

JANUARY 25, 2022

RULES COMMITTEE PRINT 117–31
TEXT OF H.R. 4521, THE AMERICA COMPETES
ACT OF 2022

[Showing the text of H.R. 4521, as ordered reported by the Committee on Science, Space, and Technology, with modifications.]

1 SECTION 1. SHORT TITLE.

2 This Act may be cited as the “America Creating Op-
3 portunities for Manufacturing, Pre-Eminence in Tech-
4 nology, and Economic Strength Act of 2022” or the
5 “America COMPETES Act of 2022”.

6 SEC. 2. TABLE OF CONTENTS.

7 The table of contents for this Act is as follows:

Sec. 1. Short title.
Sec. 2. Table of contents.

DIVISION A—CREATING HELPFUL INCENTIVES TO PRODUCE
SEMICONDUCTORS (CHIPS) FOR AMERICA FUND

Sec. 10001. Creating Helpful Incentives to Produce Semiconductors (CHIPS)
for America Fund.
Sec. 10002. Semiconductor incentives.

DIVISION B—RESEARCH AND INNOVATION

TITLE I—DEPARTMENT OF ENERGY SCIENCE FOR THE FUTURE

Sec. 10101. Mission of the Office of Science.
Sec. 10102. Basic energy sciences program.
Sec. 10103. Biological and environmental research.
Sec. 10104. Advanced scientific computing research program.
Sec. 10105. Fusion energy research.
Sec. 10106. High energy physics program.
Sec. 10107. Nuclear physics program.
Sec. 10108. Accelerator research and development.
Sec. 10109. Isotope development and production for research applications.

- Sec. 10110. Science laboratories infrastructure program.
- Sec. 10111. Increased collaboration with teachers and scientists.
- Sec. 10112. High intensity laser research initiative; Office of Science Emerging Infectious Disease Computing Research Initiative; helium conservation program; authorization of appropriations.
- Sec. 10113. State-owned enterprises prohibition.
- Sec. 10114. Determination of Budgetary Effects.

TITLE II—NATIONAL INSTITUTE OF STANDARDS AND
TECHNOLOGY FOR THE FUTURE ACT OF 2021

- Sec. 10201. Definitions.

Subtitle A—Appropriations

- Sec. 10211. Authorization of appropriations.

Subtitle B—Measurement Research

- Sec. 10221. Engineering biology and biometrology.
- Sec. 10222. Greenhouse gas measurement research.
- Sec. 10223. NIST authority for cybersecurity and privacy activities.
- Sec. 10224. Software security and authentication.
- Sec. 10225. Digital identity management research.
- Sec. 10226. Biometrics research and testing.
- Sec. 10227. Federal biometric performance standards.
- Sec. 10228. Protecting research from cyber theft.
- Sec. 10229. Dissemination of resources for research institutions.
- Sec. 10230. Advanced communications research.
- Sec. 10231. Neutron scattering.
- Sec. 10232. Quantum information science.
- Sec. 10233. Artificial intelligence.
- Sec. 10234. Sustainable Chemistry Research and Education.
- Sec. 10235. Premise plumbing research.

Subtitle C—General Activities

- Sec. 10241. Educational outreach and support for underrepresented communities.
- Sec. 10242. Other transactions authority.
- Sec. 10243. Report to congress on collaborations with government agencies.
- Sec. 10244. Hiring critical technical experts.
- Sec. 10245. International standards development.
- Sec. 10246. Standard technical update.
- Sec. 10247. GAO study of NIST research security policies and protocols.
- Sec. 10248. Standards development organization grants.

Subtitle D—Hollings Manufacturing Extension Partnership

- Sec. 10251. Establishment of expansion awards pilot program as a part of the Hollings Manufacturing Extension Partnership.
- Sec. 10252. Update to manufacturing extension partnership.
- Sec. 10253. National supply chain database.
- Sec. 10254. Hollings Manufacturing Extension Partnership activities.

TITLE III—NATIONAL SCIENCE FOUNDATION FOR THE FUTURE

- Sec. 10301. Findings.

- Sec. 10302. Definitions.
- Sec. 10303. Authorization of appropriations.
- Sec. 10304. STEM education.
- Sec. 10305. Broadening participation.
- Sec. 10306. Fundamental research.
- Sec. 10307. Research infrastructure.
- Sec. 10308. Directorate for science and engineering solutions.
- Sec. 10309. Administrative amendments.

TITLE IV—BIOECONOMY RESEARCH AND DEVELOPMENT

- Sec. 10401. Findings.
- Sec. 10402. Definitions.
- Sec. 10403. National Engineering Biology Research and Development Initiative.
- Sec. 10404. Initiative coordination.
- Sec. 10405. Advisory committee.
- Sec. 10406. External review of ethical, legal, environmental, safety, security, and societal issues.
- Sec. 10407. Agency activities.
- Sec. 10408. Rule of construction.

TITLE V—BROADENING PARTICIPATION IN SCIENCE

Subtitle A—STEM Opportunities

- Sec. 10501. Findings.
- Sec. 10502. Purposes.
- Sec. 10503. Federal science agency policies for caregivers.
- Sec. 10504. Collection and reporting of data on Federal research grants.
- Sec. 10505. Policies for review of Federal research grants.
- Sec. 10506. Collection of data on demographics of faculty.
- Sec. 10507. Cultural and institutional barriers to expanding the academic and Federal STEM workforce.
- Sec. 10508. Research and dissemination at the National Science Foundation.
- Sec. 10509. Research and related activities to expand STEM opportunities.
- Sec. 10510. Tribal Colleges and Universities Program.
- Sec. 10511. Report to Congress.
- Sec. 10512. Merit review.
- Sec. 10513. Determination of budgetary effects.
- Sec. 10514. Definitions.

Subtitle B—Rural STEM Education Research

- Sec. 10521. Findings.
- Sec. 10522. NIST engagement with rural communities.
- Sec. 10523. NITR-D broadband working group.
- Sec. 10524. National Academy of Sciences evaluation.
- Sec. 10525. GAO review.
- Sec. 10526. Capacity building through EPSCOR.
- Sec. 10527. National Science Foundation rural STEM Research activities.
- Sec. 10528. Researching opportunities for online education.
- Sec. 10529. Definitions.

Subtitle C—MSI STEM Achievement

- Sec. 10531. Findings.

- Sec. 10532. Government Accountability Office review.
- Sec. 10533. Research and capacity building.
- Sec. 10534. Agency responsibilities.
- Sec. 10535. Definitions.

Subtitle D—Combating Sexual Harassment in Science

- Sec. 10541. Findings.
- Sec. 10542. Definitions.
- Sec. 10543. Research grants.
- Sec. 10544. Data collection.
- Sec. 10545. Responsible conduct guide.
- Sec. 10546. Interagency working group.
- Sec. 10547. National academies assessment.
- Sec. 10548. Authorization of appropriations.

TITLE VI—MISCELLANEOUS SCIENCE AND TECHNOLOGY PROVISIONS

Subtitle A—Supporting Early-Career Researchers

- Sec. 10601. Findings.
- Sec. 10602. Early-career research fellowship program.
- Sec. 10603. Authorization of appropriations.

Subtitle B—National Science and Technology Strategy

- Sec. 10611. National science and technology strategy.
- Sec. 10612. Quadrennial science and technology review.

Subtitle C—Energizing Technology Transfer

- Sec. 10621. Definitions.

PART 1—NATIONAL CLEAN ENERGY TECHNOLOGY TRANSFER PROGRAMS

- Sec. 10623. National clean energy incubator program.
- Sec. 10624. Clean energy technology university prize competition.
- Sec. 10625. Clean energy technology transfer coordination.

PART 2—SUPPORTING TECHNOLOGY DEVELOPMENT AT THE NATIONAL LABORATORIES

- Sec. 10626. Lab partnering service pilot program.
- Sec. 10627. Lab-embedded entrepreneurship program.
- Sec. 10628. Small business voucher program.
- Sec. 10629. Entrepreneurial leave program.
- Sec. 10630. National laboratory employee outside employment authority.
- Sec. 10631. Signature authority.

PART 3—DEPARTMENT OF ENERGY MODERNIZATION

- Sec. 10632. Office of technology transitions.
- Sec. 10633. Management of demonstration projects.
- Sec. 10634. Streamlining prize competitions.
- Sec. 10635. Cost-share waiver extension.
- Sec. 10636. Special hiring authority for scientific, engineering, and project management personnel.
- Sec. 10637. Technology transfer reports and evaluation.

Subtitle D—Regional Innovation

- Sec. 10641. Regional Innovation Capacity.
- Sec. 10642. Regional Clean Energy Innovation Program.
- Sec. 10643. Critical technology and innovation analytics program.

Subtitle E—Malign Foreign Talent Recruitment Program Prohibition

- Sec. 10651. Malign foreign talent recruitment program prohibition.

Subtitle F—Microelectronics Research for Energy Innovation

- Sec. 10661. Definitions.
- Sec. 10662. Findings.
- Sec. 10663. Microelectronics research program.
- Sec. 10664. Microelectronics science research centers.
- Sec. 10665. Miscellaneous other requirements.

DIVISION C—ENERGY AND COMMERCE

TITLE I—COMMUNICATIONS AND TECHNOLOGY

- Sec. 20101. Appropriations for wireless supply chain innovation.
- Sec. 20102. Understanding cybersecurity of mobile networks.
- Sec. 20103. Information and communication technology strategy.
- Sec. 20104. Open RAN outreach.
- Sec. 20105. Future networks.
- Sec. 20106. NTIA policy and cybersecurity coordination.
- Sec. 20107. American cybersecurity literacy.
- Sec. 20108. Communications security advisory council.
- Sec. 20109. Promoting United States wireless leadership.

TITLE II—CONSUMER PROTECTION AND COMMERCE

Subtitle A—Supply Chain Resilience

- Sec. 20201. Supply chain resilience and crisis response office.
- Sec. 20202. United states strategy to counter threats to supply chains.
- Sec. 20203. Critical supply chain monitoring program.
- Sec. 20204. Critical supply chain resilience program.
- Sec. 20205. Supply chain innovation and best practices.
- Sec. 20206. Program evaluation by the inspector general of the department of commerce.
- Sec. 20207. Supply chain database and toolkit.
- Sec. 20208. Definitions.

Subtitle B—Strengthening Consumer Protections, Tourism, and Manufacturing

- Sec. 20211. National manufacturing advisory council.
- Sec. 20212. Availability of Travel Promotion Fund for Brand USA.
- Sec. 20213. Collection, verification, and disclosure of information by online marketplaces to inform consumers.

TITLE III—ENERGY

- Sec. 20301. Strategic transformer reserve and resilience program.
- Sec. 20302. Solar component manufacturing supply chain assistance.

TITLE IV—MEDICAL PRODUCT SUPPLY CHAIN IMPROVEMENTS

Subtitle A—Medical Product Innovation, Transparency, and Safety

- Sec. 20401. National Centers of Excellence in Advanced and Continuous Pharmaceutical Manufacturing.
- Sec. 20402. Notification, nondistribution, and recall of drugs.
- Sec. 20403. Reporting requirement for drug manufacturers.
- Sec. 20404. Enhanced penalties for false information and records destruction.

Subtitle B—Strengthening America’s Strategic National Stockpile

- Sec. 20411. Reimbursable transfers.
- Sec. 20412. Equipment maintenance.
- Sec. 20413. Supply chain flexibility manufacturing pilot.
- Sec. 20414. GAO study on the feasibility and benefits of a user fee agreement.
- Sec. 20415. Grants for State strategic stockpiles.
- Sec. 20416. Action reporting.
- Sec. 20417. Improved, transparent processes.
- Sec. 20418. Authorization of appropriations.

DIVISION D—COMMITTEE ON FOREIGN AFFAIRS

- Sec. 30000. Short title.
- Sec. 30001. Definitions.
- Sec. 30002. Findings.
- Sec. 30003. Statement of policy.
- Sec. 30004. Sense of Congress.
- Sec. 30005. Rules of construction.

TITLE I—INVESTING IN AMERICAN COMPETITIVENESS

Subtitle A—Science and Technology

- Sec. 30101. Authorization to assist United States companies with global supply chain diversification and management.
- Sec. 30102. Report on national technology and industrial base.

Subtitle B—Global Infrastructure and Energy Development

- Sec. 30111. Appropriate committees of Congress defined.
- Sec. 30112. Sense of Congress on international quality infrastructure investment standards.
- Sec. 30113. Supporting economic independence from the People’s Republic of China.
- Sec. 30114. Strategy for advanced and reliable energy infrastructure.
- Sec. 30115. Report on the People’s Republic of China’s investments in foreign energy development.

Subtitle C—Economic Diplomacy and Leadership

- Sec. 30121. Findings on regional economic order.
- Sec. 30122. Report on entrenching American economic diplomacy in the Indo-Pacific.
- Sec. 30123. Sense of Congress on the need to bolster American leadership in the Asia Pacific Economic Cooperation.
- Sec. 30124. Strategy on deterrence of economic coercion.
- Sec. 30125. Sense of Congress on digital technology issues.

- Sec. 30126. Digital dialogue and cooperation.
- Sec. 30127. Digital connectivity and cybersecurity partnership.
- Sec. 30128. Sense of Congress on ideological competition.

Subtitle D—Financial Diplomacy and Leadership

- Sec. 30131. Findings on Chinese financial industrial policy.
- Sec. 30132. Report on importance of American financial strength for global leadership.
- Sec. 30133. Review of Chinese companies on United States capital markets.
- Sec. 30134. Report on the implications of changes to cross-border payment and financial messaging systems.

TITLE II—INVESTING IN ALLIANCES AND PARTNERSHIPS

Subtitle A—Strategic and Diplomatic Matters

- Sec. 30201. Appropriate committees of Congress defined.
- Sec. 30202. United States commitment and support for allies and partners in the Indo-Pacific.
- Sec. 30203. Boosting Quad cooperation.
- Sec. 30204. Establishment of Quad Intra-Parliamentary Working Group.
- Sec. 30205. Statement of policy on cooperation with ASEAN.
- Sec. 30206. Young Southeast Asian Leaders Initiative.
- Sec. 30207. Sense of Congress on engagement with G7 and G20 countries.
- Sec. 30208. Enhancing the United States-Taiwan partnership.
- Sec. 30209. Taiwan diplomatic review.
- Sec. 30210. Taiwan Peace and Stability Act.
- Sec. 30211. Taiwan International Solidarity Act.
- Sec. 30212. Taiwan Fellowship Program.
- Sec. 30213. Increasing Department of State personnel and resources devoted to the Indo-Pacific.
- Sec. 30214. Report on bilateral efforts to address Chinese fentanyl trafficking.
- Sec. 30215. Facilitation of increased equity investments under the Better Utilization of Investments Leading to Development Act of 2018.
- Sec. 30216. Expanding investment by United States International Development Finance Corporation for vaccine manufacturing.
- Sec. 30217. Ensuring United States diplomatic posts align with American strategic national security and economic objectives.
- Sec. 30218. Authorization of appropriations for the Fulbright-Hays Program.
- Sec. 30219. Supporting independent media and countering disinformation.
- Sec. 30219A. Global Engagement Center.
- Sec. 30219B. Report on origins of the COVID–19 pandemic.
- Sec. 30219C. Extension of Asia Reassurance Initiative Act of 2018.
- Sec. 30219D. China Watcher Program.
- Sec. 30219E. Liu Xiaobo Fund for Study of the Chinese Language.
- Sec. 30219F. Oversight of funds made available through the American Rescue Plan Act of 2021.
- Sec. 30219G. Requirements relating to vaccine branding.

Subtitle B—International Security Matters

- Sec. 30221. Appropriate committees of Congress.
- Sec. 30222. Additional funding for international military education and training in the Indo-Pacific.

- Sec. 30223. Statement of policy on maritime freedom of operations in international waterways and airspace of the Indo-Pacific and on artificial land features in the South China Sea.
- Sec. 30224. Report on capability development of Indo-Pacific allies and partners.
- Sec. 30225. Statement of policy regarding the threat posed by the Chinese Communist Party to the North Atlantic Treaty Organization.
- Sec. 30226. Identification of PLA-supported institutions.

Subtitle C—Multilateral Strategies to Bolster American Power

- Sec. 30231. Findings on multilateral engagement.
- Sec. 30232. Statement of policy on America's multilateral engagement.
- Sec. 30233. Support for Americans at the United Nations.
- Sec. 30234. Junior professional officers.
- Sec. 30235. Report on American employment in international organizations.

Subtitle D—Regional Strategies to Bolster American Power

- Sec. 30241. Statement of policy on cooperation with allies and partners around the world.

PART 1—WESTERN HEMISPHERE

- Sec. 30242. Sense of Congress regarding United States-Canada relations.
- Sec. 30243. Sense of Congress regarding China's arbitrary imprisonment of Canadian citizens.
- Sec. 30244. Strategy to enhance cooperation with Canada.
- Sec. 30245. Strategy to strengthen economic competitiveness, governance, human rights, and the rule of law in Latin America and the Caribbean.
- Sec. 30246. Engagement in international organizations and the defense sector in Latin America and the Caribbean.
- Sec. 30247. Defense cooperation in Latin America and the Caribbean.
- Sec. 30248. Engagement with civil society in Latin America and the Caribbean regarding accountability, human rights, and the risks of pervasive surveillance technologies.
- Sec. 30249. Caribbean energy initiative as alternative to China's Belt and Road Initiative.
- Sec. 30250. United States-Caribbean Resilience Partnership.
- Sec. 30251. Countering China's educational and cultural diplomacy in Latin America.
- Sec. 30252. Narcotics trafficking in Latin America and the Caribbean.

PART 2—TRANSATLANTIC RELATIONSHIPS

- Sec. 30255. Sense of Congress on transatlantic relationships.
- Sec. 30256. Strategy to enhance transatlantic cooperation with respect to the People's Republic of China.
- Sec. 30257. Enhancing transatlantic cooperation on promoting private sector finance.
- Sec. 30258. Report and briefing on cooperation between China and Iran and between China and Russia.

PART 3—SOUTH AND CENTRAL ASIA

- Sec. 30261. Sense of Congress on South and Central Asia.

- Sec. 30262. Strategy to enhance cooperation with South and Central Asia.
- Sec. 30263. Indian Ocean region strategic review.

PART 4—AFRICA

- Sec. 30271. Assessment of political, economic, and security activity of the People's Republic of China in Africa.
- Sec. 30272. Increasing the competitiveness of the United States in Africa.
- Sec. 30273. Digital security cooperation with respect to Africa.
- Sec. 30274. Support for Young African Leaders Initiative.
- Sec. 30275. Africa broadcasting networks.
- Sec. 30276. Africa energy security and diversification.

PART 5—MIDDLE EAST AND NORTH AFRICA

- Sec. 30281. Strategy to counter Chinese influence in, and access to, the Middle East and North Africa.
- Sec. 30282. Sense of Congress on Middle East and North Africa engagement.
- Sec. 30283. Sense of Congress on People's Republic of China-Iran relationship.

PART 6—ARCTIC REGION

- Sec. 30285. Arctic diplomacy.
- Sec. 30286. Statement of policy regarding observer status for Taiwan on the Arctic Council.

PART 7—OCEANIA

- Sec. 30291. Statement of policy on United States engagement in Oceania.
- Sec. 30292. Oceania strategic roadmap.
- Sec. 30293. Oceania Security Dialogue.
- Sec. 30294. Oceania Peace Corps partnerships.

PART 8—PACIFIC ISLANDS

- Sec. 30295. Short title.
- Sec. 30296. Findings.
- Sec. 30297. Statement of policy.
- Sec. 30298. Definition.
- Sec. 30299. Authority to consolidate reports; form of reports.
- Sec. 30299A. Diplomatic presence in the Pacific Islands.
- Sec. 30299B. Coordination with regional allies and partners.
- Sec. 30299C. Climate resilient development in the Pacific Islands.
- Sec. 30299D. International law enforcement academy for the Pacific Islands.
- Sec. 30299E. Security assistance for the Pacific Islands.
- Sec. 30299F. Countering transnational crime.
- Sec. 30299G. Emergency preparedness initiative for the Pacific Islands.
- Sec. 30299H. Peace Corps in the Pacific Islands.

TITLE III—INVESTING IN OUR VALUES

- Sec. 30301. Sense of Congress on the continued violation of rights and freedoms of the people of Hong Kong.
- Sec. 30302. Authorization of appropriations for promotion of democracy in Hong Kong.
- Sec. 30303. Hong Kong people's freedom and choice.
- Sec. 30304. Export prohibition of munitions items to the Hong Kong police force.

- Sec. 30305. Sense of Congress on treatment of Uyghurs and other ethnic minorities in the Xinjiang Uyghur Autonomous Region.
- Sec. 30306. Uyghur human rights protection.
- Sec. 30307. Removal of members of the United Nations Human Rights Council that commit human rights abuses.
- Sec. 30308. Policy with respect to Tibet.
- Sec. 30309. United States policy and international engagement on the succession or reincarnation of the Dalai Lama and religious freedom of Tibetan Buddhists.
- Sec. 30310. Development and deployment of internet freedom and Great Firewall circumvention tools for the people of Hong Kong.
- Sec. 30311. Authorization of appropriations for protecting human rights in the People's Republic of China.
- Sec. 30312. Modifications to and reauthorization of sanctions with respect to human rights violations.
- Sec. 30313. Sense of Congress condemning anti-Asian racism and discrimination.
- Sec. 30314. Annual reporting on censorship of free speech with respect to international abuses of human rights.
- Sec. 30315. Policy toward the XXIV Olympic Winter Games and the XIII Paralympic Winter Games.
- Sec. 30316. Review and controls on export of items with critical capabilities to enable human rights abuses.
- Sec. 30317. Sense of Congress on commercial export control policy.
- Sec. 30318. Imposition of sanctions with respect to systematic rape, coercive abortion, forced sterilization, or involuntary contraceptive implantation in the Xinjiang Uyghur Autonomous Region.
- Sec. 30319. Sense of Congress regarding censorship of political speech.
- Sec. 30320. Report on manner and extent to which the Government of China exploits Hong Kong to circumvent United States laws and protections.
- Sec. 30321. Sense of Congress regarding annual Country Reports on Human Rights Practices.
- Sec. 30322. Sense of Congress regarding press freedom in the People's Republic of China.
- Sec. 30323. United States Special Envoy for Xinjiang Province.
- Sec. 30324. China Censorship Monitor and Action Group.
- Sec. 30325. Public disclosure on BIS licensing information.

TITLE IV—INVESTING IN OUR ECONOMIC STATECRAFT

- Sec. 30401. Sense of Congress regarding the People's Republic of China's industrial policy.
- Sec. 30402. Economic defense response teams.
- Sec. 30403. Countering overseas kleptocracy.
- Sec. 30404. Annual report on Chinese surveillance companies.

TITLE V—ENSURING STRATEGIC SECURITY

- Sec. 30501. Cooperation on a strategic nuclear dialogue.
- Sec. 30502. Report on United States efforts to engage the People's Republic of China on nuclear issues and ballistic missile issues.
- Sec. 30503. Countering the People's Republic of China's proliferation of ballistic missiles and nuclear technology to the Middle East.

TITLE VI—INVESTING IN A SUSTAINABLE FUTURE

- Sec. 30601. Ensuring national security and economic priorities with the People's Republic of China and other countries account for environmental issues and climate change.
- Sec. 30602. Enhancing security considerations for global climate disruptions.
- Sec. 30603. Balancing accountability and cooperation with China.
- Sec. 30604. Promoting responsible development alternatives to the People's Republic of China's Belt and Road Initiative.
- Sec. 30605. Using climate diplomacy to better serve national security and economic interests.
- Sec. 30606. Driving a global climate change resilience strategy.
- Sec. 30607. Addressing international climate change mitigation, adaptation, and security.
- Sec. 30608. Reducing the negative impacts from black carbon, methane, and high-GWP hydrofluorocarbons.
- Sec. 30609. Building United States economic growth and technological innovation through the Green Climate Fund.
- Sec. 30610. Ensuring a whole-of-government response to climate action.
- Sec. 30611. Working with international partners to reduce deforestation.
- Sec. 30612. Controlling the export of electronic waste to protect United States supply chains.

DIVISION E—COMMITTEE ON OVERSIGHT AND REFORM

- Sec. 40101. Federal Rotational Cyber Workforce Program.
- Sec. 40102. AI in counterterrorism oversight enhancement.

DIVISION F—COMMITTEE ON HOMELAND SECURITY

- Sec. 50101. Homeland procurement reform.
- Sec. 50102. DHS software supply chain risk management.
- Sec. 50103. Department of Homeland Security Mentor-Protégé Program.
- Sec. 50104. Unmanned aerial security.

DIVISION G—COMMITTEE ON FINANCIAL SERVICES

TITLE I—U.S. POLICY ON WORLD BANK GROUP AND ASIAN DEVELOPMENT BANK LOANS TO CHINA

- Sec. 60101. U.S. policy on World Bank Group and Asian Development Bank Loans to China.

TITLE II—PROHIBITIONS OR CONDITIONS ON CERTAIN TRANSMITTALS OF FUNDS

- Sec. 60201. Findings.
- Sec. 60202. Prohibitions or conditions on certain transmittals of funds.

TITLE III—U.S. STOCK EXCHANGE TRADING PROHIBITION FOR 2 CONSECUTIVE AUDITOR NON-INSPECTION YEARS

- Sec. 60301. Trading prohibition for 2 consecutive non-inspection years.

TITLE IV—COMBATING WILDLIFE TRAFFICKING FINANCING AND PROCEEDS STUDY ACT

- Sec. 60401. Findings.
- Sec. 60402. Study.

TITLE V—STUDY ON CHINESE SUPPORT FOR AFGHAN ILLICIT FINANCE

Sec. 60501. Study on Chinese support for Afghan illicit finance.

TITLE VI—U.S. POLICY ON MULTILATERAL DEVELOPMENT BANK CO-FINANCING ARRANGEMENTS WITH CHINA'S INFRASTRUCTURE BANK

Sec. 60601. U.S. policy on co-financing arrangements at the multilateral development banks.

TITLE VII—CHINA FINANCIAL THREAT MITIGATION

Sec. 60701. China financial threat mitigation.

TITLE VIII—SUPPORT FOR DEBT RELIEF FOR DEVELOPING COUNTRIES

Sec. 60801. Support for international initiatives to provide debt relief to developing countries with unsustainable levels of debt.

TITLE IX—SECURING AMERICA'S VACCINES FOR EMERGENCIES

Sec. 60901. Short title.

Sec. 60902. Securing essential medical materials.

Sec. 60903. Investment in supply chain security.

TITLE X—COVID-19 EMERGENCY MEDICAL SUPPLIES ENHANCEMENT

Sec. 61001. Short title.

Sec. 61002. Determination on emergency supplies and other public health emergencies.

Sec. 61003. Exercise of title I authorities in relation to contracts by State, local, or Tribal governments.

Sec. 61004. Engagement with the private sector.

Sec. 61005. Enhancement of supply chain production.

Sec. 61006. Enhanced reporting during COVID-19 emergency.

Sec. 61007. Report on activities involving small business.

Sec. 61008. Definitions.

DIVISION H—COMMITTEE ON NATURAL RESOURCES

TITLE I—ILLEGAL FISHING AND FORCED LABOR PREVENTION

Sec. 70101. Definitions.

Sec. 70102. Authorization of appropriations.

Subtitle A—Combating Human Trafficking Through Seafood Import Monitoring

Sec. 70111. Definitions.

Sec. 70112. Expansion of Seafood Import Monitoring Program to all species.

Sec. 70113. Enhancement of Seafood Import Monitoring Program Automated Commercial Environment Message Set.

Sec. 70114. Additional data requirements for Seafood Import Monitoring Program data collection.

Sec. 70115. Import audits.

- Sec. 70116. Availability of fisheries information.
- Sec. 70117. Authority to hold fish products.
- Sec. 70118. Report on seafood import monitoring.
- Sec. 70119. Authorization of appropriations.

Subtitle B—Strengthening International Fisheries Management to Combat
Human Trafficking

- Sec. 70121. Denial of port privileges.
- Sec. 70122. Identification and certification criteria.
- Sec. 70123. Illegal, unreported, or unregulated fishing defined.
- Sec. 70124. Equivalent conservation measures.
- Sec. 70125. Regulations.

Subtitle C—Maritime Awareness

- Sec. 70131. Automatic identification system requirements.

TITLE II—DRIFTNET MODERNIZATION AND BYCATCH
REDUCTION

- Sec. 70201. Definition.
- Sec. 70202. Findings and policy.
- Sec. 70203. Transition program.
- Sec. 70204. Exception.
- Sec. 70205. Fees.

TITLE III—MARINE MAMMAL RESEARCH AND RESPONSE

- Sec. 70301. Data collection and dissemination.
- Sec. 70302. Stranding or entanglement response agreements.
- Sec. 70303. Unusual mortality event activity funding.
- Sec. 70304. Liability.
- Sec. 70305. National Marine Mammal Tissue Bank and tissue analysis.
- Sec. 70306. Marine Mammal Rescue and Response Grant Program and Rapid
Response Fund.
- Sec. 70307. Health MAP.
- Sec. 70308. Reports to Congress.
- Sec. 70309. Authorization of appropriations.
- Sec. 70310. Definitions.
- Sec. 70311. Study on marine mammal mortality.

TITLE IV—REAUTHORIZATION OF CORAL REEF CONSERVATION
ACT OF 2000

- Sec. 70401. Reauthorization of Coral Reef Conservation Act of 2000.
- Sec. 70402. Modification to section 204 of the Coral Reef Conservation Act of
2000.

TITLE V—UNITED STATES CORAL REEF TASK FORCE

- Sec. 70501. Establishment.
- Sec. 70502. Duties.
- Sec. 70503. Membership.
- Sec. 70504. Responsibilities of Federal agency members.
- Sec. 70505. Working groups.
- Sec. 70506. Definitions.

TITLE VI—DEPARTMENT OF THE INTERIOR CORAL REEF
AUTHORITIES

Sec. 70601. Coral reef conservation and restoration assistance.

TITLE VII—SUSAN L. WILLIAMS NATIONAL CORAL REEF
MANAGEMENT FELLOWSHIP

- Sec. 70701. Definitions.
- Sec. 70702. Establishment of fellowship program.
- Sec. 70703. Fellowship awards.
- Sec. 70704. Authorization of appropriations.

TITLE VIII—BUY AMERICAN SEAFOOD

- Sec. 70801. Sense of Congress.
- Sec. 70802. Caught in the USA.

TITLE IX—INSULAR AFFAIRS

Sec. 70901. Ocean and Coastal Mapping Integration Act.

TITLE X—STUDIES AND REPORTS

- Sec. 71001. Deep sea mining.
- Sec. 71002. National Academies assessment of oceanic blue carbon.

TITLE XI—MISCELLANEOUS

- Sec. 71101. Law enforcement attache deployment.
- Sec. 71102. Lacey Act amendments.
- Sec. 71103. Shark fin sales elimination.

DIVISION I—COMMITTEE ON THE JUDICIARY

TITLE I—SUBCOMMITTEE ON COURTS, INTELLECTUAL
PROPERTY, AND THE INTERNET

- Sec. 80101. Basic Research.
- Sec. 80102. Collection of demographic information for patent inventors.
- Sec. 80103. Stopping harmful offers on platforms by screening against fakes in e-commerce.

TITLE II—SUBCOMMITTEE ON ANTITRUST, COMMERCIAL AND
ADMINISTRATIVE LAW

- Sec. 80201. Premerger notification filing fees.
- Sec. 80202. Authorization of appropriations.

TITLE III—IMMIGRATION PROVISIONS

- Sec. 80301. W visas.
- Sec. 80302. Start-up entities; nonimmigrant entrepreneurs and employees.
- Sec. 80303. Doctoral stem graduates.
- Sec. 80304. Conforming amendments.
- Sec. 80305. Rulemaking.

DIVISION J—COMMITTEE ON EDUCATION AND LABOR

TITLE I—NATIONAL APPRENTICESHIP ACT OF 2022

- Sec. 90101. Short title.
- Sec. 90102. Effective date.
- Sec. 90103. Amendment.
- Sec. 90104. Conforming amendments.

TITLE II—ELEMENTARY AND SECONDARY EDUCATION

- Sec. 90201. Postsecondary stem pathways grants.
- Sec. 90202. Improving access to elementary and secondary computer science education.

TITLE III—HIGHER EDUCATION

- Sec. 90301. Reauthorization of international education programs under title VI of the Higher Education Act of 1965.
- Sec. 90302. Confucius Institutes.
- Sec. 90303. Sustaining the Truman Foundation and the Madison Foundation.
- Sec. 90304. Disclosures of foreign gifts and contracts at institutions of higher education.

TITLE IV—IMPACT ACT

- Sec. 90401. Telecommunications workforce training grant program.

DIVISION K—MATTERS RELATING TO TRADE

- Sec. 100001. Short title.

TITLE I—TRADE ADJUSTMENT ASSISTANCE

- Sec. 101001. Short title.
- Sec. 101002. Application of provisions relating to trade adjustment assistance.

Subtitle A—Trade Adjustment Assistance for Workers

- Sec. 101101. Filing petitions.
- Sec. 101102. Group eligibility requirements.
- Sec. 101103. Application of determinations of eligibility to workers employed by successors-in-interest.
- Sec. 101104. Provision of benefit information to workers.
- Sec. 101105. Qualifying requirements for workers.
- Sec. 101106. Modification to trade readjustment allowances.
- Sec. 101107. Automatic extension of trade readjustment allowances.
- Sec. 101108. Employment and case management services.
- Sec. 101109. Training.
- Sec. 101110. Job search, relocation, and child care allowances.
- Sec. 101111. Agreements with States.
- Sec. 101112. Reemployment trade adjustment assistance program.
- Sec. 101113. Extension of trade adjustment assistance to public agency workers.
- Sec. 101114. Definitions.
- Sec. 101115. Subpoena power.

Subtitle B—Trade Adjustment Assistance for Firms

- Sec. 101201. Petitions and determinations.
- Sec. 101202. Approval of adjustment proposals.
- Sec. 101203. Technical assistance.

- Sec. 101204. Definitions.
- Sec. 101205. Plan for sustained outreach to potentially-eligible firms.

Subtitle C—Trade Adjustment Assistance for Communities and Community Colleges

- Sec. 101301. Trade adjustment assistance for communities.
- Sec. 101302. Trade adjustment assistance for community colleges and career training.

Subtitle D—Trade Adjustment Assistance for Farmers

- Sec. 101401. Definitions.
- Sec. 101402. Group eligibility requirements.
- Sec. 101403. Benefit information to agricultural commodity producers.
- Sec. 101404. Qualifying requirements and benefits for agricultural commodity producers.

Subtitle E—Authorizations of Appropriations and Other Matters

- Sec. 101501. Extension of trade adjustment assistance program.
- Sec. 101502. Applicability of trade adjustment assistance provisions.

Subtitle F.—Health Care Tax Credit

- Sec. 101601. Permanent credit for health insurance costs.

TITLE II—IMPROVEMENTS TO TRADE REMEDIES LAWS

Subtitle A—Successive Investigations

- Sec. 102001. Establishment of special rules for determination of material injury in the case of successive antidumping and countervailing duty investigations.
- Sec. 102002. Initiation of successive antidumping and countervailing duty investigations.
- Sec. 102003. Issuance of determinations with respect to successive antidumping and countervailing duty investigations.

Subtitle B—Responding to Market Distortions

- Sec. 102101. Addressing cross-border subsidies in countervailing duty investigations.
- Sec. 102102. Modification of definition of ordinary course of trade to specify that an insufficient quantity of foreign like products constitutes a situation outside the ordinary course of trade.
- Sec. 102103. Modification of adjustments to export price and constructed export price with respect to duty drawback.
- Sec. 102104. Modification of determination of constructed value to include distortions of costs that occur in foreign countries.
- Sec. 102105. Special rules for calculation of cost of production and constructed value to address distorted costs.

Subtitle C—Preventing Circumvention

- Sec. 102201. Modification of requirements in circumvention inquiries.
- Sec. 102202. Requirement of provision by importer of certification by importer or other party.

- Sec. 102203. Clarification of authority for Department of Commerce regarding determinations of class or kind of merchandise.
- Sec. 102204. Asset requirements applicable to nonresident importers.

Subtitle D—Countering Currency Undervaluation

- Sec. 102301. Investigation or review of currency undervaluation under countervailing duty law.
- Sec. 102302. Determination of benefit with respect to currency undervaluation.

Subtitle E—Preventing Duty Evasion

- Sec. 102401. Limitation on protest against decisions of U.S. Customs and Border Protection of claims of evasion of antidumping and countervailing duty orders.
- Sec. 102402. Procedures for investigating claims of evasion of safeguard actions.
- Sec. 102403. Application of provisions relating to certain proprietary information.

Subtitle F—General Provisions

- Sec. 102501. Application to Canada and Mexico.
- Sec. 102502. Repeal of the Softwood Lumber Act of 2008.
- Sec. 102503. Repeal of enforcement actions relating to cheese subject to an in-quota rate of duty.
- Sec. 102504. Effective date.

TITLE III—IMPORT SECURITY AND FAIRNESS ACT

- Sec. 103001. Short title.
- Sec. 103002. Additional exceptions to exemptions for de minimis treatment under the Tariff Act of 1930.
- Sec. 103003. Additional administrative provisions relating to de minimis treatment under the Tariff Act of 1930.
- Sec. 103004. Effective date.

TITLE IV—NATIONAL CRITICAL CAPABILITIES REVIEWS

- Sec. 104001. National critical capabilities reviews.

TITLE V—MODIFICATION AND EXTENSION OF GENERALIZED SYSTEM OF PREFERENCES

- Sec. 105001. Modification and extension of Generalized System of Preferences.
- Sec. 105002. United States International Trade Commission study.

TITLE VI—REAUTHORIZATION OF THE AMERICAN MANUFACTURING COMPETITIVENESS ACT OF 2016 AND OTHER MATTERS

- Sec. 106001. Reauthorization of american manufacturing competitiveness act of 2016.
- Sec. 106002. Limitation on duty suspensions or reductions for finished goods.
- Sec. 106003. Sense of Congress on United States commitment to the World Trade Organization.
- Sec. 106004. Authority of U.S. Customs and Border Protection to consolidate, modify, or reorganize Customs revenue functions.

TITLE VII—TEMPORARY DUTY SUSPENSIONS AND REDUCTIONS

Sec. 107001. Reference.

Subtitle A—New Duty Suspensions and Reductions

- Sec. 107101. Shelled pine nuts.
Sec. 107102. Licorice extract.
Sec. 107103. Refined Carrageenan.
Sec. 107104. Irish dairy chocolate crumb.
Sec. 107105. Pepperoncini, preserved in vinegar.
Sec. 107106. Coconut water in PET bottles.
Sec. 107107. 9,11-Octadecadienoic acid.
Sec. 107108. Liquid galacto-oligosaccharides.
Sec. 107109. Beverage containing coconut water.
Sec. 107110. Animal feed additive containing guanidinoacetic acid.
Sec. 107111. Tungsten concentrate.
Sec. 107112. Piperylene.
Sec. 107113. Normal paraffin M (alkanes C10–C14).
Sec. 107114. Neodymium (Nd) metal.
Sec. 107115. Praseodymium (Pr) metal.
Sec. 107116. Heavy rare earth metals, dysprosium (Dy) metal and terbium (Tb) metal.
Sec. 107117. Scandium crystal.
Sec. 107118. Hexafluorotitanic acid.
Sec. 107119. Silica gel cat litter with tray.
Sec. 107120. Dioxosilane spherical particles (mean particle size 0.046–0.054 mm).
Sec. 107121. Silica gel cat litter.
Sec. 107122. Sulfuryl dichloride.
Sec. 107123. FS-10D acicular electroconductive tin oxide.
Sec. 107124. Certain potassium fluoride.
Sec. 107125. Other potassium fluoride.
Sec. 107126. LiPF₆.
Sec. 107127. LiPO₂F₂.
Sec. 107128. Ammonium fluoroborate.
Sec. 107129. Sodium tetrafluoroborate.
Sec. 107130. Ferric chloride.
Sec. 107131. Ferrous chloride.
Sec. 107132. Cupric chloride dihydrate.
Sec. 107133. Copper chloride anhydrous.
Sec. 107134. Manganese chloride anhydrous.
Sec. 107135. Manganese chloride tetrahydrate.
Sec. 107136. Reducing agent.
Sec. 107137. Manganese carbonate.
Sec. 107138. Potassium tetraborate.
Sec. 107139. Potassium pentaborate.
Sec. 107140. Ammonium thiocyanate.
Sec. 107141. Modified amine complex of boron trifluoride.
Sec. 107142. Trichlorosilane.
Sec. 107143. 1,3-Dichloropropene.
Sec. 107144. Hexafluoroisobutylene (HFIB).
Sec. 107145. 1,1,1,2,2,3,3,4,4,5,5,6,6-Tridecafluoro-8-iodooctane.
Sec. 107146. Ethyl benzyl chloride.
Sec. 107147. Perfluoroalkyl sulfonate.
Sec. 107148. D-Mannitol.
Sec. 107149. 3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctan-1-ol.

- Sec. 107150. Phenyl isopropanol.
- Sec. 107151. Hydroxytyrosol.
- Sec. 107152. 1,6-Dihydroxynaphthalene.
- Sec. 107153. Antioxidant for plastics and rubber.
- Sec. 107154. Tolhydroquinone (THQ).
- Sec. 107155. 1,1,1-Tris(4-hydroxyphenyl)ethane.
- Sec. 107156. mPEG6-mesylate.
- Sec. 107157. Monoethylene glycol dimethyl ether.
- Sec. 107158. Diethylene glycol dimethyl ether.
- Sec. 107159. Diethylene glycol dibutyl ether.
- Sec. 107160. Tetraethylene glycol dimethyl ether.
- Sec. 107161. Glycol diether.
- Sec. 107162. Diglycidyl resorcinol ether.
- Sec. 107163. Allyl glycidyl ether.
- Sec. 107164. Vinylcyclohexane monoxide.
- Sec. 107165. Technical grade of butyl glycidyl ether.
- Sec. 107166. Aliphatic glycidyl ether.
- Sec. 107167. Diglycidyl ether of 1,4-butanediol.
- Sec. 107168. Technical grade of the glycidyl ether of cyclohexane dimethanol.
- Sec. 107169. Glycidyl ester of neodecanoic acid.
- Sec. 107170. Cumaldehyde.
- Sec. 107171. Cyprinal.
- Sec. 107172. Sodium o-formylbenzenesulfonate.
- Sec. 107173. Acetylacetone.
- Sec. 107174. Acetyl propionyl.
- Sec. 107175. Alpha ionone.
- Sec. 107176. 2,3,4,5 Tetramethylcyclopent-2-enone.
- Sec. 107177. Menthone.
- Sec. 107178. L-Carvone.
- Sec. 107179. Benzoin.
- Sec. 107180. Methyl cyclopentenolone.
- Sec. 107181. 2,4-Dihydroxy-1,5-dibenzoylbenzene.
- Sec. 107182. Difluorobenzophenone (DFBP).
- Sec. 107183. PTMI.
- Sec. 107184. Metrafenone.
- Sec. 107185. Hexachloroacetone.
- Sec. 107186. Fire suppression agent.
- Sec. 107187. D(+)-10-Camphor sulfonic acid.
- Sec. 107188. Benzyl acetate.
- Sec. 107189. Propylene glycol diacetate.
- Sec. 107190. Isopropenyl acetate.
- Sec. 107191. Diacetin.
- Sec. 107192. Cocoamine.
- Sec. 107193. Caprylic acid 98%.
- Sec. 107194. Fine zinc myristate powder.
- Sec. 107195. Fine magnesium myristate powder.
- Sec. 107196. Dipentaerythrityl hexahydroxystearate/hexastearate/hexarosinate.
- Sec. 107197. Polyglyceryl-2 triisostearate.
- Sec. 107198. Neopentyl glycol diethylhexanoate.
- Sec. 107199. Isononyl isononate.
- Sec. 107200. Acetyl chloride.
- Sec. 107201. Potassium sorbate.
- Sec. 107202. Vinyl chloroformate.
- Sec. 107203. Permethrin.
- Sec. 107204. Sodium benzoate.

- Sec. 107205. Benzoic acid, flake.
Sec. 107206. Diethylene glycol dibenzoate.
Sec. 107207. Methyl benzoate.
Sec. 107208. M-Nitrobenzoic acid sodium salt.
Sec. 107209. p-Nitrobenzoic acid.
Sec. 107210. 4-tert Butylbenzoic acid.
Sec. 107211. Sodium adipate.
Sec. 107212. Dimethyl sebacate (DMS).
Sec. 107213. Dodecanedioic acid.
Sec. 107214. Polyhydroxystearic acid of low acid value.
Sec. 107215. Undecanedioic acid.
Sec. 107216. Hexadecanedioic acid.
Sec. 107217. Tetradecanedioic acid.
Sec. 107218. Pentadecanedioic acid.
Sec. 107219. Tridecanedioic acid.
Sec. 107220. Methyl 1-(methoxycarbonyl)cyclopropanecarboxylate (CPDM).
Sec. 107221. Calcium HHPA.
Sec. 107222. Diethyl phthalate.
Sec. 107223. Ammonium lactate.
Sec. 107224. Triethyl 2-hydroxypropane-1,2,3-tricarboxylate.
Sec. 107225. Diisostearyl malate.
Sec. 107226. Salicylic acid.
Sec. 107227. Hexyl salicylate.
Sec. 107228. Alpha-ketoglutaric acid.
Sec. 107229. MCPB herbicide.
Sec. 107230. 2,4-D Butoxyethylester.
Sec. 107231. 2-(2,4-Dichlorophenoxy)acetic acid.
Sec. 107232. Diglycolic acid 98%.
Sec. 107233. Tri-iso-butyl phosphate (TiBP).
Sec. 107234. Trimethylphosphite.
Sec. 107235. Organic phosphite.
Sec. 107236. Diethyl sulfate.
Sec. 107237. Diethyl carbonate.
Sec. 107238. Ethyl methyl carbonate.
Sec. 107239. Tetradecoxy-carbonyloxy tetradecyl carbonate.
Sec. 107240. Dicytyl peroxydicarbonate.
Sec. 107241. Tetraethyl silicate.
Sec. 107242. tert-Octylamine.
Sec. 107243. Octadecylamine.
Sec. 107244. N'-(3-Aminopropyl)-N'-dodecylpropane-1,3-diamine.
Sec. 107245. 1,10-Diaminodecane.
Sec. 107246. 1,5-Pentanediamine.
Sec. 107247. Dicyclohexylamine.
Sec. 107248. Amantadine hydrochloride 99%.
Sec. 107249. N,N-Dimethylaniline.
Sec. 107250. Paranitroaniline (PNA).
Sec. 107251. Dicloran.
Sec. 107252. N,N-Dimethyl-p-toluidine.
Sec. 107253. Pendimethalin technical.
Sec. 107254. Benzyldimethylamine.
Sec. 107255. Diphenyl diphenylene diamine.
Sec. 107256. Curative for epoxy resin systems.
Sec. 107257. TFMB.
Sec. 107258. S-N-Alkyl-anilin.
Sec. 107259. p-Cresidine.

- Sec. 107260. Iminodiacetic acid.
- Sec. 107261. 11 Aminoundecanoic acid.
- Sec. 107262. L-Ornithine L-aspartate.
- Sec. 107263. Iron sodium DTPA.
- Sec. 107264. Iron glycinate complex.
- Sec. 107265. Copper glycinate complex.
- Sec. 107266. Zinc glycinate complex.
- Sec. 107267. Manganese glycinate complex.
- Sec. 107268. Iron sodium EDDHA.
- Sec. 107269. DMF-DMA.
- Sec. 107270. Mixtures of DMSO and tetrabutyl ammonium fluoride.
- Sec. 107271. Betaine.
- Sec. 107272. Prolonium chloride in aqueous solution.
- Sec. 107273. N,N-Dimethylacetamide.
- Sec. 107274. N,N-Dimethylformamide.
- Sec. 107275. DAAM.
- Sec. 107276. L-Alanyl L-glutamine.
- Sec. 107277. Granular acrylamido-tert-butyl sulfonic acid (ATBS).
- Sec. 107278. Glycyl-L-glutamine hydrate.
- Sec. 107279. Noviflumuron.
- Sec. 107280. Propanil technical.
- Sec. 107281. Hexaflumuron.
- Sec. 107282. Stabilizer for plastics and rubber.
- Sec. 107283. 2-Amino-5-chloro-N,3-dimethylbenzamide.
- Sec. 107284. Glycyl-L-tyrosine dihydrate.
- Sec. 107285. L-Alanyl-L-tyrosine.
- Sec. 107286. Enzalutamide ITS-2.
- Sec. 107287. 4-Bromo-2-fluoro-N-methylbenzamide.
- Sec. 107288. N-Boc-1-aminocyclobutanecarboxylic acid.
- Sec. 107289. N'-(1,3-dimethylbutylidene)-3-hydroxy-2-naphthohydrazide (BMH) (oil treated).
- Sec. 107290. Guanidine sulfamate.
- Sec. 107291. Liquid, blocked cycloaliphatic diamine used as crosslinker for polyisocyanate resins.
- Sec. 107292. 3,4-Difluorobenzonitrile.
- Sec. 107293. 2-Amino-5-cyano-N,3-dimethylbenzamide.
- Sec. 107294. TFMPA.
- Sec. 107295. Dimethyl 2,2'-Azobisisobutyrate.
- Sec. 107296. Antioxidant/metal deactivator.
- Sec. 107297. Benzyl carbazate.
- Sec. 107298. Benzene-1,3-dicarbohydrazide.
- Sec. 107299. Input for resins, coatings, and other products.
- Sec. 107300. Aldicarb.
- Sec. 107301. Flubendiamide.
- Sec. 107302. Benzobicyclon.
- Sec. 107303. Diphenylsulfone (DPS).
- Sec. 107304. Phenolic antioxidant.
- Sec. 107305. Phenolic antioxidant and heat stabilizer.
- Sec. 107306. Phenylchlorothioformate (PTCFM).
- Sec. 107307. Methylene bis thiocyanate.
- Sec. 107308. Oxamyl.
- Sec. 107309. L-Cystine.
- Sec. 107310. L-Cysteine.
- Sec. 107311. N,N'-Bis-L-alanyl-L-cystine.
- Sec. 107312. Lubricant additive.

- Sec. 107313. Sodium benzenesulfinate.
- Sec. 107314. Thio-ether based co-stabilizer for plastics.
- Sec. 107315. L-Cysteine hydrate hydrochloride.
- Sec. 107316. Dimercaprol.
- Sec. 107317. Monoammonium salt of glyphosate.
- Sec. 107318. THPC.
- Sec. 107319. Flame retardant for textiles.
- Sec. 107320. Glyphosate.
- Sec. 107321. Ethephon.
- Sec. 107322. Benzene phosphinic acid.
- Sec. 107323. HEDP.
- Sec. 107324. Trimethylchlorosilane.
- Sec. 107325. Chloro-(chloromethyl)-dimethylsilane.
- Sec. 107326. Silicone for electronics cleaners.
- Sec. 107327. Silicon carrier fluid for active lotions, creams.
- Sec. 107328. Vinyltrimethoxysilane.
- Sec. 107329. n-Octyltriethoxysilane.
- Sec. 107330. Dimethylbis(s-butylamino)silane.
- Sec. 107331. Aqueous solution of potassium methyl silicate.
- Sec. 107332. Octyltrimethoxysilane.
- Sec. 107333. Octyltriethoxysilane.
- Sec. 107334. Methyltris(sec-butylamino)silane.
- Sec. 107335. Methyltris(methylethylketoximino)silane (MOS).
- Sec. 107336. Heptamethyltrisiloxane.
- Sec. 107337. Tetramethyldisiloxane.
- Sec. 107338. Dimethylchlorosilane.
- Sec. 107339. Dichloromethylsilane.
- Sec. 107340. Tris(TFP)-methylcyclo-trisiloxane DR.
- Sec. 107341. Tetravinyltetramethylecyclotetrasiloxane.
- Sec. 107342. Divinyltetramethylsiloxane.
- Sec. 107343. Input for plant protection agent.
- Sec. 107344. Strawberry furanone.
- Sec. 107345. Emamectin benzoate.
- Sec. 107346. Gibberellic acid.
- Sec. 107347. Rose oxide.
- Sec. 107348. Vinylene carbonate.
- Sec. 107349. Kasugamycin technical.
- Sec. 107350. 2H-Cyclododeca[b]pyran.
- Sec. 107351. Bixafen.
- Sec. 107352. Fluxapyroxad.
- Sec. 107353. 3,5 Dimethylpyrazole.
- Sec. 107354. Pyraclonil.
- Sec. 107355. Imidazolidinyl urea.
- Sec. 107356. Allantoin.
- Sec. 107357. Emulsifiable concentrate of Imazalil fungicide.
- Sec. 107358. Technical cyazofamid fungicide.
- Sec. 107359. Imazalil sulfate.
- Sec. 107360. 1,2-Dimethylimidazole.
- Sec. 107361. 2-Methylimidazole flakes.
- Sec. 107362. Diazolidinyl urea.
- Sec. 107363. 1-(2-Aminoethyl)imidazolidin-2-one (AEEU).
- Sec. 107364. Zinc pyrithione.
- Sec. 107365. Technical Pyriofenone fungicide.
- Sec. 107366. Picoxystrobin.
- Sec. 107367. Triclopyr BEE.

- Sec. 107368. Imazapyr.
- Sec. 107369. Tetraniliprole.
- Sec. 107370. Cyantraniliprole.
- Sec. 107371. Chlorantraniliprole.
- Sec. 107372. Chlorpyrifos.
- Sec. 107373. Technical Cyclaniliprole insecticide.
- Sec. 107374. Regorafenib.
- Sec. 107375. N-Butyl-TAD.
- Sec. 107376. Hindered amine light stabilizer and phenolic antioxidant.
- Sec. 107377. 4-Hydroxy-TEMPO.
- Sec. 107378. 2,2,6,6-tetramethylpiperidin-4-ol (TMP).
- Sec. 107379. 5-Bromo-2-(3-chloropyridin-2-yl)pyrazole-3-carboxylic acid.
- Sec. 107380. 2-Chloro-5-(trifluoromethyl)pyridine.
- Sec. 107381. Picarbutrox.
- Sec. 107382. 5-amino-3-(trifluoromethyl) picolinonitrile (T3630).
- Sec. 107383. Dextromethorphan hydrobromide.
- Sec. 107384. Iprfluenoquin.
- Sec. 107385. THQ.
- Sec. 107386. Pyrithiobac sodium.
- Sec. 107387. Larotrectinib sulfate.
- Sec. 107388. Ibrutinib.
- Sec. 107389. Orthosulfamuron.
- Sec. 107390. 5-Bromopyrimidine.
- Sec. 107391. Butylthion.
- Sec. 107392. P-1062.
- Sec. 107393. Carfentrazone Technical.
- Sec. 107394. UV absorber 928.
- Sec. 107395. UV absorber for industrial coatings.
- Sec. 107396. Uniconazole-P.
- Sec. 107397. VeMMAE.
- Sec. 107398. UVA 360.
- Sec. 107399. Trofinetide.
- Sec. 107400. Flurazole.
- Sec. 107401. Oxathiapiprolin.
- Sec. 107402. Certain antimicrobial.
- Sec. 107403. Rubber accelerator.
- Sec. 107404. 2-Amino benzothiazole.
- Sec. 107405. Technical Isofetamid fungicide.
- Sec. 107406. Clomazone Technical.
- Sec. 107407. NEM salt.
- Sec. 107408. AMTC wet cake.
- Sec. 107409. Photoinitiator 369.
- Sec. 107410. Isatoic anhydride.
- Sec. 107411. Oclacitinib maleate.
- Sec. 107412. Thiencarbazone-methyl.
- Sec. 107413. Penoxsulam technical herbicide.
- Sec. 107414. Ethyl 2-sulfamoylbenzoate.
- Sec. 107415. Sulfosulfuron.
- Sec. 107416. Pyrimisulfan.
- Sec. 107417. Purified steviol glycoside, rebaudioside A.
- Sec. 107418. Glucosylated steviol glycosides.
- Sec. 107419. Hydroxypropyl gamma cyclodextrin.
- Sec. 107420. Hydroxypropylated beta cyclodextrin.
- Sec. 107421. Methyl beta cyclodextrin.
- Sec. 107422. 2'-Fucosyllactose.

- Sec. 107423. Ascorbyl glucoside.
- Sec. 107424. Dimethylamine borane (DMAB).
- Sec. 107425. Elderberry extract concentrate.
- Sec. 107426. Disperse Yellow 241.
- Sec. 107427. Disperse Orange.
- Sec. 107428. Mixtures of Disperse Yellow FD11843 and acetic acid.
- Sec. 107429. Disperse Blue 54.
- Sec. 107430. Mixtures of several disperse dyes.
- Sec. 107431. Mixtures of 4 disperse blue dyes.
- Sec. 107432. Mixtures of 4 dyes.
- Sec. 107433. Disperse Red 86.
- Sec. 107434. Disperse Violet 1.
- Sec. 107435. Disperse Blue 60.
- Sec. 107436. Mixtures of Disperse Orange 29, Disperse Red 167:1, and Disperse Blue 56.
- Sec. 107437. Disperse Yellow 54.
- Sec. 107438. Acid Violet 48.
- Sec. 107439. Acid Blue 280.
- Sec. 107440. Acid Brown 282.
- Sec. 107441. Acid Red 131.
- Sec. 107442. Acid Red 249.
- Sec. 107443. Acid Yellow 236.
- Sec. 107444. Acid Red 407.
- Sec. 107445. Acid Yellow 220.
- Sec. 107446. Acid Yellow 232.
- Sec. 107447. Acid Yellow 235.
- Sec. 107448. Acid Yellow 151.
- Sec. 107449. Acid Violet 43.
- Sec. 107450. Acid Black 52.
- Sec. 107451. Acid Black 2.
- Sec. 107452. Acid Green 25.
- Sec. 107453. Basic Brown 23.
- Sec. 107454. Basic Violet 11:1 rhodamine dye.
- Sec. 107455. Basic Yellow 37.
- Sec. 107456. Basic Violet 3.
- Sec. 107457. Direct Orange 118.
- Sec. 107458. Direct Blue 86.
- Sec. 107459. Direct Blue 199.
- Sec. 107460. Direct Black 168.
- Sec. 107461. Direct Red 227.
- Sec. 107462. Direct Yellow 107.
- Sec. 107463. Direct Green 26.
- Sec. 107464. Direct Yellow 11.
- Sec. 107465. Direct Orange 15.
- Sec. 107466. Direct Brown 44.
- Sec. 107467. Direct Red 81.
- Sec. 107468. Direct Yellow 142.
- Sec. 107469. Direct Red 80.
- Sec. 107470. Direct Red 16.
- Sec. 107471. Direct Red 254.
- Sec. 107472. Colorant.
- Sec. 107473. Direct Yellow 34.
- Sec. 107474. Vat Orange 2 dye powder.
- Sec. 107475. Vat Violet 13 dye.
- Sec. 107476. Vat Brown 3 dye.

- Sec. 107477. Vat Red 10 dye powder.
- Sec. 107478. Vat Brown 57 dye.
- Sec. 107479. Vat Red 31 dye powder.
- Sec. 107480. Dye mixtures of Vat Brown 3 and Vat Black 27.
- Sec. 107481. Vat Red 13.
- Sec. 107482. Vat Yellow 2 dye powder.
- Sec. 107483. Vat Yellow 33 dye.
- Sec. 107484. Vat Green 1 dye.
- Sec. 107485. Vat Green 3.
- Sec. 107486. Vat Blue 6 dye.
- Sec. 107487. Vat Blue 20 dye.
- Sec. 107488. Vat Violet 1.
- Sec. 107489. Vat Brown 1 dye.
- Sec. 107490. Vat Black 16 dye.
- Sec. 107491. Vat Black 25.
- Sec. 107492. Vat Black 27.
- Sec. 107493. Reactive Yellow 145.
- Sec. 107494. Reactive Red 195.
- Sec. 107495. Reactive Blue 49.
- Sec. 107496. Reactive Blue 72.
- Sec. 107497. Reactive Yellow 95 powder.
- Sec. 107498. Reactive Red 245.
- Sec. 107499. Reactive Brown 11.
- Sec. 107500. Mixtures of Reactive Black 5 (Na) (FKP), Reactive Scarlet F01-0439, and Reactive Orange 131.
- Sec. 107501. Reactive Yellow F98-0159.
- Sec. 107502. Dye mixtures of Reactive Orange 131 and Reactive Scarlet F07-0522.
- Sec. 107503. Reactive Black 31.
- Sec. 107504. Reactive Red 120.
- Sec. 107505. Reactive Blue 5.
- Sec. 107506. Reactive Orange 13.
- Sec. 107507. Reactive Orange 12.
- Sec. 107508. Pigment Red 177.
- Sec. 107509. Pigment Yellow 110.
- Sec. 107510. Pigment Yellow 147.
- Sec. 107511. Pigment Orange 64.
- Sec. 107512. Pigment Blue 29.
- Sec. 107513. Pigment Violet 15.
- Sec. 107514. Pigment Blue 14.
- Sec. 107515. Solvent Blue 97.
- Sec. 107516. Solvent Green 5.
- Sec. 107517. Solvent Yellow 98.
- Sec. 107518. Solvent Green 7.
- Sec. 107519. Solvent Red 195.
- Sec. 107520. Solvent Orange 115.
- Sec. 107521. Specialty dyes.
- Sec. 107522. Solvent Green 3.
- Sec. 107523. Solvent Blue 36.
- Sec. 107524. Mixtures of Solvent Green 3.
- Sec. 107525. Solvent Red 52.
- Sec. 107526. Solvent Red 149.
- Sec. 107527. Solvent Red 207.
- Sec. 107528. Solvent Violet 14.
- Sec. 107529. Solvent Yellow 179.

- Sec. 107530. Solvent Yellow 131.
- Sec. 107531. Hogen Blue XB-20.
- Sec. 107532. Solvent Yellow 104.
- Sec. 107533. Combination of Fluorescent Brighteners 367 and 371.
- Sec. 107534. Fluorescent Brightener CBS-X.
- Sec. 107535. Optical Brightener SWN.
- Sec. 107536. C.I. Fluorescent Brightener 199:1.
- Sec. 107537. Fluorescent Brightener 368.
- Sec. 107538. 1,4-Bis(2-cyanostyryl)benzene.
- Sec. 107539. Certain manufacturing inputs.
- Sec. 107540. Cerium sulfide pigments.
- Sec. 107541. Matte pearlescent pigments.
- Sec. 107542. Angle-dependent interference pigments.
- Sec. 107543. Inorganic Lumilux.
- Sec. 107544. Ribbon/Matrix Resin.
- Sec. 107545. Bonding agent 2005.
- Sec. 107546. Fluoropolymer resin.
- Sec. 107547. Zirconium 12 paint drier.
- Sec. 107548. Zirconium 24 paint drier.
- Sec. 107549. Drier accelerators.
- Sec. 107550. Lemon oil.
- Sec. 107551. Sulfonic acids, C14–17-sec-alkane, sodium salt.
- Sec. 107552. Potassium ethyl octylphosphonate.
- Sec. 107553. Intermediate in the production of industrial lubricants.
- Sec. 107554. Polyether dispersant.
- Sec. 107555. D-Glucopyranose.
- Sec. 107556. 2-Dodecoxy-6-(hydroxymethyl)oxane-3,4,5-triol.
- Sec. 107557. Mixtures of certain C12–14-alkyl ethers.
- Sec. 107558. Manufacturing chemical.
- Sec. 107559. Nonionic surfactant.
- Sec. 107560. Chemical used in textile manufacturing.
- Sec. 107561. Ethoxylated tristyrylphenol phosphate potassium salt.
- Sec. 107562. Sodium polycarboxylate, aqueous solution.
- Sec. 107563. Aqueous emulsion of a mixture of amine soaps and miscellaneous other additives.
- Sec. 107564. Aqueous dispersion of a mixture of fatty amine and amide soaps and miscellaneous other additives.
- Sec. 107565. Aqueous dispersion of a mixture of fatty amine and amide soaps and miscellaneous other additives.
- Sec. 107566. Photographic gelatin.
- Sec. 107567. Ice fountains (class 1.4G).
- Sec. 107568. Magic candles containing magnesium powder.
- Sec. 107569. Party snappers (Class 1.4G).
- Sec. 107570. Fenpyroximate 5SC.
- Sec. 107571. Pyrifluquinazon 20SC.
- Sec. 107572. Imidacloprid and Muscalure formulations.
- Sec. 107573. Formulations of acephate and bifenthrin.
- Sec. 107574. Fipronil.
- Sec. 107575. Aluminum phosphide.
- Sec. 107576. Magnaphos formulations.
- Sec. 107577. Formulated oxamyl.
- Sec. 107578. Formulated fungicides.
- Sec. 107579. Certain fungicides.
- Sec. 107580. Prothioconazole, Fluopyram, and Trifloxystrobin fungicides.
- Sec. 107581. Prothioconazole, Metalaxyl, and Tebuconazole fungicides.

- Sec. 107582. Mancozeb and Chlorothalonil formulations.
- Sec. 107583. Mixtures of Picarbutrox and application adjuvants.
- Sec. 107584. Mixtures of Tetraconazole and application adjuvants.
- Sec. 107585. Mancozeb and Azoxystrobin formulations.
- Sec. 107586. Mixtures of Cymoxanil and fumed dioxosilane.
- Sec. 107587. Microthiol formulations.
- Sec. 107588. Formulations of thiencarbazone-methyl, Iodosulfuron-methyl-sodium, and dicamba.
- Sec. 107589. Thiencarbazone-methyl, Isoxadifenethyl, and Tembotrione herbicides.
- Sec. 107590. Herbicides used on grasses.
- Sec. 107591. Thiencarbazone-methyl, Isoxaflutole, and Cyprosulfamide herbicides.
- Sec. 107592. Thiencarbazone-methyl and Iodosulfuron-methylsodium herbicides.
- Sec. 107593. Thiencarbazone-methyl and Mefenpyr-diethyl herbicides.
- Sec. 107594. Thifensulfuron-methyl and Tribenuron-methyl formulations.
- Sec. 107595. Tribenuron-methyl formulations.
- Sec. 107596. Chlorsulfuron and metsulfuron-methyl formulations.
- Sec. 107597. Thifensulfuron-methyl and Fluroxypyr formulations.
- Sec. 107598. Acifluofen formulations.
- Sec. 107599. S-Metolachlor and Mestrione herbicides.
- Sec. 107600. Metribuzin formulations.
- Sec. 107601. Pendimethaline and Metribuzine formulations.
- Sec. 107602. Formulations of S-Metolachlor and Metribuzin.
- Sec. 107603. Thifensulfuron-methyl and Tribenuron-methyl formulations.
- Sec. 107604. Metsulfuron-methyl formulations.
- Sec. 107605. Chlorimuron-ethyl formulations.
- Sec. 107606. Mixtures of Bromoxynil octanoate and Bromoxynil heptanoate.
- Sec. 107607. Sulfometuron-methyl and Metsulfuron-methyl formulations.
- Sec. 107608. Chlorimuron-ethyl and Tribenuron-methyl formulations.
- Sec. 107609. Formulations containing Tiafenacil.
- Sec. 107610. Diuron 80.
- Sec. 107611. Flazasulfuron herbicides.
- Sec. 107612. Thifensulfuron-methyl formulations.
- Sec. 107613. Herbicide for farm and ranch use.
- Sec. 107614. Propanil formulations.
- Sec. 107615. Thifensulfuron formulations.
- Sec. 107616. Tolpyralate and Nicosulfuron herbicides.
- Sec. 107617. Mixtures of magnesium salts and application adjuvants.
- Sec. 107618. Nisin formulations.
- Sec. 107619. Certain fixatives.
- Sec. 107620. Fuel oil additives: cold flow improvers containing poly(ethylene-co-ethenyl acetate).
- Sec. 107621. Fuel oil additives: cold flow improvers containing fumarate vinyl acetate co-polymer.
- Sec. 107622. Crude oil additives: cold flow improvers containing fumarate vinyl acetate copolymer.
- Sec. 107623. Pour point depressants.
- Sec. 107624. Fuel oil additives: cold flow improvers containing poly (ethylene-co-ethenyl acetate and vinyl 2-ethyl hexanoate).
- Sec. 107625. Poly(isobutylene) hydroformylation products.
- Sec. 107626. Input for rubber products.
- Sec. 107627. Mixtures of oligomers as general antioxidants for rubber tires.

- Sec. 107628. Benzene, 2,4-diisocyanato-1,3,5-tris(1-methylethyl)-, homopolymer.
- Sec. 107629. Aromatic amine antioxidants.
- Sec. 107630. Antioxidant blends.
- Sec. 107631. Antioxidant blends to protect polymers.
- Sec. 107632. Synthetic hydrotalcite coated with fatty acid and magnesium stearate.
- Sec. 107633. Silica scorch retarders and polymerization inhibitors.
- Sec. 107634. Synthetic hydrotalcite.
- Sec. 107635. Light stabilizers for construction products.
- Sec. 107636. Light stabilizer for plastics.
- Sec. 107637. Preparations of bis(2,4-dichlorobenzoyl) peroxide 50 percent paste.
- Sec. 107638. Distilled tall oils.
- Sec. 107639. Pyridine, alkyl derivatives.
- Sec. 107640. Polyisocyanate crosslinking agents.
- Sec. 107641. Bonding agent mixtures.
- Sec. 107642. Liquid, chemically modified amine complex of boron trifluoride.
- Sec. 107643. Phthalocyanine derivative.
- Sec. 107644. Mixtures of Cocamidopropyl betaine, glycol distearate, Laureth-4, and water.
- Sec. 107645. Mixtures of tall oil mono-, di-, and triglycerides.
- Sec. 107646. Tallow-bis(2-hydroxyethyl) amines.
- Sec. 107647. Additive mixtures for metalworking fluids.
- Sec. 107648. Naphthenic acids.
- Sec. 107649. Hydroxytyrosol powders.
- Sec. 107650. Secondary alcohol ethoxylates.
- Sec. 107651. Ethylene glycol dimerate.
- Sec. 107652. Two-part liquid silicone kits.
- Sec. 107653. Hydrophobic precipitated silica.
- Sec. 107654. Silane, trimethoxyethyl-, hydrolysis products.
- Sec. 107655. 1,1,1-Trimethyl-N-(trimethylsilyl)silanamine hydrolysis products.
- Sec. 107656. Waterborne epoxy curing agents.
- Sec. 107657. Preparations based on 1-phenylcosane-1,3-dione.
- Sec. 107658. Mixtures of 2-Mercaptopropionic acid, methyl ester, O-ethyl dithiocarbonate.
- Sec. 107659. Epoxy curing agents.
- Sec. 107660. Aliphatic amine curing agents.
- Sec. 107661. Non-halogenated flame retardants.
- Sec. 107662. Ligaphob N 90.
- Sec. 107663. Organomodified siloxane.
- Sec. 107664. Methyl palmitate-stearate, hydrogenated.
- Sec. 107665. Olfine E1010.
- Sec. 107666. Certain non-halogenated flame retardants.
- Sec. 107667. Flame retardants.
- Sec. 107668. Preparations based on acetyl hexapeptide-8 and pentapeptide-18.
- Sec. 107669. Lithium silicon oxide.
- Sec. 107670. Branched olefin from propylene polymerization.
- Sec. 107671. Polypropylene pellets.
- Sec. 107672. Propylene-ethylene copolymer.
- Sec. 107673. Ethylene-propylene copolymers.
- Sec. 107674. Benzene alkylated with polypropylene.
- Sec. 107675. Chlorinated polyolefin.
- Sec. 107676. Adsorbent resin.
- Sec. 107677. Vinyl chloride-hydroxypropyl acrylate copolymer.

- Sec. 107678. Vinyl chloride ethylene copolymer with hydrophic properties.
- Sec. 107679. Fluids with boiling points above 170 °C.
- Sec. 107680. Formulations of functionalized perfluoropolyether.
- Sec. 107681. Perfluoropolyether-urethane acrylate.
- Sec. 107682. PVDF homopolymer/PVDF/CTFE copolymer mixtures.
- Sec. 107683. Chemically modified PVDF.
- Sec. 107684. Fluoropolymer, fluoroethylene-alkyl vinyl ether alternative copolymers.
- Sec. 107685. Copolymer of vinyl acetate and higher vinyl esters.
- Sec. 107686. Food-grade vinyl acetate copolymer.
- Sec. 107687. Vinyl chloride ethylene with enhanced properties.
- Sec. 107688. Vinyl acetate ethylene copolymer with enhanced properties.
- Sec. 107689. Food-grade polyvinyl acetate homopolymers.
- Sec. 107690. Acrylic acid/vinylsulphonate random copolymers.
- Sec. 107691. Poly(methyl methacrylate) microspheres.
- Sec. 107692. Methyl methacrylate crosspolymer microspheres.
- Sec. 107693. Styrene acrylate copolymer with enhanced properties.
- Sec. 107694. Copolymer for dental use.
- Sec. 107695. Vinyl phosphonic acid, acrylic acid copolymer, 20 percent solution in water.
- Sec. 107696. Polyacrylate 33.
- Sec. 107697. AA/AMPS copolymer.
- Sec. 107698. Flocculant dry polyacrylamides.
- Sec. 107699. Sorbitol, propylene oxide, ethylene oxide polymer.
- Sec. 107700. Trimethoxysilylpropyl carbamate-terminated polyether.
- Sec. 107701. Dimethoxy(methyl)silylmethyl carbamate-terminated polyether.
- Sec. 107702. Curing agent is used in two- or three-parts epoxy systems.
- Sec. 107703. Polyethylene glycol 450.
- Sec. 107704. Medicinal intermediate for investigational use.
- Sec. 107705. Aqueous solutions of carboxylic acid-copolymer-salt in water.
- Sec. 107706. Aqueous solutions of a modified polymer bearing hydrophilic and hydrophobic groups.
- Sec. 107707. Dimethylamine/epichlorohydrin/ethylenediamine copolymer.
- Sec. 107708. Linear hydroxyl-terminated aliphatic polycarb diol.
- Sec. 107709. Short hollow PET fibers.
- Sec. 107710. Polytetrahydrofuran.
- Sec. 107711. Crystalline polyesters.
- Sec. 107712. Liquid crystal polymers.
- Sec. 107713. Branched polyesters.
- Sec. 107714. High molecular weight co-polyester.
- Sec. 107715. High molecular weight co-polyester.
- Sec. 107716. Polyester-polyamide dispersants.
- Sec. 107717. Nylon-12 micro-spheres.
- Sec. 107718. Short nylon-66 fibers.
- Sec. 107719. Short nylon 6 fibers, colored.
- Sec. 107720. Short triangular nylon 6 fibers.
- Sec. 107721. Short star-shaped nylon 6 fibers.
- Sec. 107722. Short heart-shaped nylon 6 fibers.
- Sec. 107723. PA510 polymer compounds.
- Sec. 107724. MXD6 polymer compounds.
- Sec. 107725. PA10T polymer compounds.
- Sec. 107726. PA10T/10I polymer compounds.
- Sec. 107727. Polyurethane aqueous resins.
- Sec. 107728. Aqueous resin.
- Sec. 107729. Aliphatic polyisocyanate.

- Sec. 107730. IPDI and HDI based aliphatic polyisocyanate.
- Sec. 107731. HDI/Trimethylol hexyllactone crosspolymer micro-spheres.
- Sec. 107732. HDI/PPG/Polycaprolactone crosspolymer micro-spheres.
- Sec. 107733. Aromatic isocyanate prepolymer.
- Sec. 107734. Blocked polyisocyanate containing solvent.
- Sec. 107735. Polyisocyanate adduct for powder coatings.
- Sec. 107736. Blocked polyisocyanate for use in can and coil applications.
- Sec. 107737. Polydimethylsiloxane.
- Sec. 107738. Silicone resins.
- Sec. 107739. Methoxyfunctional methyl-phenyl polysiloxane.
- Sec. 107740. Hydrogenpolysiloxane.
- Sec. 107741. Methyl silicone resins.
- Sec. 107742. Epoxy functional polydimethylsiloxane.
- Sec. 107743. Polymethylhydrogensiloxane.
- Sec. 107744. Vinyl terminated siloxanes.
- Sec. 107745. Silicone hybrid resin (solvent free).
- Sec. 107746. Hydrogenated polycyclopentadiene resin.
- Sec. 107747. Water dispersable HDI based polyisocyanate.
- Sec. 107748. Cyanate ester resins for high-end electronic, aerospace, and industrial applications.
- Sec. 107749. Polyethyleneimine, component used in manufacturing medical devices.
- Sec. 107750. Polyhexanide.
- Sec. 107751. Ethylene-norbornene copolymer.
- Sec. 107752. Cellulose powder.
- Sec. 107753. Polymaltotriose.
- Sec. 107754. Chitosan.
- Sec. 107755. Plastic drinking straws.
- Sec. 107756. Garden hoses.
- Sec. 107757. Plastic fittings of perfluoroalkoxy.
- Sec. 107758. Low density polyethylene (LDPE) sheeting.
- Sec. 107759. Biaxially oriented dielectric polypropylene film.
- Sec. 107760. Biaxially oriented polypropylene (BOPP) capacitor-grade film.
- Sec. 107761. Polyester capacitor-grade film.
- Sec. 107762. Acid form membranes.
- Sec. 107763. Melamine resin foam.
- Sec. 107764. Infant bathtubs and basins, of plastics.
- Sec. 107765. Boxes, cases, crates, and similar articles of plastics.
- Sec. 107766. Nozzles, black, of polypropylene.
- Sec. 107767. Tip/cap combinations of polyethylene.
- Sec. 107768. Bottles made of LDPE.
- Sec. 107769. Plastic nasal irrigator caps for neti pots.
- Sec. 107770. Toy character bottle toppers.
- Sec. 107771. Melamine platters, other than those presented in sets.
- Sec. 107772. Melamine plates, other than those presented in sets.
- Sec. 107773. Melamine bowls not presented in sets.
- Sec. 107774. Melamine trays not presented in sets.
- Sec. 107775. Plastic measuring cups and spoons in sets.
- Sec. 107776. Liquid measuring cups.
- Sec. 107777. Self-anchoring beverage containers.
- Sec. 107778. PVC infant bathtub mats.
- Sec. 107779. Reversible playmats.
- Sec. 107780. Hangers.
- Sec. 107781. Infant bath rinsing cups.
- Sec. 107782. Bathtub spout covers.

- Sec. 107783. Infant teethers.
- Sec. 107784. Lighted dog fetch toys.
- Sec. 107785. Certain thermoplastic nylon 3-gang switch wallplates.
- Sec. 107786. Manual plastic disposable cutlery dispensers.
- Sec. 107787. Ear bulb syringes of clear silicone.
- Sec. 107788. PVC inflatable pillows.
- Sec. 107789. Self-inflatable queen air mattresses.
- Sec. 107790. Plastic clip fasteners.
- Sec. 107791. Self-venting spouts for diesel exhaust fluid.
- Sec. 107792. Plastic pet carriers.
- Sec. 107793. Plastic mixing tips.
- Sec. 107794. Cable ties of plastics.
- Sec. 107795. Flexible camera mountings.
- Sec. 107796. Three-piece camera mount sets.
- Sec. 107797. Magnetic swivel clips for cameras.
- Sec. 107798. Helmet camera mounts.
- Sec. 107799. Short extension poles for use with cameras.
- Sec. 107800. Long extension poles for cameras.
- Sec. 107801. Swivel mounts for cameras.
- Sec. 107802. Tripod camera mounts.
- Sec. 107803. Bulk hydraulic hoses.
- Sec. 107804. Brake hydraulic hoses.
- Sec. 107805. Bulk fabric/metal-reinforced rubber hoses.
- Sec. 107806. Disposable gloves.
- Sec. 107807. Reusable gloves.
- Sec. 107808. Dog and cat apparel.
- Sec. 107809. Polycarbonate vanity cases.
- Sec. 107810. Aluminum vanity cases.
- Sec. 107811. Suitcases with outer surface of aluminum with built-in zipper locks.
- Sec. 107812. Laminated recycled reusable shopping tote bags.
- Sec. 107813. Reusable shopping style tote bags.
- Sec. 107814. Waterproof tote bags.
- Sec. 107815. Waterproof duffle bags.
- Sec. 107816. Waterproof zippered bags, without handles, of plastic sheeting.
- Sec. 107817. Waterproof backpacks.
- Sec. 107818. Waterproof waist packs.
- Sec. 107819. Guitar cases.
- Sec. 107820. Jewelry boxes.
- Sec. 107821. Silicone rubber camera cases with straps.
- Sec. 107822. Leather gloves with flip mitts for hunting.
- Sec. 107823. Men's leather gloves valued at \$18 or more per pair.
- Sec. 107824. Belts of calf skin.
- Sec. 107825. Bamboo engineered flooring: 12.5–12.9 mm thick.
- Sec. 107826. Bamboo engineered flooring: 14.1–14.5 mm thick.
- Sec. 107827. Bamboo engineered flooring: 15.7–16.1 mm thick.
- Sec. 107828. Strand bamboo flooring: 12.5–12.9 mm thick.
- Sec. 107829. Strand bamboo flooring: 14.1–14.5 mm thick.
- Sec. 107830. Strand bamboo flooring: 10.9–11.3 mm thick.
- Sec. 107831. Chopsticks made of bamboo.
- Sec. 107832. Drying racks of wood.
- Sec. 107833. Bamboo skewers.
- Sec. 107834. Wood blinds with louvered slats.
- Sec. 107835. 100 percent cotton woven crimped unbleached fabric.

- Sec. 107836. Woven fabrics of cotton, containing 85 percent or more by weight of cotton, not more than 200 grams per square meter.
- Sec. 107837. 100 percent cotton woven bleached fabric pieces, open weave.
- Sec. 107838. Incontinence underpad fabrics of cotton.
- Sec. 107839. Woven fabrics of cotton with an average yarn number between 55 and 60.
- Sec. 107840. Woven fabric of cotton of yarn number 69 or higher.
- Sec. 107841. Woven fabrics of cotton with an average yarn number exceeding 68.
- Sec. 107842. Incontinence underpad fabrics, cotton, plain weave, of yarn number 42 or lower.
- Sec. 107843. Incontinence underpad fabrics, cotton, plain weave, of yarn number between 43 and 68.
- Sec. 107844. Incontinence underpad fabrics, bleached.
- Sec. 107845. Incontinence underpad fabrics, printed.
- Sec. 107846. Untwisted filament polyvinyl alcohol yarn, measuring 1,100 to 1,330 decitex.
- Sec. 107847. Untwisted filament polyvinyl alcohol yarn.
- Sec. 107848. Polypropylene (PP) monofilament.
- Sec. 107849. Acrylic fiber tow with an average decitex of 0.9.
- Sec. 107850. Black polyester bi-component fibers.
- Sec. 107851. Acrylic staple fibers with an average decitex of 2.2, fiber length of 100 mm.
- Sec. 107852. Modacrylic staple fibers not processed for spinning.
- Sec. 107853. Short polypropylene fibers.
- Sec. 107854. Polyoxadiazole fibers.
- Sec. 107855. Artificial staple fibers of viscose rayon, 38–42 mm in length.
- Sec. 107856. Artificial fibers of viscose rayon for the manufacture of feminine hygiene products.
- Sec. 107857. Flame retardant rayon fibers, measuring 4.78 decitex.
- Sec. 107858. Flame retardant rayon fibers, measuring 4.55 decitex.
- Sec. 107859. Flame retardant rayon fibers, measuring 4.4 decitex.
- Sec. 107860. Other flame retardant rayon fibers.
- Sec. 107861. Cellulosic man-made viscose rayon staple fibers, measuring 1.3–1.5 decitex.
- Sec. 107862. Viscose rayon staple fibers, measuring 1.5–1.67 decitex, with a fiber length of 38–42 mm.
- Sec. 107863. Cellulosic man-made viscose rayon staple fibers, measuring 1.67–2 decitex.
- Sec. 107864. Viscose rayon staple fibers, measuring 1–2 decitex, with a fiber length of 4–8 mm.
- Sec. 107865. Viscose staple fibers used in textile, medical, or hygiene applications.
- Sec. 107866. Viscose rayon staple fibers, measuring 1.51–2 decitex, with a fiber length of 8–16 mm.
- Sec. 107867. Viscose rayon staple fibers, measuring 1–1.5 decitex, with a fiber length of 8–16 mm.
- Sec. 107868. Flame retardant viscose rayon staple fibers, with a decitex of 4.7 mm and a fiber length of 51–60 mm.
- Sec. 107869. Viscose rayon staple fibers for nonwoven production.
- Sec. 107870. Black viscose rayon staple fibers.
- Sec. 107871. Acrylic or modacrylic staple fibers with a decitex of 3–5.6.
- Sec. 107872. Made up hand-cast string-drawn fishing nets.
- Sec. 107873. Knitted carpets containing 75 percent or more of cotton, with a rubber backing.

- Sec. 107874. Knitted carpets containing 75 percent or more by weight of polyester, with a rubber backing.
- Sec. 107875. Faux leather fabrics.
- Sec. 107876. Grass catcher bags.
- Sec. 107877. Oxygenation membrane capillary material.
- Sec. 107878. Textile knitted fabrics composed of micromodal and elastane.
- Sec. 107879. Textile technical knitted fabrics combining technical cotton and elastane.
- Sec. 107880. Textile knit fabrics of modal, cashmere, and spandex.
- Sec. 107881. Women's and girls' dresses, knitted or crocheted, of synthetic fibers infused with minerals.
- Sec. 107882. Women's and girls' skirts and divided skirts of synthetic fibers infused with minerals.
- Sec. 107883. Women's and girls' knit cardigans or pullovers containing 70 percent or more of silk.
- Sec. 107884. Men's and boys' knit cardigans or pullovers of linen.
- Sec. 107885. Babies' knit sweaters, pullovers, sweatshirts, waistcoats (vests), and cardigans, of artificial fibers.
- Sec. 107886. Women's and girls' tops, knitted or crocheted, of man-made fibers infused with minerals.
- Sec. 107887. Men's and boy's tops, knitted or crocheted, of man-made fibers infused with minerals.
- Sec. 107888. Men's 3 mm wetsuits.
- Sec. 107889. Men's 5.5 and 6.5 mm wetsuits.
- Sec. 107890. Men's 3.5 mm wetsuits.
- Sec. 107891. Men's 4.5 mm wetsuits.
- Sec. 107892. Women's 3 mm wetsuits.
- Sec. 107893. Women's 3.5 mm wetsuits.
- Sec. 107894. Women's 4.5 mm wetsuits.
- Sec. 107895. Women's 5.5 and 6.5 mm wetsuits.
- Sec. 107896. Insulated handmuffs of knit polyester.
- Sec. 107897. Men's stockingfoot wader bottom subassemblies, of compressed neoprene.
- Sec. 107898. Men's stockingfoot wader bottom subassemblies, of non-compressed neoprene.
- Sec. 107899. Fishing wader pocket pouch assemblies.
- Sec. 107900. Martial arts uniforms.
- Sec. 107901. Women's or girls' linen woven blouses, shirts and shirt-blouses, and sleeveless tank styles.
- Sec. 107902. Women's or girls' linen woven washsuits, sunsuits, or one-piece playsuits.
- Sec. 107903. Women's or girls' linen woven coveralls or jumpsuits.
- Sec. 107904. Women's shawls and similar goods, 100 percent silk.
- Sec. 107905. Winter cycling gloves.
- Sec. 107906. Lock pocket tents.
- Sec. 107907. Dark room tents.
- Sec. 107908. Bi-component microfiber tube mop refills.
- Sec. 107909. Microfiber duster refills.
- Sec. 107910. RFID mop pads.
- Sec. 107911. Microfiber cleaning cloths.
- Sec. 107912. Microfiber mop pads.
- Sec. 107913. Golf bag body flats.
- Sec. 107914. Bathtub elbow rests.
- Sec. 107915. Door swings.
- Sec. 107916. Under bed restraints.

- Sec. 107917. Bath kneeler.
- Sec. 107918. Two-piece camera mount kits.
- Sec. 107919. Sleeve covers.
- Sec. 107920. Men's cycling shoes valued over \$18 per pair.
- Sec. 107921. Women's cycling shoes valued over \$16 per pair.
- Sec. 107922. Men's golf shoes with outers and uppers of rubber or plastics, valued over \$20 per pair.
- Sec. 107923. Golf shoes other than for men, with outers and uppers of rubber or plastics, valued over \$20 per pair.
- Sec. 107924. Winter cycling boots for men.
- Sec. 107925. Winter cycling boots for women.
- Sec. 107926. Children's footwear valued over \$15 per pair.
- Sec. 107927. Women's protective active footwear, valued over \$25 per pair, 15.35–25.4 cm in height.
- Sec. 107928. Cheer shoes covering the ankle.
- Sec. 107929. Sideline cheer shoes.
- Sec. 107930. Men's athletic footwear, valued under \$9 per pair.
- Sec. 107931. Athletic footwear for women, valued not over \$9 per pair.
- Sec. 107932. Athletic footwear for children, valued not over \$8 per pair.
- Sec. 107933. Men's golf shoes, with outer soles and uppers of rubber or plastics, not covering the ankle, valued \$15 per pair or over.
- Sec. 107934. Golf shoes other than for men, with outer soles and uppers of rubber or plastics, not covering the ankle, valued \$15 per pair or over.
- Sec. 107935. Men's rubber/plastic footwear, valued not over \$5 per pair.
- Sec. 107936. Women's rubber/plastic footwear, valued not over \$6 per pair.
- Sec. 107937. Cheer shoes with sole less than 12 mm.
- Sec. 107938. Men's golf shoes with outers and uppers of rubber or plastics, valued over \$19 per pair.
- Sec. 107939. Golf shoes other than for men, outer soles and uppers of rubber or plastics, valued over \$19 per pair.
- Sec. 107940. Men's golf shoes, outer soles of rubber, plastics, leather or composition leather and uppers of leather (except pigskin uppers).
- Sec. 107941. Women's leather footwear, lined with pigskin with zipper, valued \$47–\$60 per pair.
- Sec. 107942. Women's leather footwear, lined with pigskin, valued \$31–\$40 per pair.
- Sec. 107943. Women's slip-on cow/calf hair footwear, valued \$50–\$60 per pair.
- Sec. 107944. Women's leather footwear lined with sheepskin.
- Sec. 107945. Women's leather slip-on footwear lined with sheep leather.
- Sec. 107946. Women's leather slip-on footwear lined with pigskin.
- Sec. 107947. Women's leather footwear, lined with pigskin, valued \$21–\$27 per pair.
- Sec. 107948. Women's footwear with leather uppers, lined with pigskin, closed toe or heel with functional zippers on sides.
- Sec. 107949. Women's footwear with leather uppers, lined with pigskin with adjustable laces.
- Sec. 107950. Competitive cheer shoes with leather uppers.
- Sec. 107951. Women's footwear with leather uppers, with strap and buckle, valued \$27–\$40 per pair.
- Sec. 107952. Children's leather upper athletic footwear, valued not over \$9 per pair.
- Sec. 107953. Men's athletic type footwear with uppers of textile materials of vegetable fibers and outer soles of rubber or plastic with textile flocking.

- Sec. 107954. Athletic footwear for men, with a bellows tongue, valued over \$6.50 but not over \$12 per pair.
- Sec. 107955. Athletic footwear for women, with a bellows tongue, valued over \$6.50 but not over \$12 per pair.
- Sec. 107956. Athletic footwear for children, bellows tongue, valued over \$6.50 but not over \$12 per pair.
- Sec. 107957. Athletic footwear for men, valued over \$6.50 but not over \$9 per pair.
- Sec. 107958. Athletic footwear for children, valued over \$6.50 but not over \$9 per pair.
- Sec. 107959. Cheer shoes with uppers of textile materials.
- Sec. 107960. Women's footwear with textile uppers and 50 percent or more of the surface area of which is leather.
- Sec. 107961. Women's footwear with textile uppers, open toes or heels, valued \$15-\$30 per pair.
- Sec. 107962. Men's textile upper footwear, with open toes or open heels, valued not over \$12 per pair.
- Sec. 107963. Women's textile upper footwear, with open toes or open heels, valued not over \$12 per pair.
- Sec. 107964. Children's textile upper footwear, with open toes or open heels, valued not over \$12 per pair.
- Sec. 107965. Oxford-style work footwear with steel safety toe and static dissipating protection.
- Sec. 107966. Oxford footwear with textile uppers and composite toe, valued over \$20 per pair.
- Sec. 107967. Men's mid-cut footwear with a textile upper and a protective toe cap.
- Sec. 107968. Women's footwear with leather soles and textile uppers, open toes or heels, valued \$12-\$24 per pair.
- Sec. 107969. Footwear for women valued over \$20 but not over \$24 per pair.
- Sec. 107970. Women's footwear with leather soles and textile uppers, valued \$15-\$20 per pair.
- Sec. 107971. Women's footwear with leather soles and textile uppers, valued \$20-\$25 per pair.
- Sec. 107972. Women's footwear with cork soles and textile uppers.
- Sec. 107973. Men's footwear with felt soles, not covering the ankle, valued \$20 per pair or higher.
- Sec. 107974. Women's and girls' footwear with cork uppers, valued less than \$25 per pair.
- Sec. 107975. Women's footwear with cow/calf hair uppers, valued \$35-\$40 per pair, covering the ankle.
- Sec. 107976. Women's footwear with cow/calf hair uppers, valued \$35-\$40 per pair, not covering the ankle.
- Sec. 107977. Women's footwear with cow/calf hair uppers, valued \$19-\$25 per pair.
- Sec. 107978. Women's footwear with cow/calf hair uppers, valued \$50-\$55 per pair.
- Sec. 107979. Women's footwear, leather soles and rubber/plastic uppers, valued \$16-\$18 per pair.
- Sec. 107980. Women's footwear with cow/calf hair uppers, valued \$19-\$34 per pair.
- Sec. 107981. Footwear for women, valued over \$50 but not over \$60 per pair.
- Sec. 107982. Calf hair upper footwear.
- Sec. 107983. Gaiters of man-made fibers.
- Sec. 107984. Hats of vegetable fibers.

- Sec. 107985. Hairnets.
- Sec. 107986. Cotton knit hats, valued \$8 or less.
- Sec. 107987. Babies' woven cotton hats.
- Sec. 107988. Hats of man-made fiber, valued \$5–\$25.
- Sec. 107989. Waterproof and insulated hats with ear flaps, valued over \$15.
- Sec. 107990. Fishing wading staffs.
- Sec. 107991. Plastic plants for aquariums, not glued or bound.
- Sec. 107992. Natural stone ledger tile of sandstone.
- Sec. 107993. Marble mosaic and pebble tiles.
- Sec. 107994. Natural stone limestone tiles.
- Sec. 107995. Natural stone marble tiles.
- Sec. 107996. Waterjet natural stone mosaic tile.
- Sec. 107997. Marble entertaining and serveware.
- Sec. 107998. Articles of marble for kitchen and dining room.
- Sec. 107999. Natural stone ledger tiles of travertine.
- Sec. 108000. Travertine decorative tile.
- Sec. 108001. Limestone decorative tiles.
- Sec. 108002. Blank, embossed, and printed stoneware coaster disks and trivets.
- Sec. 108003. Rolled green glass sheets.
- Sec. 108004. Framed rear-view mirrors.
- Sec. 108005. Wall mirrors, unframed.
- Sec. 108006. Wall mirrors, framed.
- Sec. 108007. Stemware (crystalline) drinking glasses valued over \$0.30 but not over \$3 each, other than those presented in sets.
- Sec. 108008. Double-walled insulated glass tumblers.
- Sec. 108009. Diamond-shaped stemmed wine glasses.
- Sec. 108010. Twisted-center stemless wine glass.
- Sec. 108011. Crystalline drinking glasses, without stems, not in sets.
- Sec. 108012. Double-walled insulated glass bowls.
- Sec. 108013. Leaf-shaped glass decanters.
- Sec. 108014. Set of four appetizer plates made of glass with steel caddy holder, valued at \$2 each.
- Sec. 108015. Spice rack with glass jars and wooden lids valued not over \$3 each.
- Sec. 108016. Glass lens blanks for infrared applications.
- Sec. 108017. Hair accessories of glass beads, imitation pearls, and imitation stones, valued less than \$7.
- Sec. 108018. Filter bags with acid-resistant coating, of woven fiberglass laminated to ePTFE, weighing at least 325 g/m² but not over 350 g/m².
- Sec. 108019. Fiberglass replacement wicks for outdoor garden torch.
- Sec. 108020. Filter bags of woven fiberglass fabric laminated to an ePTFE, with a polytetrafluoroethylene coated backing, not acid resistant, weighing at least 721 g/m² but not over 771 g/m².
- Sec. 108021. Silver catalyst.
- Sec. 108022. Silver round blanks.
- Sec. 108023. Ferroboron alloy.
- Sec. 108024. Cast iron nonmalleable threaded main body combo castings for residential fuel oil tanks.
- Sec. 108025. Cast iron nonmalleable threaded vent caps for residential fuel oil tanks.
- Sec. 108026. Cast iron nonmalleable threaded bushings for residential fuel oil tanks.

- Sec. 108027. Cast iron nonmalleable threaded tank adapters for residential fuel oil tanks.
- Sec. 108028. Cast iron nonmalleable threaded fill alarm main body for residential fuel oil tanks.
- Sec. 108029. Cast iron nonmalleable threaded fill box caps for residential fuel oil tanks.
- Sec. 108030. Cast iron nonmalleable threaded leg flanges for residential fuel oil tanks.
- Sec. 108031. Portable gas cooking stoves.
- Sec. 108032. Portable outdoor cookers.
- Sec. 108033. Self-anchored beverage containers.
- Sec. 108034. Stainless steel handmade kitchen sinks.
- Sec. 108035. Loose frame baskets.
- Sec. 108036. Two-story fire escape ladders.
- Sec. 108037. Three-story fire escape ladders.
- Sec. 108038. Work support stands of steel.
- Sec. 108039. Locking fixtures of iron or steel.
- Sec. 108040. Stainless steel phone handle-and-stand accessories.
- Sec. 108041. Circular and S-shaped stainless steel carabiners.
- Sec. 108042. Pieces of refined unwrought copper cathode 99.9999 percent pure.
- Sec. 108043. Ultra-thin and wide-width aluminum foil.
- Sec. 108044. Etched capacitor aluminum foil of a thickness 0.018–0.126 mm.
- Sec. 108045. Stove top coffee makers.
- Sec. 108046. Aluminum shower caddies.
- Sec. 108047. Step stools of aluminum.
- Sec. 108048. Aluminum ladders.
- Sec. 108049. Circular and S-shaped aluminum carabiners.
- Sec. 108050. Stationary sprinklers of zinc.
- Sec. 108051. Tungsten waste and scrap.
- Sec. 108052. Cobalt alloys.
- Sec. 108053. Certain gallium (Ga).
- Sec. 108054. Niobium (columbium) rings no thicker than 20 mm.
- Sec. 108055. Tungsten secondary raw material.
- Sec. 108056. Gear-driven bolt cutters and pipe cutters.
- Sec. 108057. Rotary cutters.
- Sec. 108058. Food graters.
- Sec. 108059. Hand tools for applying plastic clip fasteners to garments.
- Sec. 108060. Steel workstations with vises adjustable by foot pedal.
- Sec. 108061. Fixed carbide cutter and roller cone drill bits.
- Sec. 108062. Rotary food graters.
- Sec. 108063. Coffee presses.
- Sec. 108064. Vacuum insulated coffee servers with a brew-through lid.
- Sec. 108065. Vacuum insulated coffee servers with no lid.
- Sec. 108066. Vacuum insulated coffee servers with fitted hinged lid.
- Sec. 108067. Commercial vacuum insulated coffee servers with sight gauge.
- Sec. 108068. Commercial vacuum insulated coffee servers with plastic base.
- Sec. 108069. Commercial vacuum insulated coffee servers with plastic base and stand.
- Sec. 108070. Craft knives with fixed pen-like or retractable blades.
- Sec. 108071. Craft knives.
- Sec. 108072. Blades for craft knives with non-fixed blades.
- Sec. 108073. Ergonomic pinking shears.
- Sec. 108074. Spring-action scissors.
- Sec. 108075. Electronic locks for lockers.

- Sec. 108076. Luggage locks of base metal, packaged for retail sale.
- Sec. 108077. Key-operated door handles, push-pull-rotate.
- Sec. 108078. Vent mounted magnetic mobile phone holder for automobiles.
- Sec. 108079. Dash mounted magnetic mobile phone holder for automobiles.
- Sec. 108080. Windshield mounted magnetic mobile phone holder for automobiles.
- Sec. 108081. Steel latches with plastic plungers.
- Sec. 108082. Non-key-operated door handles.
- Sec. 108083. Curtain rings.
- Sec. 108084. Brackets.
- Sec. 108085. Curtain rods.
- Sec. 108086. Curtain rod hardware.
- Sec. 108087. Curtain tiebacks.
- Sec. 108088. Curtain rod finials.
- Sec. 108089. Curved shower rods.
- Sec. 108090. Shower hooks and rings.
- Sec. 108091. Straight shower rods.
- Sec. 108092. Steel window rods.
- Sec. 108093. Antitheft steel cases with digital locks.
- Sec. 108094. Stainless steel hose kits.
- Sec. 108095. Stainless steel hoses.
- Sec. 108096. Wrist watch strap buckles not over 18 mm.
- Sec. 108097. Wrist watch strap buckles over 18 mm.
- Sec. 108098. Used cylinder heads.
- Sec. 108099. Cylinder heads used solely or principally with certain engines.
- Sec. 108100. Engine blocks.
- Sec. 108101. Swirler assemblies for turbines.
- Sec. 108102. Barrels for fuel mixing.
- Sec. 108103. Injector assemblies for certain turbines.
- Sec. 108104. Stem assemblies for certain turbines.
- Sec. 108105. Tip assemblies for non-gas turbines.
- Sec. 108106. High pressure fuel pumps.
- Sec. 108107. Dry scroll vacuum pumps 364x333x485 mm.
- Sec. 108108. Dry scroll vacuum pumps 297x260x420 mm.
- Sec. 108109. Dry scroll vacuum pumps 254x260x420 mm.
- Sec. 108110. Dry scroll vacuum pumps 181x140x358 mm.
- Sec. 108111. Turbomolecular vacuum pumps.
- Sec. 108112. Rotary vane vacuum pumps valued over \$500 each.
- Sec. 108113. Vacuum diffusion pumps valued over \$900 each.
- Sec. 108114. Hand- or foot-operated air pumps.
- Sec. 108115. Roof vent fans.
- Sec. 108116. 12-Amp corded electric leaf blowers.
- Sec. 108117. Cordless battery powered leaf blowers not exceeding 20 volts.
- Sec. 108118. Cordless battery powered leaf blowers between 20 and 60 V.
- Sec. 108119. Fan assemblies for cab climate systems.
- Sec. 108120. Aquarium air pumps.
- Sec. 108121. Heat pumps for residential use.
- Sec. 108122. Heat pumps (outdoor units) for split air conditioner systems.
- Sec. 108123. High-wall indoor units.
- Sec. 108124. Single-zone outdoor units.
- Sec. 108125. Mini heat pumps for split air conditioner systems.
- Sec. 108126. Multi-zone outdoor unit ductless systems.
- Sec. 108127. Indoor units of split air conditioner systems.
- Sec. 108128. Ductless 18000 BTU heat pumps, single zone inverter.
- Sec. 108129. Single-phase heat pump.

- Sec. 108130. Steel vacuum pitchers with plastic hinged lid.
- Sec. 108131. Oil filters.
- Sec. 108132. Battery powered nasal irrigators.
- Sec. 108133. Struts to absorb vibration.
- Sec. 108134. Table saws (25.4 cm.), operable corded and cordless.
- Sec. 108135. Sliding miter saws (25.4 cm) with laser, corded and cordless.
- Sec. 108136. Electromechanical rotary hammers, corded and cordless.
- Sec. 108137. Electromechanical hammer impact drivers, corded and cordless.
- Sec. 108138. Rotary hammer drill tools with self-contained electric motor.
- Sec. 108139. Drill driver tools with self-contained electric motor.
- Sec. 108140. Extruders.
- Sec. 108141. Three-dimensional drawing pens.
- Sec. 108142. Professional grade three-dimensional drawing pens.
- Sec. 108143. Electric multi-functional blower vacuums.
- Sec. 108144. Autosamplers (multisamplers) for liquid chromatographs.
- Sec. 108145. Autosamplers (vialsamplers) for liquid chromatographs.
- Sec. 108146. Hydraulic hammer assembly.
- Sec. 108147. Segmented bladder-operated molds, with more than 25-inch rim diameter.
- Sec. 108148. Used valves for directional control.
- Sec. 108149. Keg spears with pressure release valves.
- Sec. 108150. Multiport distribution controllers.
- Sec. 108151. Subsea modular trees.
- Sec. 108152. Flow selector unit-multi-port 6-branch engine crankshafts.
- Sec. 108153. Engine crankshafts.
- Sec. 108154. Turbocharger journal bearings.
- Sec. 108155. Mid-range bearing housings.
- Sec. 108156. Heavy duty bearing housings.
- Sec. 108157. Fixed ration gear boxes.
- Sec. 108158. Track drive gear boxes.
- Sec. 108159. Swing bearing assembly.
- Sec. 108160. Gears for use in machinery or within engines.
- Sec. 108161. 14Y stepper motors.
- Sec. 108162. Air door actuators.
- Sec. 108163. Servo motors.
- Sec. 108164. DC brushed rhombic winding NdFeb magnet motors, with output under 18.65 W.
- Sec. 108165. DC brushed rhombic winding NdFeB magnet motors.
- Sec. 108166. DC brushed rhombic winding AlNiCo magnet motors, with output under 18.65 W.
- Sec. 108167. DC brushless rhombic winding NdFeB magnet motors, with output under 18.65 W.
- Sec. 108168. DC brushed rhombic winding NdFeB magnet motors, with output over 18.65 but not over 37.5 W.
- Sec. 108169. DC brushed rhombic winding AlNiCo magnet motors, with output over 18.65 W but not over 37.5 W.
- Sec. 108170. DC brushless slotless rhombic winding NdFeB magnet motors output over 18.65 W but not over 37.5 W.
- Sec. 108171. DC brushed rhombic winding NdFeB magnet motors output over 37.5 W but not over 74.6 W.
- Sec. 108172. DC brushless slotless rhombic winding NdFeB magnet motors output over 37.5 W but not over 74.6 W.
- Sec. 108173. Motors.
- Sec. 108174. DC motors of an output exceeding 74.6 W but not exceeding 735 W.

- Sec. 108175. DC motors, of an output exceeding 74.6 W but not exceeding 735 W.
- Sec. 108176. DC brushed rhombic winding NdFeB magnet motors output over 74.6 W but not over 735 W.
- Sec. 108177. DC brushless slotless rhombic winding NdFeB magnet motors output over 74.6 W but not over 735 W.
- Sec. 108178. DC motors of an output exceeding 750 W but not exceeding 14.92 kW.
- Sec. 108179. DC electric motor for non-aircraft gas turbines.
- Sec. 108180. AC alternators.
- Sec. 108181. AC alternators with copper windings.
- Sec. 108182. Wound stators and rotor assemblies.
- Sec. 108183. Rotors.
- Sec. 108184. Stators for washing machines, with a 27-tooth design.
- Sec. 108185. Stators for washing machines, with an 18-tooth design.
- Sec. 108186. Rotors for washing machines, with a height of 60.8 mm.
- Sec. 108187. Rotors for washing machines, with a height of 49 mm.
- Sec. 108188. 6 V lead-acid storage batteries.
- Sec. 108189. 12 V lead-acid storage batteries, used for the auxiliary source of power.
- Sec. 108190. Lead-acid storage batteries, used for wheelchairs.
- Sec. 108191. 12 V lead-acid storage batteries, rated at less than 15 ampere-hours.
- Sec. 108192. 12 V lead-acid storage batteries, rated at 15 ampere-hours or more.
- Sec. 108193. Cell box assemblies, weighing 15 kg or more but not over 18 kg.
- Sec. 108194. Cell box assemblies, weighing 30 kg or more but not over 36 kg.
- Sec. 108195. Cell box assemblies, weighing 36 kg or more but not over 49 kg.
- Sec. 108196. Cell box assemblies NX.
- Sec. 108197. Food processors with a capacity greater than 2.9 liters but not exceeding 3.1 liters.
- Sec. 108198. Food processors with a capacity greater than 1.6 liters but not exceeding 2.2 liters.
- Sec. 108199. Cordless hand blenders.
- Sec. 108200. Cordless hand mixers.
- Sec. 108201. Corded hand blenders.
- Sec. 108202. Burr coffee grinders.
- Sec. 108203. Electric food processors with bowl scraper.
- Sec. 108204. Electric food processors with snap-locking lid.
- Sec. 108205. Electric juice extractors.
- Sec. 108206. Electric drink mixers.
- Sec. 108207. Spiralizing food processors with a capacity equal to or greater than 2.36 liters but not exceeding 2.64 liters.
- Sec. 108208. Spiralizing food processors with a capacity equal to or greater than 2.83 liters but not exceeding 3.07 liters.
- Sec. 108209. Dicing food processors.
- Sec. 108210. Compact food processor with smoothie function.
- Sec. 108211. Juice extractors.
- Sec. 108212. Integrated baby food making systems.
- Sec. 108213. Electric juice mixers and grinders.
- Sec. 108214. Ultrasonic humidifiers.
- Sec. 108215. Automatic litterboxes, valued no more than \$100.
- Sec. 108216. Electric toothbrushes.
- Sec. 108217. Ultrasonic cool/warm mist humidifiers with aromatherapy.
- Sec. 108218. 2-in-1 can opener.

- Sec. 108219. Food spiralizing devices.
- Sec. 108220. Ceramic bowls.
- Sec. 108221. Food grinders for certain electromechanical stand food mixers.
- Sec. 108222. Pasta press extruders for certain stand food mixers.
- Sec. 108223. Stainless steel bowls for certain electromechanical stand food mixers, with capacity greater than 4.2 liters but not exceeding 4.8 liters.
- Sec. 108224. Stainless steel bowls for certain electromechanical stand food mixers, with capacity greater than 2.8 liters but not exceeding 3.4 liters.
- Sec. 108225. Stainless steel bowls for certain electromechanical stand food mixers, with capacity greater than 5.6 liters but not exceeding 8.6 liters.
- Sec. 108226. Pasta rollers and cutters for stand food mixers.
- Sec. 108227. Glass bowls for certain electromechanical stand food mixers.
- Sec. 108228. Body trimmers for detailed hair trimming.
- Sec. 108229. Hair clipper sets.
- Sec. 108230. Rechargeable trimmers for trimming human hair.
- Sec. 108231. PCB assemblies for clippers and trimmers.
- Sec. 108232. LED bicycle wheel spoke lights.
- Sec. 108233. Bicycle rear lights.
- Sec. 108234. Portable electric lamps.
- Sec. 108235. Space heaters.
- Sec. 108236. Microwave ovens with capacity not exceeding 22.5 liters.
- Sec. 108237. Microwave ovens with capacity exceeding 22.5 liters but not exceeding 31 liters.
- Sec. 108238. Low-profile microwave ovens with electronic opening mechanism and integral range hood.
- Sec. 108239. Low-profile microwave ovens with push button opening mechanism and integral range hood.
- Sec. 108240. Low-profile microwave ovens with electronic opening mechanism and without a range hood.
- Sec. 108241. Searing grills.
- Sec. 108242. Automatic drip coffee makers.
- Sec. 108243. Espresso machines.
- Sec. 108244. Coffee makers with dishwasher safe removable parts.
- Sec. 108245. Single-service coffee makers with milk frothers.
- Sec. 108246. Electric coffee makers with dual dispensers.
- Sec. 108247. Electric coffee makers for brewing capsules.
- Sec. 108248. Automatic or manual pour over coffee makers.
- Sec. 108249. Removable reservoir coffeemakers.
- Sec. 108250. Single serve coffee makers.
- Sec. 108251. 2-way coffee makers with a 12-cup carafe and a pod brewer.
- Sec. 108252. Rapid cold brew and hot coffee makers.
- Sec. 108253. Electric kettles.
- Sec. 108254. Electric toasters with even-toast feature.
- Sec. 108255. Electric toasters with 6.5 inch slots.
- Sec. 108256. Electric toasters with 37 mm wide slots, with an under-base cord wrap.
- Sec. 108257. 2- and 4-slot toasters, not having a button to keep toaster contents warm after toasting.
- Sec. 108258. 2-slot toasters, with a button to keep toaster content warm after toasting.
- Sec. 108259. Electric toasters with double-slice slots.
- Sec. 108260. Electric toasters with 37 mm wide slots, with a retractable cord.

- Sec. 108261. Electric pressure cookers rated more than 800 W but not more than 1,000 W, with a capacity of not less than 5 liters.
- Sec. 108262. Electric pressure cookers rated more than 1,200 W but not more than 1,400 W, with a capacity of less than 5 liters.
- Sec. 108263. Electric pressure cookers rated more than 1,000 W but not more than 1,200 W, with a capacity of less than 5 liters.
- Sec. 108264. Contoured heating pads.
- Sec. 108265. Slow cookers with non-stick ceramic coated stoneware.
- Sec. 108266. Heating pads.
- Sec. 108267. Programmable slow cookers with digital display.
- Sec. 108268. 8-Quart electric slow cookers.
- Sec. 108269. Programmable slow cookers.
- Sec. 108270. Electric slow cookers with locking lid.
- Sec. 108271. Double flip waffle makers with removable grids.
- Sec. 108272. Ice cream waffle cone and bowl makers.
- Sec. 108273. Electric breakfast sandwich makers.
- Sec. 108274. Pressure cookers.
- Sec. 108275. 10-quart programmable slow cookers.
- Sec. 108276. Polished stainless steel 1.5-quart tea kettles.
- Sec. 108277. Egg bite makers.
- Sec. 108278. Vacuum steel insulated coffee carafes, of a kind used with deep ultraviolet lithography machines.
- Sec. 108279. Vacuum steel insulated carafes for household coffee machines, of a kind used with deep ultraviolet lithography machines.
- Sec. 108280. Vacuum steel bodies with inner and outer steel layers.
- Sec. 108281. Lamp-holder housings of plastic.
- Sec. 108282. 660 W, 125 V, lamp-holder with two 15 amp outlets.
- Sec. 108283. Combination duplex receptacle/outlet and USB charger, 15–20 amp, 125 V.
- Sec. 108284. Range and dryer receptacles.
- Sec. 108285. Residential grade receptacles.
- Sec. 108286. Residential and commercial USB receptacles.
- Sec. 108287. Power strips.
- Sec. 108288. Surge protectors.
- Sec. 108289. Programmable controllers for architectural lighting.
- Sec. 108290. Electronic modular control panels for generators.
- Sec. 108291. Power distribution modules and programmable controllers.
- Sec. 108292. Glass capacitive touchscreen assemblies with LCD.
- Sec. 108293. Lamps containing deuterium gas without radio-frequency identification (RFID).
- Sec. 108294. Lamps containing deuterium gas with radio-frequency identification (RFID).
- Sec. 108295. Fiber channel coaxial cables of silver-plated copper conductors and expanded ePTFE dielectrics.
- Sec. 108296. Insulated coaxial cables, of a kind used with deep ultraviolet lithography machines.
- Sec. 108297. Coaxial cables insulated with ePTFE, vapor sealed, of a kind used with deep ultraviolet lithography machines.
- Sec. 108298. Coaxial cables insulated with ePTFE, non-vapor sealed, of a kind used with deep ultraviolet lithography machines.
- Sec. 108299. Low speed automotive ethernet USB harnesses.
- Sec. 108300. High speed autolink cable USB harnesses.
- Sec. 108301. Insulated electric conductors, of a kind used with extreme ultraviolet lithography machines.

- Sec. 108302. Insulated electric conductors, of a kind used with deep ultraviolet lithography machines.
- Sec. 108303. Insulated electric conductors, of a kind used with optical instruments.
- Sec. 108304. Rings, blocks, and other insulating fittings of quartz.
- Sec. 108305. Front tire splash guards for vehicles.
- Sec. 108306. Rear tire splash guards for vehicles.
- Sec. 108307. Automatic gear boxes.
- Sec. 108308. Suspension systems (struts) for off-highway trucks.
- Sec. 108309. Suspension system stabilizer bars.
- Sec. 108310. Tie rod assemblies.
- Sec. 108311. Used axle housings.
- Sec. 108312. Used parts for power trains.
- Sec. 108313. Front windshield covers.
- Sec. 108314. Expansion chambers.
- Sec. 108315. Bicycle racks for car roofs.
- Sec. 108316. High pressure fuel injector rails.
- Sec. 108317. Stand-up bicycles, having both wheels exceeding 63.5 cm in diameter.
- Sec. 108318. Elliptical cycles, with wheels not exceeding 63.5 cm in diameter.
- Sec. 108319. Bicycle frames, other than of steel, valued \$600 or less.
- Sec. 108320. Internal gear bicycle hubs, other than two or three speeds.
- Sec. 108321. Bicycle pedals other than clipless pedals.
- Sec. 108322. Clipless bicycle pedals and parts thereof.
- Sec. 108323. Carbon fiber bicycle seatposts.
- Sec. 108324. Bicycle handlebar tape, other than silicon or leather tape.
- Sec. 108325. Trailer cycles.
- Sec. 108326. Dropper seatposts.
- Sec. 108327. Bicycle fenders.
- Sec. 108328. Bicycle handlebars.
- Sec. 108329. Multi-functional steel carts.
- Sec. 108330. Non-mechanically propelled industrial hand truck.
- Sec. 108331. Moving dollies.
- Sec. 108332. Paragliders, paraglider wings and paraglider harnesses.
- Sec. 108333. Sailing catamarans and power catamarans.
- Sec. 108334. Projection lenses.
- Sec. 108335. Mounted optical lenses.
- Sec. 108336. Objective lenses for broadcast cameras.
- Sec. 108337. Objective lenses for cinema cameras.
- Sec. 108338. Magnifying spectacles.
- Sec. 108339. LCD television panel assemblies, with a video display measuring over 175.26 cm.
- Sec. 108340. LCD television panel assemblies, with a video display measuring over 149.86 cm but not over 175.26 cm.
- Sec. 108341. LCD television panel assemblies, with a video display measuring over 139.7 cm but not over 149.86 cm.
- Sec. 108342. LCD television panel assemblies, with a video display measuring over 137.16 cm but not over 139.7 cm.
- Sec. 108343. Housings designed for infrared lenses.
- Sec. 108344. Electronic temperature indicators, weighing 14.2 g.
- Sec. 108345. Electronic temperature indicators, weighing 64.4 g.
- Sec. 108346. Electronic temperature indicators, weighing 430 g.
- Sec. 108347. Global cargo trackers, weighing 660 g.
- Sec. 108348. Temperature data monitors, weighing 115 g.
- Sec. 108349. Temperature data monitors, weighing 138.9 g.

- Sec. 108350. Temperature data monitors, weighing 133.2 g.
- Sec. 108351. Parts and accessories of bicycle speedometers.
- Sec. 108352. Wired remote controllers.
- Sec. 108353. Analog/digital wrist watches.
- Sec. 108354. Mechanical wrist watches.
- Sec. 108355. Mechanical wrist watches with leather or other band.
- Sec. 108356. Analog pocket watches.
- Sec. 108357. Projection alarm clocks, non-atomic.
- Sec. 108358. Projection atomic alarm clocks.
- Sec. 108359. Analog wall clocks without thermometer, hygrometer, or barometer gauges.
- Sec. 108360. Analog clocks with thermometer and hygrometer.
- Sec. 108361. Atomic analog wall clocks.
- Sec. 108362. Atomic digital clocks.
- Sec. 108363. Analog kitchen timers.
- Sec. 108364. Wrist watch movements having over one jewel and less than 7 jewels.
- Sec. 108365. Watch movements having over 7 jewels and under 17 jewels.
- Sec. 108366. Watch cases or “bodies” over 41 mm in diameter.
- Sec. 108367. Watch cases or “bodies” not over 41 mm in diameter.
- Sec. 108368. Watch case bezels, backs, and centers.
- Sec. 108369. Watch case parts.
- Sec. 108370. Stainless steel watch bracelets.
- Sec. 108371. Watch dials.
- Sec. 108372. Watch crowns.
- Sec. 108373. Watch hands.
- Sec. 108374. Acoustic guitars.
- Sec. 108375. Console digital pianos.
- Sec. 108376. Grand digital pianos.
- Sec. 108377. Electronic 61-key keyboards.
- Sec. 108378. Electric guitars and acoustic/electric guitars.
- Sec. 108379. Memory foam travel pillows.
- Sec. 108380. Lighting for wall installation.
- Sec. 108381. Decorative bathroom fan assemblies (lighting fixtures) assemblies.
- Sec. 108382. Metal household floor lamps.
- Sec. 108383. Solar powered pathway lights, each measuring between 36.8 cm and 42 cm in height.
- Sec. 108384. Solar powered pathway lights, each measuring between 45 cm and 48 cm in height.
- Sec. 108385. Exterior exit viewing lights, dual beam.
- Sec. 108386. LED flameless candles.
- Sec. 108387. Aquarium LED light strands.
- Sec. 108388. LED light modules for bathroom fans/lights.
- Sec. 108389. Aquarium LED light sticks.
- Sec. 108390. Aquarium LED light strips.
- Sec. 108391. Decorative votive candle holders.
- Sec. 108392. Candle jar shades.
- Sec. 108393. Non-electrical lighting.
- Sec. 108394. Outdoor garden or patio torches of bamboo construction.
- Sec. 108395. Outdoor garden or patio torches of non-bamboo construction.
- Sec. 108396. Indoor oil lamps with base of glass or metal.
- Sec. 108397. Outdoor garden torches for tabletop use.
- Sec. 108398. Glass lens arrays for spotlights.
- Sec. 108399. Lamp shades.

- Sec. 108400. Galvanized steel LED downlight housing frames.
- Sec. 108401. Aluminum cylinders for LED lighting fixtures.
- Sec. 108402. Galvanized steel brackets and plates for LED lighting fixtures.
- Sec. 108403. Aluminum LED downlight reflectors.
- Sec. 108404. Outdoor garden torch replacement canisters.
- Sec. 108405. Iris subassemblies for moving lights.
- Sec. 108406. Zoom modules for automated moving lights.
- Sec. 108407. Golf club heads for fairway woods.
- Sec. 108408. Golf club shafts for putters.
- Sec. 108409. Steel golf club shafts, other than for putters.
- Sec. 108410. Golf club shaft assemblies.
- Sec. 108411. Graphite driver golf club shafts, extra stiff flex.
- Sec. 108412. Graphite hybrid golf club shafts, extra stiff flex.
- Sec. 108413. Graphite irons golf club shafts, extra stiff flex.
- Sec. 108414. Graphite driver golf club shafts, regular, senior, adult, or ladies flex.
- Sec. 108415. Graphite golf club driver shafts, stiff flex.
- Sec. 108416. Graphite hybrid golf club shafts, regular, senior, adult, or ladies flex.
- Sec. 108417. Graphite hybrid golf club shafts, stiff flex.
- Sec. 108418. Graphite irons golf club shafts, regular, senior, adult, or ladies flex.
- Sec. 108419. Graphite irons golf club shafts, stiff flex.
- Sec. 108420. Pickleball paddles.
- Sec. 108421. Pickleballs.
- Sec. 108422. Exercise cycles.
- Sec. 108423. Stationary trainers.
- Sec. 108424. Multimodality fitness equipment, without integrated contact grip heart rate monitor.
- Sec. 108425. Multimodality fitness equipment with integrated power sensor to measure the user's upper body power input.
- Sec. 108426. Parts and accessories for treadmills.
- Sec. 108427. Parts and accessories for ellipticals.
- Sec. 108428. Parts and accessories for stationary exercise cycles.
- Sec. 108429. Parts and accessories for weight training equipment.
- Sec. 108430. Parts and accessories for certain exercise equipment machines.
- Sec. 108431. Lateral elliptical machines.
- Sec. 108432. Adjustable-weight kettlebells.
- Sec. 108433. Adjustable-weight barbell.
- Sec. 108434. Exercise cycles with dual-position handgrips.
- Sec. 108435. Exercise cycles with single handgrips.
- Sec. 108436. Upright exercise cycles.
- Sec. 108437. Recumbent exercise cycles with touchscreen consoles.
- Sec. 108438. Leaning exercise cycles.
- Sec. 108439. Rod gyms, with vertical bench.
- Sec. 108440. Rod and resistance gyms, with flat benches.
- Sec. 108441. Foldable treadmills, with LCD consoles with control keypads.
- Sec. 108442. Foldable treadmills, with touchscreen consoles measuring 44.5 cm or less.
- Sec. 108443. Indoor cycling machines with wireless data touchscreen displays.
- Sec. 108444. Indoor cycling machines with LCD consoles and two water bottle holders.
- Sec. 108445. Indoor cycling machines with LCD consoles and single water bottle holder.
- Sec. 108446. Recumbent elliptical machines.

- Sec. 108447. Fitness equipment combining the functions of an elliptical and a stair stepper, weight over 90 kgs.
- Sec. 108448. Foldable treadmills with touchscreen console greater than 44.4 cm.
- Sec. 108449. Interactive indoor cycling exercise cycles.
- Sec. 108450. Multimodality fitness equipment, with integrated contact grip heart rate monitors.
- Sec. 108451. Fishing reels valued not over \$2.70 each, pre-spooled, with rod and fishing line.
- Sec. 108452. Fishing reels valued not over \$2.70 each.
- Sec. 108453. Hard artificial crankbaits.
- Sec. 108454. Collapsible big game decoys.
- Sec. 108455. Vacuum steel hinged lid pitchers, not exceeding 1 liter.
- Sec. 108456. Vacuum insulated drinkware having a capacity exceeding 1 liter but not exceeding 2 liters.
- Sec. 108457. Vacuum insulated drinkware having a capacity exceeding 2 liters but not exceeding 4 liters.
- Sec. 108458. Vacuum glass lined steel coffee servers over 2 liters.
- Sec. 108459. Vacuum glass lined steel coffee servers over 2 liters with lever dispensing.

Subtitle B—Existing Duty Suspensions and Reductions

- Sec. 108460. Extension of certain existing duty suspensions and reductions and other modifications.

Subtitle C—Effective Date and Technical Corrections Authority

- Sec. 108461. Effective date.
- Sec. 108462. Authority to make technical and conforming changes.

DIVISION L—COMMITTEE ON TRANSPORTATION AND INFRASTRUCTURE

- Sec. 110001. Recompete pilot program.

1 **DIVISION A—CREATING HELP-**
 2 **FUL INCENTIVES TO**
 3 **PRODUCE SEMICONDUCTORS**
 4 **(CHIPS) FOR AMERICA FUND**

5 **SEC. 10001. CREATING HELPFUL INCENTIVES TO PRODUCE**
 6 **SEMICONDUCTORS (CHIPS) FOR AMERICA**
 7 **FUND.**

8 (a) CHIPS FOR AMERICA FUND.—

- 9 (1) ESTABLISHMENT.—There is established in
- 10 the Treasury of the United States a fund to be

1 known as the “Creating Helpful Incentives to
2 Produce Semiconductors (CHIPS) for America
3 Fund” (referred to in this subsection as the
4 “Fund”) for the Secretary of Commerce to carry out
5 sections 9902 and 9906 of the William M. (Mac)
6 Thornberry National Defense Authorization Act for
7 Fiscal Year 2021 (Public Law 116–283). Amounts
8 in the Fund to carry out section 9906 of Public Law
9 116–283 shall be transferred to and merged with ac
10 counts within the Department of Commerce to be
11 used for such purposes.

12 (2) APPROPRIATION.—

13 (A) In addition to amounts otherwise avail-
14 able for such purposes, there is appropriated to
15 the Fund established in subsection (a)(1), out
16 of amounts in the Treasury not otherwise ap-
17 propriated—

18 (i) for fiscal year 2022,
19 \$24,000,000,000, to remain available until
20 expended, of which \$19,000,000,000 shall
21 be for section 9902 of Public Law 116–
22 283, \$2,000,000,000 shall be for sub-
23 section (c) of section 9906 of Public Law
24 116–283, \$2,500,000,000 shall be for sub-
25 section (d) of section 9906 of Public Law

1 116–283, and \$500,000,000 shall be for
2 subsections (e) and (f) of section 9906 of
3 Public Law 116–283;

4 (ii) for fiscal year 2023,
5 \$7,000,000,000 to remain available until
6 expended, of which \$5,000,000,000 shall
7 be for section 9902 of Public Law 116–
8 283 and \$2,000,000,000 shall be for sub-
9 sections (c), (d), (e), and (f) of section
10 9906 of Public Law 116–283;

11 (iii) for fiscal year 2024,
12 \$6,300,000,000, to remain available until
13 expended, of which \$5,000,000,000 shall
14 be for section 9902 of Public Law 116–
15 283 and \$1,300,000,000 shall be for sub-
16 sections (c), (d), (e), and (f) of section
17 9906 of Public Law 116–283;

18 (iv) for fiscal year 2025,
19 \$6,100,000,000, to remain available until
20 expended, of which \$5,000,000,000 shall
21 be for section 9902 of Public Law 116–
22 283 and \$1,100,000,000 shall be for sub-
23 sections (c), (d), (e), and (f) of section
24 9906 of Public Law 116–283; and

1 (v) for fiscal year 2026,
2 \$6,800,000,000, to remain available until
3 expended, of which \$5,000,000,000 shall
4 be for section 9902 of Public Law 116–
5 283 and \$1,800,000,000 shall be for sub-
6 sections (c), (d), (e), and (f) of section
7 9906 of Public Law 116–283.

8 (B) The Secretary of Commerce may
9 use—

10 (i) up to \$6,000,000,000 of the
11 amounts made available for fiscal year
12 2022 for section 9902 of Public Law 116–
13 283 for the cost of direct loans and loan
14 guarantees, as authorized by section 9902
15 of Public Law 116–283, provided that—

16 (I) such costs, including the cost
17 of modifying such loans and loan
18 guarantees shall be as defined in sec-
19 tion 502 of the Congressional Budget
20 Act of 1974; and

21 (II) these funds are available to
22 subsidize gross obligations for the
23 principal amount of direct loans and
24 total loan principal, any part of which

1 is to be guaranteed, not to exceed
2 \$75,000,000,000; and

3 (ii) up to 2 percent of the amounts
4 made available in each fiscal year for sala-
5 ries and expenses, administration, and
6 oversight purposes to carry out sections
7 9902, 9904 and 9906 of Public Law 116-
8 283, of which \$5,000,000 in each of fiscal
9 years 2022 through 2026 shall be trans-
10 ferred to the Office of Inspector General of
11 the Department of Commerce to oversee
12 expenditures from the Fund. The require-
13 ment to transfer and merge funds for car-
14 rying out section 9906 of Public Law 116-
15 283 shall not apply to amounts used pur-
16 suant to this provision.

17 (3) ASSISTANCE FOR MATURE TECHNOLOGY
18 NODES.—

19 (A) Of the amount available in fiscal year
20 2022 to implement section 9902 of Public Law
21 116-283, \$2,000,000,000 shall be to provide
22 Federal financial assistance to covered entities
23 to incentivize investment in facilities and equip-
24 ment in the United States for the fabrication,

1 assembly, testing, or advanced packaging of
2 semiconductors at mature technology nodes.

3 (B) In addition to the procedures, eligi-
4 bility, and considerations for review specified in
5 subsection 9902(a)(2) of Public Law 116–283,
6 in order for an entity to qualify to receive Fed-
7 eral financial assistance under this paragraph,
8 the covered entity shall—

9 (i)(I) provide equipment or materials
10 for the fabrication, assembly, testing, or
11 advanced packaging of semiconductors at
12 mature technology nodes in the United
13 States; or

14 (II) fabricate, assemble using ad-
15 vanced packaging, or test semiconductors
16 at mature technology nodes in the United
17 States; and

18 (ii) commit to using any Federal fi-
19 nancial assistance received under this sec-
20 tion to increase the production of semi-
21 conductors at mature technology nodes.

22 (C) In addition to the considerations de-
23 scribed in subsection 9902(a)(2)(C) of Public
24 Law 116–283, in granting Federal financial as-
25 sistance under this paragraph, the Secretary

1 may consider whether a covered entity produces
2 or supplies equipment or materials used in the
3 fabrication, assembly, testing, or advanced
4 packaging of semiconductors at mature tech-
5 nology nodes that are necessary to support a
6 critical manufacturing industry.

7 (D) In awarding Federal financial assist-
8 ance to covered entities under this paragraph,
9 the Secretary shall give priority to covered enti-
10 ties that support the resiliency of semiconductor
11 supply chains for critical manufacturing indus-
12 tries in the United States.

13 (E) In this paragraph, the term “critical
14 manufacturing industry”—

15 (i) means an industry that is assigned
16 a North American Industry Classification
17 System code beginning with 31, 32, or 33,
18 and for which the industry components
19 that are assigned a North American Indus-
20 try Classification System code beginning
21 with the same 4 digits as the industry—

22 (I) manufacture primary prod-
23 ucts and parts, the sum of which ac-
24 count for not less than 5 percent of
25 the manufacturing value added by in-

1 industry gross domestic product of the
2 United States; and

3 (II) employ individuals for pri-
4 mary products and parts manufac-
5 turing activities that, combined, ac-
6 count for not less than 5 percent of
7 manufacturing employment in the
8 United States; and

9 (ii) may include any other manufac-
10 turing industry designated by the Sec-
11 retary based on the relevance of the manu-
12 facturing industry to the national and eco-
13 nomic security of the United States, in-
14 cluding the impacts of job losses.

15 (F) In this paragraph, the term “mature
16 technology node” has the meaning given the
17 term by the Secretary of Commerce.

18 (4) ALLOCATION AUTHORITY.—

19 (A) SUBMISSION OF COST ESTIMATES.—
20 The President shall submit to Congress detailed
21 account, program, and project allocations of the
22 full amount made available under subsection
23 (a)(2)—

1 (i) for fiscal years 2022 and 2023, not
2 later than 90 days after the date of enact-
3 ment of this Act; and

4 (ii) for each subsequent fiscal year
5 through 2026, as part of the annual budg-
6 et submission of the President under sec-
7 tion 1105(a) of title 31, United States
8 Code.

9 (B) ALTERNATE ALLOCATION.—

10 (i) IN GENERAL.—The Committees on
11 Appropriations of the House of Represent-
12 atives and the Senate may provide for al-
13 ternate allocation of amounts made avail-
14 able under subsection (a)(2), including by
15 account, program, and project.

16 (ii) ALLOCATION BY PRESIDENT.—

17 (I) NO ALTERNATE ALLOCA-
18 TIONS.—If Congress has not enacted
19 legislation establishing alternate allo-
20 cations, including by account, pro-
21 gram, and project, by the date on
22 which the Act making full-year appro-
23 priations for the Department of Com-
24 merce, Justice, Science, and Related
25 Agencies for the applicable fiscal year

1 is enacted into law, only then shall
2 amounts made available under sub-
3 section (a)(2) be allocated by the
4 President or apportioned or allotted
5 by account, program, and project pur-
6 suant to title 31, United States Code.

7 (II) INSUFFICIENT ALTERNATE
8 ALLOCATION.—If Congress enacts leg-
9 islation establishing alternate alloca-
10 tions, including by account, program,
11 and project, for amounts made avail-
12 able under subsection (a)(2) that are
13 less than the full amount appropriated
14 under that subsection, the difference
15 between the amount appropriated and
16 the alternate allocation shall be allo-
17 cated by the President and appor-
18 tioned and allotted by account, pro-
19 gram, and project pursuant to title
20 31, United States Code.

21 (b) CHIPS FOR AMERICA DEFENSE FUND.—

22 (1) ESTABLISHMENT.—There is established in
23 the Treasury of the United States a fund to be
24 known as the “Creating Helpful Incentives to
25 Produce Semiconductors (CHIPS) for America De-

1 fense Fund” (referred to in this subsection as the
2 “Fund”) to provide for research, development, test
3 and evaluation, workforce development, and other re-
4 quirements that are unique to the Department of
5 Defense and the intelligence community, including
6 those requirements that are necessary to carry out
7 section 9903(b) of the William M. (Mac) Thornberry
8 National Defense Authorization Act for Fiscal Year
9 2021 (Public Law 116–283). Amounts in the Fund
10 shall be transferred to and merged with accounts
11 within the Department of Defense to be used for
12 such purposes. Amounts in the Fund or transferred
13 to and merged with accounts within the Department
14 of Defense may not be used for construction of fa-
15 cilities.

16 (2) APPROPRIATION.—In addition to amounts
17 otherwise available for such purposes, there is appro-
18 priated to the Fund established in subsection (b)(1),
19 out of amounts in the Treasury not otherwise appro-
20 priated—

21 (A) for fiscal year 2022, \$400,000,000, to
22 remain available until September 30, 2022;

23 (B) for fiscal year 2023, \$400,000,000, to
24 remain available until September 30, 2023;

1 (C) for fiscal year 2024, \$400,000,000, to
2 remain available until September 30, 2024;

3 (D) for fiscal year 2025, \$400,000,000, to
4 remain available until September 30, 2025; and

5 (E) for fiscal year 2026, \$400,000,000, to
6 remain available until September 30, 2026.

7 (3) ALLOCATION AUTHORITY.—

8 (A) SUBMISSION OF COST ESTIMATES.—

9 The President shall submit to Congress detailed
10 account, program element, and project alloca-
11 tions of the full amount made available under
12 subsection (b)(2)—

13 (i) for fiscal year 2022, not later than
14 90 days after the date of enactment of this
15 Act; and

16 (ii) for each fiscal year through 2026,
17 as part of the annual budget submission of
18 the President under section 1105(a) of
19 title 31, United States Code.

20 (B) ALTERNATE ALLOCATION.—

21 (i) IN GENERAL.—The Committees on
22 Appropriations of the House of Represent-
23 atives and the Senate may provide for al-
24 ternate allocation of amounts made avail-

1 able under subsection (b)(2), including by
2 account, program element, and project.

3 (ii) ALLOCATION BY PRESIDENT.—

4 (I) NO ALTERNATE ALLOCA-
5 TIONS.—If Congress has not enacted
6 legislation establishing alternate allo-
7 cations, including by account, pro-
8 gram element, and project, by the
9 date on which the Act making full-
10 year appropriations for the Depart-
11 ment of Defense for the applicable fis-
12 cal year is enacted into law, only then
13 shall amounts made available under
14 subsection (b)(2) be allocated by the
15 President or apportioned or allotted
16 by account, program element, and
17 project pursuant to title 31, United
18 States Code.

19 (II) INSUFFICIENT ALTERNATE
20 ALLOCATION.—If Congress enacts leg-
21 islation establishing alternate alloca-
22 tions, including by account, program
23 element, and project, for amounts
24 made available under subsection
25 (b)(2) that are less than the full

1 amount appropriated under that sub-
2 section, the difference between the
3 amount appropriated and the alter-
4 nate allocation shall be allocated by
5 the President and apportioned and al-
6 lotted by account, program element,
7 and project pursuant to title 31,
8 United States Code.

9 (c) CHIPS FOR AMERICA INTERNATIONAL TECH-
10 NOLOGY SECURITY AND INNOVATION FUND.—

11 (1) ESTABLISHMENT.—There is established in
12 the Treasury of the United States a fund to be
13 known as the “Creating Helpful Incentives to
14 Produce Semiconductors (CHIPS) for America
15 International Technology Security and Innovation
16 Fund” (referred to in this subsection as the
17 “Fund”) to provide for international information
18 and communications technology security and semi-
19 conductor supply chain activities, including to sup-
20 port the development and adoption of secure and
21 trusted telecommunications technologies, secure
22 semiconductors, secure semiconductors supply
23 chains, and other emerging technologies and to carry
24 out sections 9905 and 9202(a)(2) of the William M.
25 (Mac) Thornberry National Defense Authorization

1 Act for Fiscal Year 2021 (Public Law 116–283), as
2 appropriate. Amounts in the Fund shall be trans-
3 ferred by the Secretary of State to accounts within
4 the Department of State, the United States Agency
5 for International Development, the Export-Import
6 Bank, and the United States International Develop-
7 ment Finance Corporation, as appropriate, to be
8 used for such purposes and under the terms and
9 conditions of the account to which transferred.

10 (2) APPROPRIATION.—

11 (A) In addition to amounts otherwise avail-
12 able for such purposes, there is appropriated to
13 the Fund established in subsection (c)(1), out
14 of amounts in the Treasury not otherwise ap-
15 propriated—

16 (i) for fiscal year 2022, \$100,000,000,
17 to remain available until September 30,
18 2026;

19 (ii) for fiscal year 2023,
20 \$100,000,000, to remain available until
21 September 30, 2027;

22 (iii) for fiscal year 2024,
23 \$100,000,000, to remain available until
24 September 30, 2028;

1 (iv) for fiscal year 2025,
2 \$100,000,000, to remain available until
3 September 30, 2029; and

4 (v) for fiscal year 2026,
5 \$100,000,000, to remain available until
6 September 30, 2030.

7 (B) In carrying out this subsection, the
8 Secretary of State may use up to \$5,000,000 of
9 the amounts made available in each fiscal year
10 for the Fund for salaries and expenses, admin-
11 istration, and oversight purposes, of which
12 \$500,000 in each of fiscal years 2022 through
13 2026 shall be transferred to the Office of In-
14 spector General of the Department of State to
15 oversee expenditures under the Fund.

16 (3) ALLOCATION AUTHORITY.—

17 (A) SUBMISSION OF COST ESTIMATES.—
18 The President shall submit to Congress detailed
19 account, program, project, and activity alloca-
20 tions of the full amount made available under
21 subsection (c)(2)—

22 (i) for fiscal year 2022, not later than
23 90 days after the date of enactment of this
24 Act; and

1 (ii) for each fiscal year through 2026,
2 as part of the annual budget submission of
3 the President under section 1105(a) of
4 title 31, United States Code.

5 (B) ALTERNATE ALLOCATION.—

6 (i) IN GENERAL.—The Committees on
7 Appropriations of the House of Represent-
8 atives and the Senate may provide for al-
9 ternate allocation of amounts made avail-
10 able under subsection (c)(2), including by
11 account, program, project, and activity.

12 (ii) ALLOCATION BY PRESIDENT.—

13 (I) NO ALTERNATE ALLOCA-
14 TIONS.—If Congress has not enacted
15 legislation establishing alternate allo-
16 cations, including by account, pro-
17 gram, project, and activity, by the
18 date on which the Act making full-
19 year appropriations for the Depart-
20 ment of State, Foreign Operations,
21 and Related Programs for the applica-
22 ble fiscal year is enacted into law,
23 only then shall amounts made avail-
24 able under subsection (c)(2) be allo-
25 cated by the President or apportioned

1 or allotted by account, program,
2 project, and activity pursuant to title
3 31, United States Code.

4 (II) INSUFFICIENT ALTERNATE
5 ALLOCATION.—If Congress enacts leg-
6 islation establishing alternate alloca-
7 tions, including by account, program,
8 project, and activity, for amounts
9 made available under subsection
10 (c)(2) that are less than the full
11 amount appropriated under that sub-
12 section, the difference between the
13 amount appropriated and the alter-
14 nate allocation shall be allocated by
15 the President and apportioned and al-
16 lotted by account, program, project,
17 and activity pursuant to title 31,
18 United States Code.

19 (d) SEQUESTRATION.—Section 255(g)(1)(A) of the
20 Balanced Budget and Emergency Deficit Control Act of
21 1985 (2 U.S.C. 905(g)(1)(A)) is amended by inserting
22 after “Continuing Fund, Southwestern Power Administra-
23 tion (89–5649–0–2–271).” the following:

24 “Creating Helpful Incentives to Produce
25 Semiconductors (CHIPS) for America Fund.

1 “Creating Helpful Incentives to Produce
2 Semiconductors (CHIPS) for America Defense
3 Fund.

4 “Creating Helpful Incentives to Produce
5 Semiconductors (CHIPS) for America Inter-
6 national Technology Security and Innovation
7 Fund.”.

8 (e) STATUTORY PAYGO SCORECARDS.—The budg-
9 etary effects of this section shall not be entered on either
10 PAYGO scorecard maintained pursuant to section 4(d) of
11 the Statutory Pay-As-You-Go Act of 2010.

12 **SEC. 10002. SEMICONDUCTOR INCENTIVES.**

13 (a) DEFINITIONS.—Section 9901 of the William M.
14 (Mac) Thornberry National Defense Authorization Act for
15 Fiscal Year 2021 (Public Law 116–283) is amended—

16 (1) in paragraph (2)—

17 (A) by inserting “production,” before “or
18 research and development”; and

19 (B) by striking “of semiconductors.” and
20 inserting “of semiconductors, materials used to
21 manufacture semiconductors, or semiconductor
22 manufacturing equipment.”;

23 (2) by redesignating paragraphs (4), (5), (6),
24 (7), (8), and (9) as paragraphs (5), (6), (7), (8),
25 (10), and (11), respectively;

1 (3) by inserting after paragraph (3) the fol-
2 lowing:

3 “(4) The term ‘critical manufacturing indus-
4 try’—

5 “(A) means an industry—

6 “(i) that is assigned a North Amer-
7 ican Industry Classification System code
8 beginning with 31, 32, or 33; and

9 “(ii) for which the industry compo-
10 nents that are assigned a North American
11 Industry Classification System code begin-
12 ning with the same 4 digits as the indus-
13 try—

14 “(I) manufacture primary prod-
15 ucts and parts, the sum of which ac-
16 count for not less than 5 percent of
17 the manufacturing value added by in-
18 dustry gross domestic product of the
19 United States; and

20 “(II) employ individuals for pri-
21 mary products and parts manufac-
22 turing activities that, combined, ac-
23 count for not less than 5 percent of
24 manufacturing employment in the
25 United States; and

1 “(B) may include any other manufacturing
2 industry designated by the Secretary based on
3 the relevance of the manufacturing industry to
4 the national and economic security of the
5 United States, including the impacts of job
6 losses.”; and

7 (4) by inserting after paragraph (8), as so re-
8 designated, the following:

9 “(9) The term ‘mature technology node’ has the
10 meaning given the term by the Secretary.”.

11 (b) SEMICONDUCTOR PROGRAM.—Section 9902 of
12 the William M. (Mac) Thornberry National Defense Au-
13 thorization Act for Fiscal Year 2021 (Public Law 116-
14 283) is amended—

15 (1) in subsection (a)(1)—

16 (A) by striking “for semiconductor fabrica-
17 tion” and inserting “for the fabrication”;

18 (B) by inserting “production,” before “or
19 research and development”; and

20 (C) by striking the period at the end and
21 inserting “of semiconductors, materials used to
22 manufacture semiconductors, or semiconductor
23 manufacturing equipment.”; and

24 (2) in subsection (a)(2)—

25 (A) in subparagraph (B)(ii)—

1 (i) in subclause (III), by striking
2 “and” at the end;

3 (ii) in subclause (IV), by striking the
4 period at the end and inserting “and”; and

5 (iii) by adding at the end the fol-
6 lowing:

7 “(V) determined—

8 “(aa) the type of semicon-
9 ductor technology the covered en-
10 tity will produce at the facility
11 described in clause (i); and

12 “(bb) the customers to
13 which the covered entity plans to
14 sell the semiconductor technology
15 described in item (aa).”;

16 (B) in subparagraph (C)—

17 (i) in clause (i)—

18 (I) in subclause (II), by striking
19 “is in the interest of the United
20 States” and inserting “is in the eco-
21 nomic and national security interests
22 of the United States”; and

23 (II) in subclause (III), by strik-
24 ing “and” at the end;

1 (ii) in clause (ii)(IV), by striking
2 “and” at the end;

3 (iii) by redesignating clause (iii) as
4 clause (iv); and

5 (iv) by inserting after clause (ii) the
6 following:

7 “(iii) the Secretary shall consider the
8 type of semiconductor technology produced
9 by the covered entity and whether that
10 semiconductor technology advances the
11 economic and national security interests of
12 the United States; and”;

13 (C) by redesignating subparagraph (D) as
14 subparagraph (E); and

15 (D) by inserting after subparagraph (C)
16 the following:

17 “(D) PRIORITY.—In awarding Federal fi-
18 nancial assistance to covered entities under sub-
19 section (a), the Secretary shall give priority to
20 ensuring that a covered entity receiving finan-
21 cial assistance will—

22 “(i) manufacture semiconductors nec-
23 essary to address gaps and vulnerabilities
24 in the domestic supply chain across a di-

1 verse range of technology and process
2 nodes; and

3 “(ii) provide a secure supply of semi-
4 conductors necessary for the national secu-
5 rity, manufacturing, critical infrastructure,
6 and technology leadership of the United
7 States and other essential elements of the
8 economy of the United States.”;

9 (3) in paragraph (4)(A), by striking “used for
10 semiconductors” and inserting “used for the pur-
11 poses”; and

12 (4) by adding at the end the following:

13 “(d) SENSE OF CONGRESS.—It is the sense of Con-
14 gress that, in carrying out subsection (a), the Secretary
15 should allocate funds in a manner that—

16 “(1) strengthens the security and resilience of
17 the semiconductor supply chain, including by miti-
18 gating gaps and vulnerabilities;

19 “(2) provides a supply of secure semiconductors
20 relevant for national security;

21 “(3) strengthens the leadership of the United
22 States in semiconductor technology;

23 “(4) grows the economy of the United States
24 and supports job creation in the United States; and

1 “(5) improves the resiliency of the semicon-
2 ductor supply chains of critical manufacturing in-
3 dustries.

4 “(e) ADDITIONAL ASSISTANCE FOR MATURE TECH-
5 NOLOGY NODES.—

6 “(1) IN GENERAL.—The Secretary shall estab-
7 lish within the program established under subsection
8 (a) an additional program that provides Federal fi-
9 nancial assistance to covered entities to incentivize
10 investment in facilities and equipment in the United
11 States for the fabrication, assembly, testing, or ad-
12 vanced packaging of semiconductors at mature tech-
13 nology nodes.

14 “(2) ELIGIBILITY AND REQUIREMENTS.—In
15 order for an entity to qualify to receive Federal fi-
16 nancial assistance under this subsection, the covered
17 entity shall—

18 “(A) submit an application under sub-
19 section (a)(2)(A);

20 “(B) meet the eligibility requirements
21 under subsection (a)(2)(B);

22 “(C)(i) provide equipment or materials for
23 the fabrication, assembly, testing, or advanced
24 packaging of semiconductors at mature tech-
25 nology nodes in the United States; or

1 “(ii) fabricate, assemble using advanced
2 packaging, or test semiconductors at mature
3 technology nodes in the United States;

4 “(D) commit to using any Federal finan-
5 cial assistance received under this section to in-
6 crease the production of semiconductors at ma-
7 ture technology nodes; and

8 “(E) be subject to the considerations de-
9 scribed in subsection (a)(2)(C).

10 “(3) PROCEDURES.—In granting Federal finan-
11 cial assistance to covered entities under this sub-
12 section, the Secretary may use the procedures estab-
13 lished under subsection (a).

14 “(4) CONSIDERATIONS.—In addition to the con-
15 siderations described in subsection (a)(2)(C), in
16 granting Federal financial assistance under this sub-
17 section, the Secretary may consider whether a cov-
18 ered entity produces or supplies equipment or mate-
19 rials used in the fabrication, assembly, testing, or
20 advanced packaging of semiconductors at mature
21 technology nodes that are necessary to support a
22 critical manufacturing industry.

23 “(5) PRIORITY.—In awarding Federal financial
24 assistance to covered entities under this subsection,
25 the Secretary shall give priority to covered entities

1 that support the resiliency of semiconductor supply
2 chains for critical manufacturing industries in the
3 United States.

4 “(6) AUTHORIZATION OF APPROPRIATIONS.—
5 There are authorized to be appropriated to the Sec-
6 retary to carry out this subsection \$2,000,000,000,
7 which shall remain available until expended.

8 “(f) CONSTRUCTION PROJECTS.—Section 602 of the
9 Public Works and Economic Development Act of 1965 (42
10 U.S.C. 3212) shall apply to a construction project that
11 receives financial assistance from the Secretary under this
12 section.”.

13 (c) ADVANCED MICROELECTRONICS RESEARCH AND
14 DEVELOPMENT.—Section 9906 of the William M. (Mac)
15 Thornberry National Defense Authorization Act for Fiscal
16 Year 2021 (Public Law 116–283) is amended by adding
17 at the end the following:

18 “(h) INFRASTRUCTURE GRANTS.—Section 602 of the
19 Public Works and Economic Development Act of 1965 (42
20 U.S.C. 3212) shall apply to a construction project that
21 receives financial assistance from the Secretary under this
22 section.”.

23 (d) LOAN GUARANTEE AUTHORITIES.—Section 9902
24 of the William M. (Mac) Thornberry National Defense Au-

1 thORIZATION Act for Fiscal Year 2021 (Public Law 116–
2 283) is amended by adding at the end the following:

3 “(d) LOANS AND LOAN GUARANTEES.—Subject to
4 the requirements of subsection (a) of this section, the Sec-
5 retary of Commerce is authorized to make or guarantee
6 loans to covered entities as financial assistance under this
7 section. Loans made or guaranteed under this section will
8 be on such terms and conditions as the Secretary may pre-
9 scribe.”.

10 (e) ADMINISTRATIVE CHANGES.—Section 9906 of the
11 William M. (Mac) Thornberry National Defense Author-
12 ization Act for Fiscal Year 2021 (Public Law 116–283)
13 is amended—

14 (1) in subsection (c)(1) by adding at the end
15 the following: “The Secretary may make financial
16 assistance awards in support of the center.”;

17 (2) in subsection (c)(2)(B) by inserting “and
18 capitalize” before “an investment fund”;

19 (3) in subsection (d) by—

20 (A) striking “the Manufacturing USA in-
21 stitute” and inserting “a Manufacturing USA
22 institute”; and

23 (B) adding to the end the following: “The
24 Director may make financial assistance awards
25 in support of the Program.”; and

1 (4) in subsection (f) by—

2 (A) striking “a Manufacturing USA Insti-
3 tute” and inserting “one or more Manufac-
4 turing USA Institutes”;

5 (B) striking “is focused on semiconductor
6 manufacturing” and inserting “are focused on
7 semiconductor manufacturing”;

8 (C) inserting “The Secretary may also pro-
9 vide financial assistance to any Manufacturing
10 USA institute for work related to semicon-
11 ductor manufacturing.” after “focused on semi-
12 conductor manufacturing.”; and

13 (D) striking “Such institute may empha-
14 size” and inserting “Such institutes may em-
15 phasize”.

16 (f) **ADDITIONAL AUTHORITIES.**—The William M.
17 (Mac) Thornberry National Defense Authorization Act for
18 Fiscal Year 2021 (Public Law 116–283) is amended by
19 adding at the end the following:

20 **“SEC. 9909. ADDITIONAL AUTHORITIES.**

21 “In carrying out the responsibilities of the Depart-
22 ment of Commerce under this Act, the Secretary of Com-
23 merce may—

24 “(1) enter into agreements, including contracts,
25 grants and cooperative agreements, and other trans-

1 actions as may be necessary and on such terms as
2 the Secretary considers appropriate;

3 “(2) make advance payments under agreements
4 and other transactions authorized by paragraph (1)
5 without regard to section 3324 of title 31, United
6 States Code;

7 “(3) include a clause that requires a person or
8 other entity to make payments to the Department of
9 Commerce as a condition for receiving support
10 through an award of assistance or other transaction,
11 and any funds received shall be credited to and
12 merged with the account from which such support
13 was made;

14 “(4) procure temporary and intermittent serv-
15 ices of experts and consultants in accordance with
16 section 3109 of title 5, United States Code;

17 “(5) notwithstanding section 3104 of title 5,
18 United States Code, or the provisions of any other
19 law relating to the appointment, number, classifica-
20 tion, or compensation of employees, make appoint-
21 ments of scientific, engineering, and professional
22 personnel, and fix the basic pay of such personnel at
23 a rate to be determined by the Secretary at rates not
24 in excess of the highest total annual compensation
25 payable at the rate determined under section 104 of

1 title 3, United States Code, except that the Sec-
2 retary shall appoint not more than 25 personnel
3 under this paragraph; and

4 “(6) with the consent of another Federal agen-
5 cy, enter into an agreement with that Federal agen-
6 cy to utilize, with or without reimbursement, any
7 service, equipment, personnel, or facility of that Fed-
8 eral agency.”.

9 (g) CONFORMING AMENDMENT.—The analysis for
10 the William M. (Mac) Thornberry National Defense Au-
11 thorization Act for Fiscal Year 2021 (Public Law 116–
12 283) is amended by adding after the item relating to sec-
13 tion 9908 the following:

“9909. Additional authorities.”.

14 **DIVISION B—RESEARCH AND**
15 **INNOVATION**
16 **TITLE I—DEPARTMENT OF EN-**
17 **ERGY SCIENCE FOR THE FU-**
18 **TURE**

19 **SEC. 10101. MISSION OF THE OFFICE OF SCIENCE.**

20 Section 209 of the Department of Energy Organiza-
21 tion Act (42 U.S.C. 7139) is amended by adding at the
22 end the following:

23 “(d) USER FACILITIES.—The Director shall carry
24 out the construction, operation, and maintenance of user
25 facilities to support the mission described in subsection

1 (c). As practicable, these facilities shall serve the needs
2 of the Department, industry, the academic community,
3 and other relevant entities for the purposes of advancing
4 the missions of the Department, improving the competi-
5 tiveness of the United States, protecting public health and
6 safety, and addressing other national priorities including
7 emergencies.

8 “(e) COORDINATION.—

9 “(1) IN GENERAL.—The Secretary—

10 “(A) shall ensure the coordination of the
11 Office of Science with the other activities of the
12 Department;

13 “(B) shall support joint activities among
14 the programs of the Department;

15 “(C) shall coordinate with other relevant
16 Federal agencies in supporting advancements in
17 related research areas as appropriate; and

18 “(D) may form partnerships to enhance
19 the utilization of and ensure access to user fa-
20 cilities by other Federal agencies.

21 “(2) OFFICE OF SCIENCE.—The Director—

22 “(A) shall ensure the coordination of pro-
23 grams and activities carried out by the Office of
24 Science; and

1 “(B) shall direct all programs which have
2 not recently completed a future planning road-
3 map consistent with the funding of such pro-
4 grams authorized under the America COM-
5 PETES Act of 2022 to complete such a road-
6 map.”.

7 **SEC. 10102. BASIC ENERGY SCIENCES PROGRAM.**

8 (a) DEPARTMENT OF ENERGY RESEARCH AND INNO-
9 VATION ACT.—Section 303 of the Department of Energy
10 Research and Innovation Act (42 U.S.C. 18641) is amend-
11 ed—

12 (1) by redesignating subsections (a) through (e)
13 as subsections (c) through (g), respectively; and

14 (2) by inserting before subsection (c), as so re-
15 designated, the following:

16 “(a) PROGRAM.—As part of the activities authorized
17 under section 209 of the Department of Energy Organiza-
18 tion Act (42 U.S.C. 7139), the Director shall carry out
19 a research and development program in basic energy
20 sciences, including materials sciences and engineering,
21 chemical sciences, physical biosciences, geosciences, and
22 other disciplines, to understand, model, and control matter
23 and energy at the electronic, atomic, and molecular levels
24 in order to provide the foundations for new energy tech-
25 nologies, address scientific grand challenges, and support

1 the energy, environment, and national security missions
2 of the Department.

3 “(b) SUSTAINABLE CHEMISTRY.—In carrying out
4 chemistry-related research and development activities
5 under this section, the Director shall prioritize research
6 and development of sustainable chemistry to support
7 clean, safe, and economic alternatives and methodologies
8 to traditional chemical products and processes.”;

9 (3) in subsection (d), as so redesignated—

10 (A) in paragraph (3)—

11 (i) subparagraph (C), by striking
12 “and” at the end;

13 (ii) by redesignating subparagraph
14 (D) as subparagraph (E); and

15 (iii) by inserting after subparagraph
16 (C) the following:

17 “(D) autonomous chemistry and materials
18 synthesis and characterization facilities that le-
19 verage advances in artificial intelligence; and”;
20 and

21 (B) by adding at the end the following:

22 “(4) ADVANCED PHOTON SOURCE UPGRADE.—

23 “(A) DEFINITIONS.—In this paragraph:

24 “(i) FLUX.—The term ‘flux’ means
25 the rate of flow of photons.

1 “(ii) **HARD X-RAY.**—The term ‘hard
2 x-ray’ means a photon with energy greater
3 than 20 kiloelectron volts.

4 “(B) **IN GENERAL.**—The Secretary shall
5 provide for the upgrade to the Advanced Pho-
6 ton Source described in the publication ap-
7 proved by the Basic Energy Sciences Advisory
8 Committee on June 9, 2016, titled ‘Report on
9 Facility Upgrades’, including the development
10 of a multi-bend achromat lattice to produce a
11 high flux of coherent x-rays within the hard x-
12 ray energy region and a suite of beamlines opti-
13 mized for this source.

14 “(C) **START OF OPERATIONS.**—The Sec-
15 retary shall, subject to the availability of appro-
16 priations, ensure that the start of full oper-
17 ations of the upgrade under this paragraph oc-
18 curs before March 31, 2026.

19 “(D) **FUNDING.**—Out of funds authorized
20 to be appropriated under subsection (j), there
21 shall be made available to the Secretary to
22 carry out the upgrade under this paragraph
23 \$101,000,000 for fiscal year 2022 and
24 \$56,000,000 for fiscal year 2023.

1 “(5) SPALLATION NEUTRON SOURCE PROTON
2 POWER UPGRADE.—

3 “(A) IN GENERAL.—The Secretary shall
4 provide for the proton power upgrade to the
5 Spallation Neutron Source.

6 “(B) PROTON POWER UPGRADE DE-
7 FINED.—For the purposes of this paragraph,
8 the term ‘proton power upgrade’ means the
9 Spallation Neutron Source power upgrade de-
10 scribed in—

11 “(i) the publication titled ‘Facilities
12 for the Future of Science: A Twenty-Year
13 Outlook’, published by the Office of
14 Science of the Department of Energy in
15 December, 2003;

16 “(ii) the publication titled ‘Four Years
17 Later: An Interim Report on Facilities for
18 the Future of Science: A Twenty-Year
19 Outlook’, published by the Office of
20 Science of the Department of Energy in
21 August, 2007; and

22 “(iii) the publication approved by the
23 Basic Energy Sciences Advisory Committee
24 on June 9, 2016, titled ‘Report on Facility
25 Upgrades’.

1 “(C) START OF OPERATIONS.—The Sec-
2 retary shall, subject to the availability of appro-
3 priations, ensure that the start of full oper-
4 ations of the upgrade under this paragraph oc-
5 curs before July 30, 2028, with the option for
6 early operation in 2025.

7 “(D) FUNDING.—Out of funds authorized
8 to be appropriated under subsection (j), there
9 shall be made available to the Secretary to
10 carry out the upgrade under this paragraph
11 \$49,800,000 for fiscal year 2022.

12 “(6) SPALLATION NEUTRON SOURCE SECOND
13 TARGET STATION.—

14 “(A) IN GENERAL.—The Secretary shall
15 provide for a second target station for the
16 Spallation Neutron Source.

17 “(B) SECOND TARGET STATION DE-
18 FINED.—For the purposes of this paragraph,
19 the term ‘second target station’ means the
20 Spallation Neutron Source second target station
21 described in—

22 “(i) the publication titled, ‘Facilities
23 for the Future of Science: A Twenty-Year
24 Outlook’, published by the Office of

1 Science of the Department of Energy in
2 December, 2003;

3 “(ii) the publication titled, ‘Four
4 Years Later: An Interim Report on Facili-
5 ties for the Future of Science: A Twenty-
6 Year Outlook’, published by the Office of
7 Science of the Department of Energy in
8 August, 2007; and

9 “(iii) the publication approved by the
10 Basic Energy Sciences Advisory Committee
11 on June 9, 2016, titled ‘Report on Facility
12 Upgrades’.

13 “(C) START OF OPERATIONS.—The Sec-
14 retary shall, subject to the availability of appro-
15 priations, ensure that the start of full oper-
16 ations of the second target station under this
17 paragraph occurs before December 31, 2033,
18 with the option for early operation in 2029.

19 “(D) FUNDING.—Out of funds authorized
20 to be appropriated under subsection (j), there
21 shall be made available to the Secretary to
22 carry out the activities under this paragraph,
23 including construction—

24 “(i) \$70,000,000 for fiscal year 2022;

1 “(ii) \$127,000,000 for fiscal year
2 2023;

3 “(iii) \$204,000,000 for fiscal year
4 2024;

5 “(iv) \$279,000,000 for fiscal year
6 2025; and

7 “(v) \$300,000,000 for fiscal year
8 2026.

9 “(7) ADVANCED LIGHT SOURCE UPGRADE.—

10 “(A) DEFINITIONS.—In this paragraph:

11 “(i) FLUX.—The term ‘flux’ means
12 the rate of flow of photons.

13 “(ii) SOFT X-RAY.—The term ‘soft x-
14 ray’ means a photon with energy in the
15 range from 50 to 2,000 electron volts.

16 “(B) IN GENERAL.—The Secretary shall
17 provide for the upgrade to the Advanced Light
18 Source described in the publication approved by
19 the Basic Energy Sciences Advisory Committee
20 on June 9, 2016, titled ‘Report on Facility Up-
21 grades’, including the development of a
22 multibend achromat lattice to produce a high
23 flux of coherent x-rays within the soft x-ray en-
24 ergy region.

1 “(C) START OF OPERATIONS.—The Sec-
2 retary shall, subject to the availability of appro-
3 priations, ensure that the start of full oper-
4 ations of the upgrade under this paragraph oc-
5 curs before September 30, 2029.

6 “(D) FUNDING.—Out of funds authorized
7 to be appropriated under subsection (j), there
8 shall be made available to the Secretary to
9 carry out the upgrade under this paragraph—

10 “(i) \$75,100,000 for fiscal year 2022;

11 “(ii) \$135,000,000 for fiscal year
12 2023;

13 “(iii) \$102,500,000 for fiscal year
14 2024;

15 “(iv) \$25,000,000 for fiscal year
16 2025; and

17 “(v) \$25,000,000 for fiscal year 2026.

18 “(8) LINAC COHERENT LIGHT SOURCE II HIGH
19 ENERGY UPGRADE.—

20 “(A) DEFINITIONS.—In this paragraph:

21 “(i) HIGH ENERGY X-RAY.—The term
22 ‘high energy x-ray’ means a photon with
23 an energy in the 5 to 13 kiloelectron volt
24 range.

1 “(ii) HIGH REPETITION RATE.—The
2 term ‘high repetition rate’ means the deliv-
3 ery of x-ray pulses up to 1 million pulses
4 per second.

5 “(iii) ULTRA-SHORT PULSE X-RAYS.—
6 The term ‘ultra-short pulse x-rays’ means
7 x-ray bursts capable of durations of less
8 than 100 femtoseconds.

9 “(B) IN GENERAL.—The Secretary shall—
10 “(i) provide for the upgrade to the
11 Linac Coherent Light Source II facility de-
12 scribed in the publication approved by the
13 Basic Energy Sciences Advisory Committee
14 on June 9, 2016, titled ‘Report on Facility
15 Upgrades’, including the development of
16 experimental capabilities for high energy x-
17 rays to reveal fundamental scientific dis-
18 coveries; and

19 “(ii) ensure such upgrade enables the
20 production and use of high energy, ultra-
21 short pulse x-rays delivered at a high rep-
22 etition rate.

23 “(C) START OF OPERATIONS.—The Sec-
24 retary shall, subject to the availability of appro-
25 priations, ensure that the start of full oper-

1 ations of the upgrade under this paragraph oc-
2 curs before December 31, 2026.

3 “(D) FUNDING.—Out of funds authorized
4 to be appropriated under subsection (j), there
5 shall be made available to the Secretary to
6 carry out the upgrade under this paragraph—

7 “(i) \$106,925,000 for fiscal year
8 2022;

9 “(ii) \$125,925,000 for fiscal year
10 2023;

11 “(iii) \$115,000,000 for fiscal year
12 2024;

13 “(iv) \$89,000,000 for fiscal year
14 2025; and

15 “(v) \$49,344,000 for fiscal year 2026.

16 “(9) CRYOMODULE REPAIR AND MAINTENANCE
17 FACILITY.—

18 “(A) IN GENERAL.—The Secretary shall
19 provide for the construction of a cryomodule re-
20 pair and maintenance facility to service the
21 Linac Coherent Light Source II and upgrades
22 to the facility. The Secretary shall consult with
23 the private sector, universities, National Lab-
24 oratories, and relevant Federal agencies to en-
25 sure that this facility has the capability to

1 maintain, repair, and test superconducting ra-
2 diofrequency accelerator components.

3 “(B) FUNDING.—Out of funds authorized
4 to be appropriated under subsection (j), there
5 shall be made available to the Secretary to
6 carry out the activities under this paragraph—

7 “(i) \$19,000,000 for fiscal year 2022;

8 “(ii) \$25,000,000 for fiscal year 2023;

9 “(iii) \$25,000,000 for fiscal year
10 2024; and

11 “(iv) \$17,000,000 for fiscal year
12 2025.

13 “(10) NANOSCALE SCIENCE RESEARCH CENTER
14 RECAPITALIZATION PROJECT.—

15 “(A) IN GENERAL.—The Secretary shall
16 provide for the recapitalization of the Nanoscale
17 Science Research Centers, to include the up-
18 grade of equipment at each Center supported
19 by the Office of Science on the date of enact-
20 ment of the America COMPETES Act of 2022,
21 to accelerate advances in the various fields of
22 science including nanoscience, materials, chem-
23 istry, biology, and quantum information science.

24 “(B) FUNDING.—Out of funds authorized
25 to be appropriated under subsection (j), there

1 shall be made available to the Secretary to
2 carry out the recapitalization under this para-
3 graph—

4 “(i) \$20,000,000 for fiscal year 2022;

5 “(ii) \$30,000,000 for fiscal year 2023;

6 “(iii) \$20,000,000 for fiscal year
7 2024; and

8 “(iv) \$20,000,000 for fiscal year
9 2025.”; and

10 (4) by adding at the end the following:

11 “(h) COMPUTATIONAL MATERIALS AND CHEMICAL
12 SCIENCES.—

13 “(1) IN GENERAL.—The Director shall support
14 a program of research and development for the ap-
15 plication of advanced computing practices to
16 foundational and emerging research problems in
17 chemistry and materials science. Research activities
18 shall include—

19 “(A) chemical catalysis research and devel-
20 opment;

21 “(B) the use of large data sets to model
22 materials phenomena, including through ad-
23 vanced characterization of materials, materials
24 synthesis, processing, and innovative use of ex-
25 perimental and theoretical data;

1 “(C) co-design of chemical system and
2 chemistry modeling software with advanced
3 computing systems and hardware technologies;
4 and

5 “(D) modeling of chemical processes, as-
6 semblies, and reactions such as molecular dy-
7 namics and quantum chemistry, including
8 through novel computing methods.

9 “(2) COMPUTATIONAL MATERIALS AND CHEM-
10 ICAL SCIENCES CENTERS.—

11 “(A) IN GENERAL.—In carrying out the
12 activities authorized under paragraph (1), the
13 Director shall select and establish up to six
14 computational materials and chemical sciences
15 centers to—

16 “(i) develop open-source, robust, and
17 validated computational codes and user-
18 friendly software, coupled with innovative
19 use of experimental and theoretical data,
20 to enable the design, discovery, and devel-
21 opment of new materials and chemical sys-
22 tems; and

23 “(ii) focus on overcoming challenges
24 and maximizing the benefits of exascale
25 and other high performance computing

1 underpinned by accelerated node tech-
2 nologies.

3 “(B) SELECTION.—The Director shall se-
4 lect centers under subparagraph (A) on a com-
5 petitive, merit-reviewed basis. The Director
6 shall consider applications from the National
7 Laboratories, institutes of higher education,
8 multi-institutional collaborations, and other ap-
9 propriate entities.

10 “(C) DURATION.—

11 “(i) A center selected under subpara-
12 graph (A) shall receive support for a pe-
13 riod of not more than 5 years beginning on
14 the date of establishment of that center,
15 subject to the availability of appropria-
16 tions.

17 “(ii) A center already in existence on
18 the date of enactment of the America
19 COMPETES Act of 2022 may continue to
20 receive support for a period of not more
21 than 5 years beginning on the date of es-
22 tablishment of that center.

23 “(D) RENEWAL.—Upon the expiration of
24 any period of support of a center under this
25 subsection, the Director may renew support for

1 the center, on a merit-reviewed basis, for a pe-
2 riod of not more than 5 years.

3 “(E) TERMINATION.—Consistent with the
4 existing authorities of the Department, the Di-
5 rector may terminate an underperforming cen-
6 ter for cause during the performance period.

7 “(i) MATERIALS RESEARCH DATABASE.—

8 “(1) IN GENERAL.—The Director shall support
9 the development of a web-based platform to develop
10 and provide access to a database of computed infor-
11 mation on known and predicted materials properties
12 and computational tools to accelerate breakthroughs
13 in materials discovery and design.

14 “(2) PROGRAM.—In carrying out this sub-
15 section, the Director shall—

16 “(A) conduct cooperative research with in-
17 dustry, academia, and other research institu-
18 tions to advance understanding, prediction, and
19 manipulation of materials and facilitate the de-
20 sign of novel materials;

21 “(B) develop and maintain data infrastruc-
22 ture at user facilities that generate data to col-
23 lect, analyze, label, and otherwise prepare the
24 data for inclusion in the database;

1 “(C) leverage existing high performance
2 computing systems to conduct high throughput
3 calculations, and develop computational and
4 data mining algorithms for the prediction of
5 material properties;

6 “(D) strengthen the foundation for new
7 technologies and advanced manufacturing; and

8 “(E) drive the development of advanced
9 materials for applications that span the Depart-
10 ment’s missions in energy, environment, and
11 national security.

12 “(3) COORDINATION.—In carrying out this sub-
13 section, the Director shall leverage programs and ac-
14 tivities across the Department, including computa-
15 tional materials and chemical sciences centers estab-
16 lished under subsection (h).

17 “(4) FUNDING.—Out of funds authorized to be
18 appropriated under subsection (j), there shall be
19 made available to the Secretary to carry out activi-
20 ties under this subsection \$10,000,000 for each of
21 the fiscal years 2022 through 2026.

22 “(j) AUTHORIZATION OF APPROPRIATIONS.—There
23 are authorized to be appropriated to the Secretary to carry
24 out the activities described in this section—

25 “(1) \$2,727,705,000 for fiscal year 2022;

1 “(2) \$2,828,896,600 for fiscal year 2023;
2 “(3) \$3,019,489,612 for fiscal year 2024;
3 “(4) \$3,161,698,885 for fiscal year 2025; and
4 “(5) \$3,291,651,600 for fiscal year 2026.”.

5 (b) ARTIFICIAL PHOTOSYNTHESIS.—Section 973 of
6 the Energy Policy Act of 2005 (42 U.S.C. 16313) is
7 amended—

8 (1) in subsection (b), by striking paragraph (4)
9 and inserting:

10 “(4) FUNDING.—From within funds authorized
11 to be appropriated for Basic Energy Sciences, the
12 Secretary shall make available for carrying out ac-
13 tivities under this subsection \$50,000,000 for each
14 of fiscal years 2022 through 2026.”; and

15 (2) in subsection (c), by striking paragraph (4)
16 and inserting:

17 “(4) FUNDING.—From within funds authorized
18 to be appropriated in section 316 of the Department
19 of Energy Research and Innovation Act, the Sec-
20 retary shall make available for carrying out activities
21 under this subsection \$50,000,000 for each of fiscal
22 years 2022 through 2026.”.

23 (c) ELECTRICITY STORAGE RESEARCH INITIATIVE.—
24 Section 975 of the Energy Policy Act of 2005 (42 U.S.C.
25 16315) is amended—

1 (1) in subsection (b), by striking paragraph (4)
2 and inserting:

3 “(4) FUNDING.—From within funds authorized
4 to be appropriated for Basic Energy Sciences, the
5 Secretary shall make available for carrying out ac-
6 tivities under this subsection \$50,000,000 for each
7 of fiscal years 2022 through 2026.”;

8 (2) in subsection (c), by striking paragraph (4)
9 and inserting:

10 “(4) FUNDING.—From within funds authorized
11 to be appropriated in section 316 of the Department
12 of Energy Research and Innovation Act, the Sec-
13 retary shall make available for carrying out activities
14 under this subsection \$50,000,000 for each of fiscal
15 years 2022 through 2026.”; and

16 (3) in subsection (d), by striking paragraph (4)
17 and inserting:

18 “(4) FUNDING.—From within funds authorized
19 to be appropriated in section 316 of the Department
20 of Energy Research and Innovation Act, the Sec-
21 retary shall make available for carrying out activities
22 under this subsection \$20,000,000 for each of fiscal
23 years 2022 through 2026.”.

1 **SEC. 10103. BIOLOGICAL AND ENVIRONMENTAL RESEARCH.**

2 (a) PROGRAM; BIOLOGICAL SYSTEMS; BIOMOLEC-
3 ULAR CHARACTERIZATION AND IMAGING SCIENCE.—Sec-
4 tion 306 of the Department of Energy Research and Inno-
5 vation Act (42 U.S.C. 18644) is amended—

6 (1) by striking subsection (a) and inserting the
7 following:

8 “(a) PROGRAM.—As part of the duties of the Director
9 authorized under section 209 of the Department of En-
10 ergy Organization Act (42 U.S.C. 7139), and coordinated
11 with the activities authorized under sections 303 and 304
12 of this Act, the Director shall carry out a program of re-
13 search and development in the areas of biological systems
14 science and climate and environmental science, including
15 subsurface science, relevant to the development of new en-
16 ergy technologies and to support the energy, environ-
17 mental, and national security missions of the Department.

18 “(b) BIOLOGICAL SYSTEMS.—The Director shall
19 carry out research and development activities in genomic
20 science including fundamental research on plants and mi-
21 crobes to increase systems-level understanding of the com-
22 plex biological systems, which may include activities to—

23 “(1) accelerate breakthroughs and new knowl-
24 edge that would enable the cost-effective, sustainable
25 production of—

1 “(A) biomass-based liquid transportation
2 fuels;

3 “(B) bioenergy; and

4 “(C) biobased materials from renewable
5 biomass;

6 “(2) improve fundamental understanding of
7 plant and microbial processes impacting the global
8 carbon cycle, including processes for removing car-
9 bon dioxide from the atmosphere, through photosyn-
10 thesis and other biological processes, for sequestra-
11 tion and storage;

12 “(3) understand the microbiome mechanisms
13 used to transform, immobilize, or remove contami-
14 nants from subsurface environments;

15 “(4) develop the computational approaches and
16 integrated platforms for open access collaborative
17 science;

18 “(5) leverage tools and approaches across the
19 Office of Science to expand research to include novel
20 processes, methods, and science to develop bio-based
21 chemicals, polymers, inorganic materials, including
22 research to—

23 “(A) advance biosystems design research
24 to advance the understanding of how CRISPR
25 tools and other gene editing tools and tech-

1 nologies work in nature, in the laboratory, and
2 in practice;

3 “(B) deepen genome-enabled knowledge of
4 root architecture and growth in crops, including
5 trees; and

6 “(C) develop biosystems design methods
7 and tools to increase the efficiency of photosyn-
8 thesis in plants; and

9 “(6) develop other relevant methods and proc-
10 esses as determined by the Director.

11 “(c) BIOMOLECULAR CHARACTERIZATION AND IMAG-
12 ING SCIENCE.—The Director shall carry out research and
13 development activities in biomolecular characterization
14 and imaging science, including development of integrative
15 imaging and analysis platforms and biosensors to under-
16 stand the expression, structure, and function of genome
17 information encoded within cells and for real-time meas-
18 urements in ecosystems and field sites of relevance to the
19 mission of the Department of Energy.”; and

20 (2) by redesignating subsections (b) through (d)
21 as subsections (d) through (f), respectively.

22 (b) BIOENERGY RESEARCH CENTERS.—Section
23 977(f) of the Energy Policy Act of 2005 (42 U.S.C.
24 16317(f)) is amended to read as follows:

25 “(f) BIOENERGY RESEARCH CENTERS.—

1 “(1) IN GENERAL.—In carrying out the pro-
2 gram under section 306(a) of the Department of
3 Energy Research and Innovation Act (42 U.S.C.
4 18644(a)), the Director shall support up to six bio-
5 energy research centers to conduct fundamental re-
6 search in plant and microbial systems biology, bio-
7 logical imaging and analysis, and genomics, and to
8 accelerate advanced research and development of
9 biomass-based liquid transportation fuels, bioenergy,
10 or biobased materials, chemicals, and products that
11 are produced from a variety of regionally diverse
12 feedstocks, and to facilitate the translation of re-
13 search results to industry. The activities of the cen-
14 ters authorized under this subsection may include—

15 “(A) accelerating the domestication of bio-
16 energy-relevant plants, microbes, and associated
17 microbial communities to enable high-impact,
18 value-added coproduct development at multiple
19 points in the bioenergy supply chain;

20 “(B) developing the science and techno-
21 logical advances to ensure process sustainability
22 is considered in the creation of biofuels and bio-
23 products from lignocellulose; and

24 “(C) using the latest tools in genomics,
25 molecular biology, catalysis science, chemical

1 engineering, systems biology, and computational
2 and robotics technologies to sustainably produce
3 and transform biomass into biofuels and bio-
4 products.

5 “(2) SELECTION AND DURATION.—

6 “(A) IN GENERAL.—A center established
7 under paragraph (1) shall be selected on a com-
8 petitive, merit-reviewed basis for a period of not
9 more than 5 years, subject to the availability of
10 appropriations, beginning on the date of estab-
11 lishment of that center.

12 “(B) APPLICATIONS.—The Director shall
13 consider applications from National Labora-
14 tories, multi-institutional collaborations, and
15 other appropriate entities.

16 “(C) EXISTING CENTERS.—A center al-
17 ready in existence on the date of enactment of
18 the America COMPETES Act of 2022 may
19 continue to receive support for a period of not
20 more than 5 years beginning on the date of es-
21 tablishment of that center.

22 “(3) RENEWAL.—After the end of either period
23 described in paragraph (2), the Director may renew
24 support for the center for a period of not more than
25 5 years on a merit-reviewed basis. For a center in

1 operation for 10 years after its previous selection on
2 a competitive, merit-reviewed basis, the Director
3 may renew support for the center on a competitive,
4 merit-reviewed basis for a period of not more than
5 5 years, and may subsequently provide an additional
6 renewal on a merit-reviewed basis for a period of not
7 more than 5 years.

8 “(4) TERMINATION.—Consistent with the exist-
9 ing authorities of the Department, the Director may
10 terminate an underperforming center for cause dur-
11 ing the performance period.

12 “(5) ACTIVITIES.—Centers shall undertake re-
13 search activities to accelerate the production of
14 biofuels and bioproducts from advanced biomass re-
15 sources by identifying the most suitable species of
16 plants for use as energy crops; and improving meth-
17 ods of breeding, propagation, planting, producing,
18 harvesting, storage and processing. Activities may
19 include the following:

20 “(A) Research activities to increase sus-
21 tainability, including—

22 “(i) advancing knowledge of how bio-
23 energy crop interactions with biotic and
24 abiotic environmental factors influence
25 crop growth, yield, and quality;

1 “(ii) identifying the most impactful
2 research areas that address the economics
3 of biofuels and bioproducts production; and

4 “(iii) utilizing multiscale modeling to
5 advance predictive understanding of biofuel
6 cropping ecosystems.

7 “(B) Research activities to further feed-
8 stock development, including lignocellulosic,
9 algal, gaseous wastes including carbon oxides
10 and methane, and direct air capture of single
11 carbon gases via plants and microbes, includ-
12 ing—

13 “(i) developing genetic and genomic
14 tools, high-throughput analytical tools, and
15 biosystems design approaches to enhance
16 bioenergy feedstocks and their associated
17 microbiomes;

18 “(ii) conducting field testing of new
19 potential bioenergy feedstock crops under
20 environmentally benign and geographically
21 diverse conditions to assess viability and
22 robustness; and

23 “(iii) developing quantitative models
24 informed by experimentation to predict

1 how bioenergy feedstocks perform under
2 diverse conditions.

3 “(C) Research activities to improve
4 lignocellulosic deconstruction and separation
5 methods, including—

6 “(i) developing feedstock-agnostic
7 deconstruction processes capable of effi-
8 ciently fractionating biomass into targeted
9 output streams;

10 “(ii) gaining a detailed understanding
11 of plant cell wall biosynthesis, composition,
12 structure, and properties during
13 deconstruction; and

14 “(iii) improving enzymes and ap-
15 proaches for biomass breakdown and cel-
16 lulose, hemicellulose, and lignin processing.

17 “(D) Research activities to improve the
18 feedstock conversion process for advanced
19 biofuels and bioproducts, including—

20 “(i) developing high-throughput meth-
21 ods to screen or select high-performance
22 microbial strains and communities to im-
23 prove product formation rates, yields, and
24 selectivity;

1 “(ii) establishing a broad set of plat-
2 form microorganisms and microbial com-
3 munities suitable for metabolic engineering
4 to produce biofuels and bioproducts, as
5 well as high-throughput methods for exper-
6 imental validation of gene function;

7 “(iii) developing techniques to en-
8 hance microbial robustness for tolerating
9 toxins to improve biofuel and bioproduct
10 yields and to gain a better understanding
11 of the cellular and molecular bases of toler-
12 ance for major chemical classes of inhibi-
13 tors found in these processes;

14 “(iv) advancing technologies for the
15 use of batch, continuous, as well as con-
16 solidated bioprocessing;

17 “(v) identifying, creating, and opti-
18 mizing microbial and chemical pathways to
19 produce promising, atom-economical inter-
20 mediates and final bioproducts from bio-
21 mass with considerations given to environ-
22 mentally benign processes;

23 “(vi) developing high-throughput,
24 real-time, in situ analytical techniques to
25 understand and characterize the pre- and

1 post-bioproduct separation streams in de-
2 tail;

3 “(vii) creating methodologies for effi-
4 ciently identifying viable target molecules,
5 identifying high-value bioproducts in exist-
6 ing biomass streams, and utilizing current
7 byproduct streams;

8 “(viii) identifying and improving plant
9 feedstocks with enhanced extractable levels
10 of desired bioproducts or bioproduct pre-
11 cursors, including lignin streams; and

12 “(ix) developing integrated biological
13 and chemical catalytic approaches to
14 valorize and produce a diverse portfolio of
15 advanced fuels and bioproducts.

16 “(6) INDUSTRY PARTNERSHIPS.—Centers shall
17 establish industry partnerships to translate research
18 results to commercial applications.

19 “(7) COORDINATION.—In coordination with the
20 Bioenergy Technologies Office of the Department,
21 the Director shall support interdisciplinary research
22 activities to improve the capacity, efficiency, resil-
23 ience, security, reliability, and affordability, of the
24 production and use of biofuels and bioproducts, as
25 well as activities to enable positive impacts and avoid

1 the potential negative impacts that the production
2 and use of biofuels and bioproducts may have on
3 ecosystems, people, and historically marginalized
4 communities.”.

5 (c) LOW-DOSE RADIATION RESEARCH PROGRAM.—
6 Section 306(e)(8) of the Department of Energy Research
7 and Innovation Act (42 U.S.C. 18644(e)(8)), as redesi-
8 gnated under subsection (a), is amended—

9 (1) in subparagraph (C), by striking “and”;

10 (2) in subparagraph (D), by striking the period
11 at the end and inserting a semicolon; and

12 (3) by adding at the end the following:

13 “(E) \$40,000,000 for fiscal year 2025; and

14 “(F) \$50,000,000 for fiscal year 2026.”.

15 (d) LOW-DOSE RADIATION AND SPACE RADIATION
16 RESEARCH PROGRAM.—Section 306(f) of the Department
17 of Energy Research and Innovation Act (42 U.S.C.
18 18644(d)), as redesignated under subsection (a), is
19 amended to read as follows:

20 “(f) LOW-DOSE RADIATION AND SPACE RADIATION
21 RESEARCH PROGRAM.—

22 “(1) IN GENERAL.—The Secretary of Energy,
23 in consultation with the Administrator of the Na-
24 tional Aeronautics and Space Administration, shall
25 carry out a basic research program on the similar-

1 ities and differences between the effects of exposure
2 to low-dose radiation on Earth, in low Earth orbit,
3 and in the space environment.

4 “(2) PURPOSE.—The purpose of this program
5 is to accelerate breakthroughs in low-dose and low
6 dose-rate radiation research and development as de-
7 scribed in subsection (e) and to inform the advance-
8 ment of new tools, technologies, and advanced mate-
9 rials needed to facilitate long-duration space explo-
10 ration.”.

11 (e) CLIMATE, ENVIRONMENTAL SCIENCE, AND
12 OTHER ACTIVITIES.—Section 306 of the Department of
13 Energy Research and Innovation Act (42 U.S.C. 18644)
14 is further amended by adding at the end the following:

15 “(g) EARTH AND ENVIRONMENTAL SYSTEMS
16 SCIENCES ACTIVITIES.—

17 “(1) IN GENERAL.—As part of the activities au-
18 thorized under subsection (a), and in coordination
19 with activities carried out under subsection (b), the
20 Director shall carry out earth and environmental
21 systems science research, in consultation with the
22 National Oceanic and Atmospheric Administration
23 and other relevant agencies, which may include ac-
24 tivities to—

1 “(A) understand, observe, and model the
2 response of Earth’s atmosphere and biosphere
3 to increased concentrations of greenhouse gas
4 emissions and any associated changes in cli-
5 mate, including frequency and intensity of ex-
6 treme weather events;

7 “(B) understand the coupled physical,
8 chemical, and biological processes to transform,
9 immobilize, remove, or move carbon, nitrogen,
10 and other energy production-derived contami-
11 nants such as radionuclides and heavy metals,
12 and understand the process of sequestration
13 and transformation of these, carbon dioxide,
14 and other relevant molecules in subsurface envi-
15 ronments;

16 “(C) understand, observe, and model the
17 cycling of water, carbon, and nutrients in ter-
18 restrial systems and at scales relevant to re-
19 sources management;

20 “(D) understand the biological, biogeo-
21 chemical, and physical processes across the
22 multiple scales that control the flux of environ-
23 mentally relevant compounds between the ter-
24 restrial surface and the atmosphere; and

1 “(E) inform potential natural mitigation
2 and adaptation options for increased concentra-
3 tions of greenhouse gas emissions and any asso-
4 ciated changes in climate.

5 “(2) PRIORITIZATION.—In carrying out the
6 program authorized under paragraph (1), the Direc-
7 tor shall prioritize—

8 “(A) the development of software and algo-
9 rithms to enable the productive application of
10 environmental systems and extreme weather in
11 climate and Earth system prediction models in
12 high-performance computing systems; and

13 “(B) capabilities that support the Depart-
14 ment’s mission needs for energy and infrastruc-
15 ture security, resilience, and reliability.

16 “(3) ENVIRONMENTAL SYSTEMS SCIENCE RE-
17 SEARCH.—

18 “(A) IN GENERAL.—As part of the activi-
19 ties described in paragraph (1), the Director
20 shall carry out research to advance an inte-
21 grated, robust, and scale-aware predictive un-
22 derstanding of environmental systems, including
23 the role of hydrobiogeochemistry, from the sub-
24 surface to the top of the vegetative canopy that

1 considers effects of seasonal to interannual vari-
2 ability and change.

3 “(B) CLEAN WATER AND WATERSHED RE-
4 SEARCH.—As part of the activities described in
5 subparagraph (A), the Director shall—

6 “(i) support interdisciplinary research
7 to significantly advance our understanding
8 of water availability, quality, and the im-
9 pact of human activity and a changing cli-
10 mate on urban and rural watershed sys-
11 tems, including in freshwater environ-
12 ments;

13 “(ii) consult with the Interagency Re-
14 search, Development, and Demonstration
15 Coordination Committee on the Nexus of
16 Energy and Water for Sustainability estab-
17 lished under section 1010 of the Energy
18 Act of 2020 (division Z of the Consolidated
19 Appropriations Act, 2021 (Public Law
20 116–260)) on energy-water nexus research
21 activities; and

22 “(iii) engage with representatives of
23 research and academic institutions, non-
24 profit organizations, State, local, and tribal
25 governments, and industry, who have ex-

1 pertise in technologies, technological inno-
2 vations, or practices relating to the energy-
3 water nexus, as applicable.

4 “(C) COORDINATION.—

5 “(i) DIRECTOR.—The Director shall
6 carry out activities under this paragraph in
7 accordance with priorities established by
8 the Secretary to support and accelerate the
9 decontamination of relevant facilities man-
10 aged by the Department.

11 “(ii) SECRETARY.—The Secretary
12 shall ensure the coordination of activities
13 of the Department, including activities
14 under this paragraph, to support and ac-
15 celerate the decontamination of relevant fa-
16 cilities managed by the Department.

17 “(4) CLIMATE AND EARTH MODELING.—As
18 part of the activities described in paragraph (1), the
19 Director, in collaboration with the Advanced Sci-
20 entific Computing Research program described in
21 section 304 and other programs carried out by the
22 Department, as applicable, and in consultation with
23 the National Oceanic and Atmospheric Administra-
24 tion and other relevant agencies, shall carry out re-
25 search to develop, evaluate, and use high-resolution

1 regional climate, global climate, Earth system, and
2 other relevant models to inform decisions on reduc-
3 ing greenhouse gas emissions and the resulting im-
4 pacts of a changing global climate. Such modeling
5 shall include—

6 “(A) integrated capabilities for modeling
7 multisectoral interactions, including socio-
8 economic factors as appropriate, which may in-
9 clude the impacts of climate policies on social
10 and regional equity and well-being, and the
11 interdependencies and risks at the energy-
12 water-land nexus;

13 “(B) greenhouse gas emissions, air quality,
14 energy supply and demand, and other critical
15 elements; and

16 “(C) interaction among human and Earth
17 systems informed by interdisciplinary research,
18 including the economic and social sciences.

19 “(5) MID-SCALE FUNDING MECHANISM.—

20 “(A) IN GENERAL.—Any of the activities
21 authorized in this subsection may be carried out
22 by competitively selected mid-scale, multi-insti-
23 tutional research centers in lieu of individual re-
24 search grants, or large-scale experiments or
25 user facilities.

1 “(B) CONSIDERATION.—The Biological
2 and Environmental Research Advisory Com-
3 mittee shall provide recommendations to the Di-
4 rector on projects most suitable for the research
5 centers described in subparagraph (A).

6 “(h) BIOLOGICAL AND ENVIRONMENTAL RESEARCH
7 USER FACILITIES.—

8 “(1) IN GENERAL.—The Director shall carry
9 out a program for the development, construction, op-
10 eration, and maintenance of user facilities to en-
11 hance the collection and analysis of observational
12 data related to complex biological, climate, and envi-
13 ronmental systems.

14 “(2) FACILITY REQUIREMENTS.—To the max-
15 imum extent practicable, the user facilities devel-
16 oped, constructed, operated, or maintained under
17 paragraph (1) shall include—

18 “(A) distributed field research and obser-
19 vation platforms for understanding earth sys-
20 tem processes;

21 “(B) analytical techniques, instruments,
22 and modeling resources for understanding the
23 physical, chemical, and cellular processes of bio-
24 logical and environmental systems;

1 “(C) integrated high-throughput sequenc-
2 ing, advanced bioanalytic techniques, DNA de-
3 sign and synthesis, metabolomics, and computa-
4 tional analysis; and

5 “(D) such other facilities as the Director
6 considers appropriate, consistent with section
7 209 of the Department of Energy Organization
8 Act (42 U.S.C. 7139).

9 “(3) EXISTING FACILITIES.—In carrying out
10 the program established in paragraph (1), the Direc-
11 tor is encouraged to evaluate the capabilities of ex-
12 isting user facilities and, to the maximum extent
13 practicable, invest in modernization of those capa-
14 bilities to address emerging research priorities.

15 “(4) USER FACILITIES INTEGRATION AND COL-
16 LABORATION PROGRAM.—

17 “(A) IN GENERAL.—The Director shall
18 support a program of collaboration between
19 user facilities as defined under this subsection
20 to encourage and enable researchers to more
21 readily integrate the tools, expertise, resources,
22 and capabilities of multiple Office of Science
23 user facilities (as described in section 209(d) of
24 the Department of Energy Organization Act

1 (42 U.S.C. 7139)) to further research and ad-
2 vance emerging technologies.

3 “(B) ACTIVITIES.—The program shall ad-
4 vance the integration of automation, robotics,
5 computational biology, bioinformatics, bio-
6 sensing, cellular platforms and other relevant
7 emerging technologies as determined by the Di-
8 rector to enhance productivity and scientific im-
9 pact of user facilities.

10 “(5) EARTH AND ENVIRONMENTAL SYSTEMS
11 SCIENCES USER FACILITIES.—

12 “(A) IN GENERAL.—In carrying out the
13 activities authorized under paragraph (1), the
14 Director shall establish and operate user facili-
15 ties to advance the collection, validation, and
16 analysis of atmospheric data, including activi-
17 ties to advance knowledge and improve model
18 representations and measure the impact of at-
19 mospheric gases, aerosols, and clouds on earth
20 and environmental systems.

21 “(B) SELECTION.—The Director shall se-
22 lect user facilities under paragraph (1) on a
23 competitive, merit-reviewed basis. The Director
24 shall consider applications from the National
25 Laboratories, institutes of higher education,

1 multi-institutional collaborations, and other ap-
2 propriate entities.

3 “(C) EXISTING FACILITIES.—To the max-
4 imum extent practicable, the Director shall uti-
5 lize existing facilities to carry out this sub-
6 section.

7 “(6) COORDINATION.—In carrying out the pro-
8 gram authorized in paragraph (1), the Director shall
9 ensure that the Office of Science—

10 “(A) consults and coordinates with the Na-
11 tional Oceanic Atmospheric Administration, the
12 Environmental Protection Agency, the National
13 Aeronautics and Space Administration, the De-
14 partment of Agriculture, the Department of the
15 Interior, and any other relevant Federal agency
16 on the collection, validation, and analysis of at-
17 mospheric data; and

18 “(B) coordinates with relevant stake-
19 holders, including institutes of higher education,
20 nonprofit research institutions, industry, State,
21 local, and tribal governments, and other appro-
22 priate entities to ensure access to the best avail-
23 able relevant atmospheric and historical weath-
24 er data.

25 “(i) COASTAL ZONE RESEARCH INITIATIVE.—

1 “(1) IN GENERAL.—The Director shall carry
2 out a research program, in consultation with the Na-
3 tional Oceanic and Atmospheric Administration, to
4 enhance the understanding of coastal ecosystems. In
5 carrying out this program, the Director shall
6 prioritize efforts to enhance the collection of obser-
7 vational data, and shall develop models to analyze
8 the ecological, biogeochemical, hydrological and
9 physical processes that interact in coastal zones.

10 “(2) NATIONAL SYSTEM FOR COASTAL DATA
11 COLLECTION.—The Director shall establish, in con-
12 sultation with the National Oceanic and Atmospheric
13 Administration and other relevant agencies, an inte-
14 grated system of geographically diverse field re-
15 search sites in order to improve the quantity and
16 quality of observational data, and that encompass
17 the major land water interfaces of the United
18 States, including—

19 “(A) the Great Lakes region;

20 “(B) the Pacific coast;

21 “(C) the Atlantic coast;

22 “(D) the Arctic; and

23 “(E) the Gulf coast.

24 “(3) EXISTING INFRASTRUCTURE.—In carrying
25 out the programs and establishing the field research

1 sites under paragraph (1) and (2), the Secretary
2 shall leverage existing research and development in-
3 frastructure supported by the Department, including
4 the Department's existing marine and coastal re-
5 search lab.

6 “(4) COORDINATION.—For the purposes of car-
7 rying out the programs and establishing the field re-
8 search sites under the Initiative, the Secretary may
9 enter into agreements with Federal Departments
10 and agencies with complementary capabilities.

11 “(5) REPORT.—Not less than 2 years after the
12 date of the enactment of the America COMPETES
13 Act of 2022, the Director shall provide to the Com-
14 mittee on Science, Space, and Technology and the
15 Committee on Appropriations of the House of Rep-
16 resentatives and the Committee on Energy and Nat-
17 ural Resources and the Committee on Appropria-
18 tions of the Senate a report examining whether the
19 system described in this section should be estab-
20 lished as a National User Facility.

21 “(j) TECHNOLOGY DEVELOPMENT.—The Director
22 shall support a technology research program for the devel-
23 opment of instrumentation and other research tools re-
24 quired to meet the missions of the Department and to pro-

1 vide platform technologies for the broader scientific com-
2 munity. Technologies shall include but are not limited to—

3 “(1) cryo-electron microscopy;

4 “(2) fabricated ecosystems;

5 “(3) next generation sensors including quantum
6 sensors for biological integration and bioproduction;

7 “(4) technologies to accelerate data analysis;

8 and

9 “(5) plant and microbial phenotyping for gene
10 discovery.

11 “(k) EMERGING TECHNOLOGIES.—

12 “(1) IN GENERAL.—The Secretary shall estab-
13 lish within the Biological and Environmental Re-
14 search program an initiative focused on the develop-
15 ment of engineered ecosystems through the applica-
16 tion of artificial intelligence, novel sensing capabili-
17 ties, and other emerging technologies.

18 “(2) INTERAGENCY COORDINATION.—The Sec-
19 retary shall coordinate with the Director of the Na-
20 tional Science Foundation, the Administrator of the
21 National Oceanic and Atmospheric Administration,
22 the Director of the U.S. Geological Survey, and
23 other relevant officials to avoid duplication of re-
24 search and observational activities and to ensure
25 that activities carried out under this initiative are

1 complimentary to those currently being undertaken
2 by other agencies.

3 “(3) REPORT.—Not later than 180 days after
4 the enactment of this Act, the Secretary shall pro-
5 vide a report to the Committee on Science, Space,
6 and Technology of the House, and the Committee on
7 Energy and Natural Resources of the Senate, on the
8 activity mandated in subsection (k).

9 “(l) AUTHORIZATION OF APPROPRIATIONS.—There
10 are authorized to be appropriated to the Secretary to carry
11 out the activities described in this section—

12 “(1) \$820,360,000 for fiscal year 2022;

13 “(2) \$886,385,200 for fiscal year 2023;

14 “(3) \$956,332,164 for fiscal year 2024;

15 “(4) \$1,020,475,415 for fiscal year 2025; and

16 “(5) \$1,099,108,695 for fiscal year 2026.”.

17 **SEC. 10104. ADVANCED SCIENTIFIC COMPUTING RESEARCH**
18 **PROGRAM.**

19 (a) ADVANCED SCIENTIFIC COMPUTING RE-
20 SEARCH.—Section 304 of the Department of Energy Re-
21 search and Innovation Act (42 U.S.C. 18642) is amend-
22 ed—

23 (1) by redesignating subsections (a) through (c)
24 as subsections (b) through (d), respectively; and

1 (2) by inserting before subsection (b), as so re-
2 designated, the following:

3 “(a) IN GENERAL.—As part of the activities author-
4 ized under section 209 of the Department of Energy Orga-
5 nization Act (42 U.S.C. 7139), the Director shall carry
6 out, in coordination with academia and relevant public and
7 private sector entities, a research, development, and dem-
8 onstration program to—

9 “(1) steward applied mathematics, computa-
10 tional science, and computer science research rel-
11 evant to the missions of the Department and the
12 competitiveness of the United States;

13 “(2) develop modeling, simulation, and other
14 computational tools relevant to other scientific dis-
15 ciplines and to the development of new energy tech-
16 nologies and other technologies;

17 “(3) advance computing and networking capa-
18 bilities for data-driven discovery; and

19 “(4) develop advanced scientific computing
20 hardware and software tools for science and engi-
21 neering.”;

22 (3) in subsection (c) (as redesignated under
23 paragraph (1))—

24 (A) by striking “The Director” and insert-
25 ing the following:

1 “(1) DIRECTOR.—The Director”; and

2 (B) by adding at the end the following:

3 “(2) COORDINATION.—The Under Secretary for
4 Science shall ensure the coordination of the activities
5 of the Department, including activities under this
6 section, to determine and meet the computational
7 and networking research and facility needs of the
8 Office of Science and all other relevant energy tech-
9 nology and energy efficiency programs within the
10 Department and with other Federal agencies as ap-
11 propriate.”;

12 (4) by amending subsection (d), as so redesign-
13 nated, to read as follows:

14 “(d) APPLIED MATHEMATICS AND SOFTWARE DE-
15 VELOPMENT FOR HIGH-END COMPUTING SYSTEMS AND
16 COMPUTER SCIENCES RESEARCH.—

17 “(1) IN GENERAL.—The Director shall carry
18 out activities to develop, test, and support—

19 “(A) mathematics, statistics, and algo-
20 rithms for modeling complex systems relevant
21 to the missions of the Department, including on
22 advanced computing architectures; and

23 “(B) tools, languages, programming envi-
24 ronments, and operations for high-end com-
25 puting systems (as defined in section 2 of the

1 American Super Computing Leadership Act (15
2 U.S.C. 5541).

3 “(2) PORTFOLIO BALANCE.—

4 “(A) IN GENERAL.—The Director shall
5 maintain a balanced portfolio within the ad-
6 vanced scientific computing research and devel-
7 opment program established under section 976
8 of the Energy Policy Act of 2005 (42 U.S.C.
9 16316) that supports robust investment in—

10 “(i) applied mathematical, computa-
11 tional, and computer sciences research
12 needs relevant to the mission of the De-
13 partment, including foundational areas
14 that are critical to the advancement of en-
15 ergy sciences and technologies and new
16 and emerging computing technologies; and

17 “(ii) associated high-performance
18 computing hardware and facilities.

19 “(B) EXASCALE ECOSYSTEM
20 SUSTAINMENT.—

21 “(i) SENSE OF CONGRESS.—It is the
22 sense of Congress that the Exascale Com-
23 puting Project has successfully created a
24 broad ecosystem that provides shared soft-
25 ware packages, novel evaluation systems,

1 and applications relevant to the science
2 and engineering requirements of the De-
3 partment, and that such products must be
4 maintained and improved in order that the
5 full potential of the deployed systems can
6 be continuously realized.

7 “(ii) IN GENERAL.—The Secretary
8 shall seek to sustain and evolve the eco-
9 system referenced in clause (i) to ensure
10 that the exascale software stack and other
11 research software will continue to be main-
12 tained, hardened, and otherwise optimized
13 for long-term use on exascale systems and
14 beyond and reliable availability to the user
15 community.”; and

16 (5) by inserting after subsection (d) the fol-
17 lowing:

18 “(e) NEXT GENERATION COMPUTING PROGRAM.—

19 “(1) IN GENERAL.—The Secretary shall estab-
20 lish a program to develop and implement a strategy
21 for achieving computing systems with capabilities be-
22 yond exascale computing systems. In establishing
23 this program, the Secretary shall—

24 “(A) maintain foundational research pro-
25 grams in mathematical, computational, and

1 computer sciences focused on new and emerging
2 computing needs within the mission of the De-
3 partment, including post-Moore’s law computing
4 architectures, novel approaches to modeling and
5 simulation, artificial intelligence and scientific
6 machine learning, quantum computing, edge
7 computing, extreme heterogeneity, and distrib-
8 uted high-performance computing;

9 “(B) retain best practices and maintain
10 support for essential hardware, applications,
11 and software elements of the Exascale Com-
12 puting Program that are necessary for sus-
13 taining the vitality of a long-term capable soft-
14 ware ecosystem for exascale and beyond; and

15 “(C) develop a Department-wide strategy
16 for balancing on-premises and cloud-based com-
17 puting and scientific data management.

18 “(2) REPORT.—Not later than one year after
19 the date of the enactment of the America COM-
20 PETES Act of 2022, the Secretary shall submit to
21 the Committee on Science, Space, and Technology of
22 the House of Representatives, and the Committee on
23 Energy and Natural Resources of the Senate, a re-
24 port on the development and implementation of the
25 strategy outlined in paragraph (1).

1 “(f) ARCHITECTURAL RESEARCH IN HETERO-
2 GENEUS COMPUTING SYSTEMS.—

3 “(1) IN GENERAL.—The Secretary shall carry
4 out a program of research and development in het-
5 erogeneous and reconfigurable computing systems to
6 expand understanding of the potential for hetero-
7 geneous and reconfigurable computing systems to
8 deliver high performance, high efficiency computing
9 for Department of Energy mission challenges. This
10 shall include research and development that explores
11 the convergence of big data analytics, simulations,
12 and artificial intelligence to drive the design of het-
13 erogenous computing system architectures.

14 “(2) COORDINATION.—In carrying out this pro-
15 gram, the Secretary shall ensure coordination be-
16 tween research activities undertaken by the Ad-
17 vanced Scientific Computing Research program and
18 materials research supported by the Basic Energy
19 Sciences program within the Department of Energy
20 Office of Science.

21 “(g) ENERGY EFFICIENT COMPUTING PROGRAM.—

22 “(1) IN GENERAL.—The Secretary shall sup-
23 port a program of fundamental research, develop-
24 ment, and demonstration of energy efficient com-
25 puting and data center technologies relevant to ad-

1 vanced computing applications, including high per-
2 formance computing, artificial intelligence, and sci-
3 entific machine learning.

4 “(2) EXECUTION.—

5 “(A) PROGRAM.—In carrying out the pro-
6 gram under paragraph (1), the Secretary
7 shall—

8 “(i) establish a partnership for Na-
9 tional Laboratories, industry partners, and
10 institutions of higher education for co-
11 design of energy efficient hardware, tech-
12 nology, software, and applications across
13 all applicable program offices of the De-
14 partment, and provide access to energy ef-
15 ficient computing resources to such part-
16 ners;

17 “(ii) develop hardware and software
18 technologies that decrease the energy needs
19 of advanced computing practices, including
20 through data center co-design;

21 “(iii) consider multiple heterogeneous
22 computing architectures in collaboration
23 with the program established under sub-
24 section (f) including neuromorphic com-

1 puting, persistent computing, and ultrafast
2 networking; and

3 “(iv) provide, as appropriate, on a
4 competitive, merit-reviewed basis, access
5 for researchers from institutions of higher
6 education, National Laboratories, industry,
7 and other Federal agencies to the energy
8 efficient computing technologies developed
9 pursuant to clause (i).

10 “(B) SELECTION OF PARTNERS.—In se-
11 lecting participants for the partnership estab-
12 lished under subparagraph (A)(i), the Secretary
13 shall select participants through a competitive,
14 merit review process.

15 “(C) REPORT.—Not later than one year
16 after the date of the enactment of the America
17 COMPETES Act of 2022, the Secretary shall
18 submit to the Committee on Science, Space,
19 and Technology of the House of Representa-
20 tives, and the Committee on Energy and Nat-
21 ural Resources of the Senate, a report on—

22 “(i) the activities conducted under
23 subparagraph (A); and

24 “(ii) the coordination and manage-
25 ment of the program under subparagraph

1 (A) to ensure an integrated research pro-
2 gram across the Department.

3 “(h) ENERGY SCIENCES NETWORK.—

4 “(1) IN GENERAL.—The Secretary shall provide
5 for upgrades to the Energy Sciences Network user
6 facility in order to meet the research needs of the
7 Department for highly reliable data transport capa-
8 bilities optimized for the requirements of large-scale
9 science.

10 “(2) CAPABILITIES.—In carrying out paragraph
11 (1), the Secretary shall ensure the following capabili-
12 ties:

13 “(A) To provide high bandwidth scientific
14 networking across the continental United States
15 and the Atlantic Ocean.

16 “(B) To ensure network reliability.

17 “(C) To protect the network infrastructure
18 from cyber-attacks.

19 “(D) To manage transport of exponentially
20 increasing levels of data from the Department’s
21 National Laboratories and sites, user facilities,
22 experiments, and sensors.

23 “(E) To contribute to the integration of
24 heterogeneous computing frameworks and sys-
25 tems.

1 “(i) COMPUTATIONAL SCIENCE GRADUATE FELLOW-
2 SHIP.—

3 “(1) IN GENERAL.—The Secretary shall sup-
4 port the Computational Science Graduate Fellowship
5 program in order to facilitate collaboration between
6 graduate students and researchers at the National
7 Laboratories, and contribute to the development of
8 a diverse and inclusive computational workforce to
9 help advance research in areas relevant to the mis-
10 sion of the Department.

11 “(2) FUNDING.—From within funds authorized
12 to be appropriated for Advanced Scientific Com-
13 puting Research Program, the Secretary shall make
14 available for carrying out the activities under this
15 section—

16 “(A) \$21,000,000 for fiscal year 2022;

17 “(B) \$22,050,000 for fiscal year 2023;

18 “(C) \$23,152,500 for fiscal year 2024;

19 “(D) \$24,310,125 for fiscal year 2025;

20 and

21 “(E) \$25,525,631 for fiscal year 2026.

22 “(j) AUTHORIZATION OF APPROPRIATIONS.—There
23 are authorized to be appropriated to the Secretary to carry
24 out the activities described in this section—

25 “(1) \$1,126,350,000 for fiscal year 2022;

1 “(2) \$1,222,674,500 for fiscal year 2023;
2 “(3) \$1,324,320,715 for fiscal year 2024;
3 “(4) \$1,431,660,115 for fiscal year 2025; and
4 “(5) \$1,535,090,121 for fiscal year 2026.”.

5 (b) QUANTUM SCIENCE NETWORK.—

6 (1) DEFINITIONS.—Section 2 of the National
7 Quantum Initiative Act (15 U.S.C. 8801) is amend-
8 ed—

9 (A) by redesignating paragraph (7) as
10 paragraph (8); and

11 (B) by inserting after paragraph (6) the
12 following:

13 “(7) QUANTUM NETWORK INFRASTRUCTURE.—
14 The term ‘quantum network infrastructure’ means
15 any facility, expertise, or capability that is necessary
16 to enable the development and deployment of scal-
17 able and diverse quantum network technologies.”.

18 (2) DEPARTMENT OF ENERGY QUANTUM NET-
19 WORK INFRASTRUCTURE RESEARCH AND DEVELOP-
20 MENT PROGRAM.—(A) Title IV of the National
21 Quantum Initiative Act (15 U.S.C. 8851 et seq.) is
22 amended by adding at the end the following:

1 **“SEC. 403. DEPARTMENT OF ENERGY QUANTUM NETWORK**
2 **INFRASTRUCTURE RESEARCH AND DEVELOP-**
3 **MENT PROGRAM.**

4 “(a) IN GENERAL.—The Secretary of Energy (re-
5 ferred to in this section as the ‘Secretary’) shall carry out
6 a research, development, and demonstration program to
7 accelerate innovation in quantum network infrastructure
8 in order to—

9 “(1) facilitate the advancement of distributed
10 quantum computing systems through the internet
11 and intranet;

12 “(2) improve the precision of measurements of
13 scientific phenomena and physical imaging tech-
14 nologies;

15 “(3) develop secure national quantum commu-
16 nications technologies and strategies; and

17 “(4) demonstrate these capabilities utilizing the
18 Department of Energy’s Energy Sciences Network
19 User Facility.

20 “(b) PROGRAM.—In carrying out this section, the
21 Secretary shall—

22 “(1) coordinate with—

23 “(A) the Director of the National Science
24 Foundation;

25 “(B) the Director of the National Institute
26 of Standards and Technology;

1 “(C) the Chair of the Subcommittee on
2 Quantum Information Science of the National
3 Science and Technology Council established
4 under section 103(a); and

5 “(D) the Chair of the Subcommittee on the
6 Economic and Security Implications of Quan-
7 tum Science;

8 “(2) conduct cooperative research with indus-
9 try, National Laboratories, institutions of higher
10 education, and other research institutions to facili-
11 tate new quantum infrastructure methods and tech-
12 nologies, including—

13 “(A) quantum-limited detectors, ultra-low
14 loss optical channels, space-to-ground connec-
15 tions, and classical networking and cybersecu-
16 rity protocols;

17 “(B) entanglement and hyper-entangled
18 state sources and transmission, control, and
19 measurement of quantum states;

20 “(C) quantum interconnects that allow
21 short range local connections between quantum
22 processors;

23 “(D) transducers for quantum sources and
24 signals between optical and telecommunications

1 regimes and quantum computer-relevant do-
2 mains, including microwaves;

3 “(E) development of quantum memory
4 buffers and small-scale quantum computers
5 that are compatible with photon-based quantum
6 bits in the optical or telecommunications wave-
7 lengths;

8 “(F) long-range entanglement distribution
9 at both the terrestrial and space-based level
10 using quantum repeaters, allowing entangle-
11 ment-based protocols between small- and large
12 scale quantum processors;

13 “(G) quantum routers, multiplexers, re-
14 peaters, and related technologies necessary to
15 create secure long-distance quantum commu-
16 nication; and

17 “(H) integration of systems across the
18 quantum technology stack into traditional com-
19 puting networks, including the development of
20 remote controlled, high performance, and reli-
21 able implementations of key quantum network
22 components by leveraging the expertise, infra-
23 structure and supplemental investments in the
24 Energy Sciences Network User Facility;

1 “(3) engage with the Quantum Economic De-
2 velopment Consortium (QED-C) to transition com-
3 ponent technologies to help facilitate as appropriate
4 the development of a quantum supply chain for
5 quantum network technologies;

6 “(4) advance basic research in advanced sci-
7 entific computing, particle and nuclear physics, and
8 material science to enhance the understanding, pre-
9 diction, and manipulation of materials, processes,
10 and physical phenomena relevant to quantum net-
11 work infrastructure;

12 “(5) develop experimental tools and testbeds in
13 collaboration with the Department of Energy’s En-
14 ergy Sciences Network User Facility necessary to
15 support cross-cutting fundamental research and de-
16 velopment activities with diverse stakeholders from
17 industry, National Laboratories, and institutions of
18 higher education; and

19 “(6) consider quantum network infrastructure
20 applications that span the Department of Energy’s
21 missions in energy, environment, and national secu-
22 rity.

23 “(c) LEVERAGING.—In carrying out this section, the
24 Secretary shall leverage resources, infrastructure, and ex-
25 pertise across the Department of Energy and from—

1 “(1) the National Institute of Standards and
2 Technology;

3 “(2) the National Science Foundation;

4 “(3) the National Aeronautics and Space Ad-
5 ministration;

6 “(4) other relevant Federal agencies;

7 “(5) the National Laboratories;

8 “(6) industry stakeholders;

9 “(7) institutions of higher education; and

10 “(8) the National Quantum Information
11 Science Research Centers.

12 “(d) RESEARCH PLAN.—Not later than 180 days
13 after the date of the enactment of the America COM-
14 PETES Act of 2022, the Secretary shall submit to the
15 Committee on Science, Space, and Technology of the
16 House of Representatives and the Committee on Energy
17 and Natural Resources of the Senate, a 4-year research
18 plan that identifies and prioritizes basic research needs re-
19 lating to quantum network infrastructure.

20 “(e) STANDARD OF REVIEW.—The Secretary shall
21 review activities carried out under this section to deter-
22 mine the achievement of technical milestones.

23 “(f) FUNDING.—Out of funds authorized to be appro-
24 priated for the Department of Energy’s Office of Science,
25 there shall be made available to the Secretary to carry out

1 the activities under this section, \$100,000,000 for each
2 of fiscal years 2022 through 2026.

3 **“SEC. 404. DEPARTMENT OF ENERGY QUANTUM USER EX-**
4 **PANSION FOR SCIENCE AND TECHNOLOGY**
5 **PROGRAM.**

6 “(a) IN GENERAL.—The Secretary of Energy (re-
7 ferred to in this section as the ‘Secretary’) shall establish
8 and carry out a program (to be known as the ‘Quantum
9 User Expansion for Science and Technology program’ or
10 ‘QUEST program’) to encourage and facilitate access to
11 United States quantum computing hardware and quantum
12 computing clouds for research purposes to—

13 “(1) enhance the United States quantum re-
14 search enterprise;

15 “(2) educate the future quantum computing
16 workforce; and

17 “(3) accelerate the advancement of United
18 States quantum computing capabilities.

19 “(b) PROGRAM.—In carrying out this section, the
20 Secretary shall—

21 “(1) coordinate with—

22 “(A) the Director of the National Science
23 Foundation;

24 “(B) the Director of the National Institute
25 of Standards and Technology;

1 “(C) the Chair of the Subcommittee on
2 Quantum Information Science of the National
3 Science and Technology Council established
4 under section 103(a); and

5 “(D) the Chair of the Subcommittee on the
6 Economic and Security Implications of Quan-
7 tum Science;

8 “(2) provide researchers based within the
9 United States with access to, and use of, United
10 States quantum computing resources through a com-
11 petitive, merit-reviewed process;

12 “(3) consider applications from the National
13 Laboratories, multi-institutional collaborations, insti-
14 tutions of higher education, industry stakeholders,
15 and any other entities that the Secretary determines
16 are appropriate to provide national leadership on
17 quantum computing related issues; and

18 “(4) consult and coordinate with private sector
19 stakeholders, the user community, and interagency
20 partners on program development and best manage-
21 ment practices.

22 “(c) LEVERAGING.—In carrying out this section, the
23 Secretary shall leverage resources and expertise across the
24 Department of Energy and from—

1 “(1) the National Institute of Standards and
2 Technology;

3 “(2) the National Science Foundation;

4 “(3) the National Aeronautics and Space Ad-
5 ministration;

6 “(4) other relevant Federal agencies;

7 “(5) the National Laboratories;

8 “(6) industry stakeholders;

9 “(7) institutions of higher education; and

10 “(8) the National Quantum Information
11 Science Research Centers.

12 “(d) SECURITY.—In carrying out the activities au-
13 thorized by this section, the Secretary, in consultation
14 with the Director of the National Science Foundation and
15 the Director of the National Institute of Standards and
16 Technology, shall ensure proper security controls are in
17 place to protect sensitive information, as appropriate.

18 “(e) FUNDING.—Out of funds authorized to be ap-
19 propriated for the Department of Energy’s Office of
20 Science, there shall be made available to the Secretary to
21 carry out the activities under this section—

22 “(1) \$30,000,000 for fiscal year 2022;

23 “(2) \$50,000,000 for fiscal year 2023;

24 “(3) \$70,000,000 for fiscal year 2024;

25 “(4) \$90,000,000 for fiscal year 2025; and

1 “(5) \$100,000,000 for fiscal year 2026.

2 “(f) **EQUITABLE USE OF HIGH-PERFORMANCE COM-**
3 **PUTING CAPABILITIES.**—

4 “(1) **SENSE OF CONGRESS.**—It is the sense of
5 Congress that machine learning algorithms can ex-
6 hibit biases that cause harm to historically
7 marginalized communities.

8 “(2) **POLICY.**—In leveraging high-performance
9 computing systems for research purposes, including
10 through the use of machine learning algorithms for
11 data analysis, the Secretary shall ensure that such
12 capabilities are employed in a manner that mitigates
13 and, to the maximum extent practicable, avoids
14 harmful algorithmic bias and equitably addresses
15 challenges impacting different populations, including
16 historically marginalized communities.”.

17 (B) The table of contents in section 1(b) of the
18 National Quantum Initiative Act is amended by in-
19 serting after the item relating to section 402 the fol-
20 lowing items:

“Sec. 403. Department of energy quantum network infrastructure research and development program.

“Sec. 404. Department of energy quantum user expansion for science and technology program.”.

1 **SEC. 10105. FUSION ENERGY RESEARCH.**

2 (a) FUSION ENERGY RESEARCH.—Section 307 of the
3 Department of Energy Research and Innovation Act (42
4 U.S.C. 18645) is amended—

5 (1) in subsection (b)—

6 (A) in the matter preceding paragraph (1),
7 by striking “As part of” and inserting the fol-
8 lowing:

9 “(1) IN GENERAL.—As part of”;

10 (B) by redesignating—

11 (i) paragraphs (1) and (2) as sub-
12 paragraphs (A) and (B), respectively (and
13 by adjusting the margins of such subpara-
14 graphs accordingly); and

15 (ii) in subparagraph (B) (as redesign-
16 ated by clause (i)), subparagraphs (A)
17 and (B) as clauses (i) and (ii), respectively
18 (and by adjusting the margins of such
19 clauses accordingly); and

20 (C) by adding at the end the following:

21 “(2) AUTHORIZATION OF APPROPRIATIONS.—
22 Out of funds authorized to be appropriated under
23 subsection (r), there are authorized to be appro-
24 priated to the Secretary to carry out activities de-
25 scribed in paragraph (1) \$50,000,000 for each of
26 fiscal years 2022 through 2026.”;

1 (2) in subsection (d)(3)—

2 (A) by striking the period at the end and
3 inserting “and \$40,000,000 for fiscal year
4 2026.”; and

5 (B) by striking “(o)” and inserting “(r)”;
6 and

7 (3) in subsection (e)(4)—

8 (A) by striking the period at the end and
9 inserting “and \$75,000,000 for fiscal year
10 2026.”; and

11 (B) by striking “(o)” and inserting “(r)”;

12 (4) in subsection (i)(10)—

13 (A) In the matter preceding subparagraph
14 (A), by striking “(o)” and inserting “(r)”;

15 (B) in subparagraph (D), by striking “;
16 and” and inserting a semicolon;

17 (C) in subparagraph (E), by striking the
18 period at the end and inserting “; and”; and

19 (D) by adding at the end the following:

20 “(F) \$45,000,000 for fiscal year 2026.”;

21 (5) in subsection (j)—

22 (A) by striking “The Director” and all
23 that follows through the period and inserting
24 the following:

25 “(1) IN GENERAL.—

1 “(A) ESTABLISHMENT.—Within 180 days
2 of enactment of the America COMPETES Act
3 of 2022, the Director shall establish at least 2
4 national teams, including public-private part-
5 nerships, that will develop conceptual pilot plant
6 designs and technology roadmaps and lead to
7 an engineering design of a pilot plant that will
8 bring fusion to commercial viability.

9 “(B) COMPOSITION.—The national teams
10 shall be composed of developers, manufacturers,
11 universities, national laboratories, and engineer-
12 ing, procurement, and construction industries.”;
13 and

14 (B) by adding at the end the following:

15 “(2) AUTHORIZATION OF APPROPRIATIONS.—
16 There are authorized to be appropriated to carry out
17 activities described in paragraph (1)—

18 “(A) \$20,000,000 for fiscal year 2022;

19 “(B) \$35,000,000 for fiscal year 2023;

20 “(C) \$50,000,000 for fiscal year 2024;

21 “(D) \$65,000,000 for fiscal year 2025;

22 and

23 “(E) \$80,000,000 for fiscal year 2026.”;

24 (6) in subsection (l)—

1 (A) by striking “sense of Congress that the
2 United States should support” and inserting
3 “sense of Congress that—”;

4 “(1) the United States should support”;

5 (B) in paragraph (1) (as so designated by
6 subparagraph (A) of this paragraph), by strik-
7 ing the period at the end and inserting “; and”;
8 and

9 (C) by adding at the end the following:

10 “(2) the Director shall incorporate the findings
11 and recommendations of the report of the Fusion
12 Energy Sciences Advisory Committee entitled
13 ‘Powering the Future: Fusion and Plasmas’ and the
14 report of the National Academies of Science, Engi-
15 neering, and Medicine entitled “Bringing Fusion to
16 the U.S. Grid” into the planning process of the De-
17 partment, including the development of future budg-
18 et requests to Congress.”;

19 (7) by redesignating subsection (o) as sub-
20 section (r);

21 (8) by inserting after subsection (n) the fol-
22 lowing:

23 “(o) HIGH-PERFORMANCE COMPUTATION COLLABO-
24 RATIVE RESEARCH PROGRAM.—

1 “(1) IN GENERAL.—The Secretary shall carry
2 out a program to conduct and support collaborative
3 research, development, and demonstration of fusion
4 energy technologies, through high-performance com-
5 putation modeling and simulation techniques, in
6 order to—

7 “(A) support fundamental research in plas-
8 mas and matter at very high temperatures and
9 densities;

10 “(B) inform the development of a broad
11 range of fusion energy systems; and

12 “(C) facilitate the translation of research
13 results in fusion energy science to industry.

14 “(2) COORDINATION.—In carrying out the pro-
15 gram under paragraph (1), the Secretary shall co-
16 ordinate with relevant Federal agencies, and
17 prioritize the following objectives:

18 “(A) Using expertise from the private sec-
19 tor, institutions of higher education, and the
20 National Laboratories to leverage existing, and
21 develop new, computational software and capa-
22 bilities that prospective users may use to accel-
23 erate research and development of fusion energy
24 systems.

1 “(B) Developing computational tools to
2 simulate and predict fusion energy science phe-
3 nomena that may be validated through physical
4 experimentation.

5 “(C) Increasing the utility of the research
6 infrastructure of the Department by coordi-
7 nating with the Advanced Scientific Computing
8 Research program within the Office of Science.

9 “(D) Leveraging experience from existing
10 modeling and simulation entities sponsored by
11 the Department.

12 “(E) Ensuring that new experimental and
13 computational tools are accessible to relevant
14 research communities, including private sector
15 entities engaged in fusion energy technology de-
16 velopment.

17 “(F) Ensuring that newly developed com-
18 putational tools are compatible with modern vir-
19 tual engineering and visualization capabilities to
20 accelerate the realization of fusion energy tech-
21 nologies and systems.

22 “(3) DUPLICATION.—The Secretary shall en-
23 sure the coordination of, and avoid unnecessary du-
24 plication of, the activities of this program with the
25 activities of—

1 “(A) other research entities of the Depart-
2 ment, including the National Laboratories, the
3 Advanced Research Projects Agency–Energy,
4 the Advanced Scientific Computing Research
5 program; and

6 “(B) industry.

7 “(4) HIGH-PERFORMANCE COMPUTING FOR FU-
8 SION INNOVATION CENTER.—In carrying out the
9 program under paragraph (1), the Secretary shall,
10 in coordination with the Innovation Network for Fu-
11 sion Energy, establish and operate a national High-
12 Performance Computing for Fusion Innovation Cen-
13 ter (referred to in this subsection as the ‘Center’),
14 to support the program under paragraph (1) by pro-
15 viding, to the extent practicable, a centralized entity
16 for multidisciplinary, collaborative, fusion energy re-
17 search and development through high performance
18 computing and advanced data analytics technologies
19 and processes.

20 “(5) SELECTION.—The Secretary shall select
21 the Center under this subsection on a competitive,
22 merit-reviewed basis. The Secretary shall consider
23 applications from National Laboratories, institutions
24 of higher education, multi-institutional collabora-
25 tions, and other appropriate entities.

1 “(6) EXISTING ACTIVITIES.—The Center may
2 incorporate existing research activities that are con-
3 sistent with the program described in paragraph (1).

4 “(7) DURATION.—The Center established under
5 this subsection shall receive support for a period of
6 not more than 5 years, subject to the availability of
7 appropriations.

8 “(8) RENEWAL.—Upon the expiration of any
9 period of support of the Center, the Secretary may
10 renew support for the Center, on a merit-reviewed
11 basis, for a period of not more than 5 years.

12 “(9) TERMINATION.—Consistent with the exist-
13 ing authorities of the Department, the Secretary
14 may terminate the Center for cause during the per-
15 formance period.

16 “(p) MATERIAL PLASMA EXPOSURE EXPERIMENT.—

17 “(1) IN GENERAL.—The Secretary shall con-
18 struct a Material Plasma Exposure Experiment fa-
19 cility as described in the 2020 publication approved
20 by the Fusion Energy Sciences Advisory Committee
21 titled ‘Powering the Future: Fusion and Plasmas’.
22 The Secretary shall consult with the private sector,
23 universities, National Laboratories, and relevant
24 Federal agencies to ensure that this facility is capa-
25 ble of meeting Federal research needs for steady

1 state, high-heat-flux and plasma-material interaction
2 testing of fusion materials over a range of fusion en-
3 ergy relevant parameters.

4 “(2) FACILITY CAPABILITIES.—The Secretary
5 shall ensure that the facility described in paragraph
6 (1) will provide the following capabilities:

7 “(A) A magnetic field at the target of 1
8 Tesla.

9 “(B) An energy flux at the target of 10
10 MW/m².

11 “(C) The ability to expose previously irra-
12 diated plasma facing material samples to plas-
13 ma.

14 “(3) START OF OPERATIONS.—The Secretary
15 shall, subject to the availability of appropriations,
16 ensure that the start of full operations of the facility
17 under this section occurs before December 31, 2027.

18 “(4) FUNDING.—Out of funds authorized to be
19 appropriated for Fusion Energy Sciences, there are
20 funds authorized to be appropriated to the Secretary
21 for the Office of Fusion Energy Sciences to carry
22 out to completion the construction of the facility
23 under this section:

24 “(A) \$32,800,000 for fiscal year 2022;

25 “(B) \$13,400,000 for fiscal year 2023;

1 “(C) \$12,600,000 for fiscal year 2024; and

2 “(D) \$400,000 for fiscal year 2025.

3 “(q) MATTER IN EXTREME CONDITIONS INSTRU-
4 MENT UPGRADE.—

5 “(1) IN GENERAL.—The Secretary shall provide
6 for the upgrade to the Matter in Extreme Conditions
7 endstation at the Linac Coherent Light Source as
8 described in the 2020 publication approved by the
9 Fusion Energy Sciences Advisory Committee titled
10 ‘Powering the Future: Fusion and Plasmas’. The
11 Secretary shall consult with the private sector, uni-
12 versities, National Laboratories, and relevant Fed-
13 eral agencies to ensure that this facility is capable
14 of meeting Federal research needs for understanding
15 physical and chemical changes to plasmas at funda-
16 mental timescales, and explore new regimes of dense
17 material physics, astrophysics, planetary physics,
18 and short-pulse laser-plasma interactions.

19 “(2) START OF OPERATIONS.—The Secretary
20 shall, subject to the availability of appropriations,
21 ensure that the start of full operations of the facility
22 under this section occurs before December 31,
23 2028.”; and

1 (9) in subsection (r), as so redesignated, by
2 striking paragraphs (2) through (5) and inserting
3 the following:

4 “(2) \$1,002,900,000 for fiscal year 2022;

5 “(3) \$1,095,707,000 for fiscal year 2023;

6 “(4) \$1,129,368,490 for fiscal year 2024;

7 “(5) \$1,149,042,284 for fiscal year 2025; and

8 “(6) \$1,243,097,244 for fiscal year 2026.”.

9 (b) ITER CONSTRUCTION.—Section 972 of the En-
10 ergy Policy Act of 2005 (42 U.S.C. 16312) is amended
11 in subsection (c)(3)—

12 (1) in subparagraph (A), by striking “and” at
13 the end; and

14 (2) by striking subparagraph (B) and inserting
15 the following:

16 “(B) \$300,000,000 for fiscal year 2022;

17 “(C) \$325,000,000 for fiscal year 2023;

18 “(D) \$350,000,000 for fiscal year 2024;

19 “(E) \$350,000,000 for fiscal year 2025;

20 and

21 “(F) \$350,000,000 for fiscal year 2026.”.

22 **SEC. 10106. HIGH ENERGY PHYSICS PROGRAM.**

23 (a) PROGRAM.—Section 305 of the Department of
24 Energy Research and Innovation Act (42 U.S.C. 18643)
25 is amended—

1 (1) by redesignating subsections (b) through (d)
2 as subsections (d) through (f), respectively; and

3 (2) by inserting the following after subsection
4 (a):

5 “(b) PROGRAM.—As part of the activities authorized
6 under section 209 of the Department of Energy Organiza-
7 tion Act (42 U.S.C. 7139), the Director shall carry out
8 a research program in elementary particle physics and ad-
9 vanced technology research and development to improve
10 the understanding of the fundamental properties of the
11 universe, including constituents of matter and energy and
12 the nature of space and time.

13 “(c) HIGH ENERGY FRONTIER RESEARCH.—As part
14 of the program described in subsection (b), the Director
15 shall carry out research using high energy accelerators
16 and advanced detectors, including accelerators and detec-
17 tors that will function as national user facilities, to create
18 and study interactions of elementary particles and inves-
19 tigate fundamental forces.”.

20 (b) INTERNATIONAL COLLABORATION.—Section
21 305(d) of the Department of Energy Research and Inno-
22 vation Act (42 U.S.C. 18643(d)), as redesignated under
23 subsection (a), is amended to read as follows:

24 “(d) INTERNATIONAL COLLABORATION.—The Direc-
25 tor shall—

1 “(1) as practicable and in coordination with
2 other appropriate Federal agencies as necessary, en-
3 sure the access of United States researchers to the
4 most advanced accelerator facilities and research ca-
5 pabilities in the world, including the Large Hadron
6 Collider;

7 “(2) to the maximum extent practicable, con-
8 tinue to leverage United States participation in the
9 Large Hadron Collider, and prioritize expanding
10 international partnerships and investments in the
11 Long-Baseline Neutrino Facility and Deep Under-
12 ground Neutrino Experiment; and

13 “(3) to the maximum extent practicable,
14 prioritize engagement in collaborative efforts in sup-
15 port of future international facilities that would pro-
16 vide access to the most advanced accelerator facili-
17 ties in the world to United States researchers.”.

18 (c) COSMIC FRONTIER RESEARCH.—Section 305(f)
19 of the Department of Energy Research and Innovation Act
20 (42 U.S.C. 18645(f)), as redesignated by subsection (a),
21 is amended to read as follows:

22 “(f) COSMIC FRONTIER RESEARCH.—The Director
23 shall carry out research activities on the nature of the pri-
24 mary contents of the universe, including the nature of
25 dark energy and dark matter. These activities shall, to the

1 maximum extent practicable, be consistent with the re-
2 search priorities identified by the High Energy Physics
3 Advisory Panel or the National Academy of Sciences, and
4 may include—

5 “(1) collaborations with the National Aero-
6 nautics and Space Administration, the National
7 Science Foundation, or international partners on rel-
8 evant projects; and

9 “(2) the development of space-based, land-
10 based, water-based, and underground facilities and
11 experiments.”.

12 (d) FURTHER ACTIVITIES.—Section 305 of the De-
13 partment of Energy Research and Innovation Act (42
14 U.S.C. 18645) is further amended by adding at the end
15 the following:

16 “(g) FACILITY CONSTRUCTION AND MAJOR ITEMS
17 OF EQUIPMENT.—

18 “(1) PROJECTS.—Consistent with the Office of
19 Science’s project management practices, the Director
20 shall, to the maximum extent practicable, incor-
21 porate the findings and recommendations of the
22 2014 Particle Physics Project Prioritization Panel
23 (P5) report titled ‘Building for Discovery’, and sup-
24 port construction or fabrication of—

1 “(A) an international Long-Baseline Neu-
2 trino Facility based in the United States;

3 “(B) the Proton Improvement Plan II;

4 “(C) Second Generation Dark Matter ex-
5 periments;

6 “(D) the Legacy Survey of Space and
7 Time camera;

8 “(E) upgrades to detectors and other com-
9 ponents of the Large Hadron Collider; and

10 “(F) other high priority projects rec-
11 ommended in the most recent report of the Par-
12 ticle Physics Project Prioritization Panel of the
13 High Energy Physics Advisory Panel.

14 “(2) LONG-BASELINE NEUTRINO FACILITY.—

15 “(A) IN GENERAL.—The Secretary shall
16 support construction of a Long-Baseline Neu-
17 trino Facility to facilitate the international
18 Deep Underground Neutrino Experiment to ex-
19 amine the fundamental properties of neutrinos,
20 explore physics beyond the Standard Model,
21 and better clarify the existence and nature of
22 antimatter.

23 “(B) FACILITY CAPABILITIES.—The Sec-
24 retary shall ensure that the facility described in

1 subparagraph (A) will provide, at a minimum,
2 the following capabilities:

3 “(i) A neutrino beam with wideband
4 capability of 1.2 megawatts (MW) of beam
5 power and upgradable to 2.4 MW of beam
6 power.

7 “(ii) Three caverns excavated for a 70
8 kiloton fiducial detector mass and sup-
9 porting surface buildings and utilities.

10 “(iii) Cryogenic systems to support
11 neutrino detectors.

12 “(C) START OF OPERATIONS.—The Sec-
13 retary shall, subject to the availability of appro-
14 priations, ensure that the start of full oper-
15 ations of the facility under this subsection oc-
16 curs before December 31, 2031.

17 “(D) FUNDING.—Out of funds authorized
18 to be appropriated under subsection (k), there
19 shall be made available to the Secretary to
20 carry out construction of the facility under this
21 subsection—

22 “(i) \$200,000,000 for fiscal year
23 2022;

24 “(ii) \$325,000,000 for fiscal year
25 2023;

1 “(iii) \$400,000,000 for fiscal year
2 2024;

3 “(iv) \$375,000,000 for fiscal year
4 2025; and

5 “(v) \$250,000,000 for fiscal year
6 2026.

7 “(3) PROTON IMPROVEMENT PLAN—II ACCEL-
8 ERATOR UPGRADE PROJECT.—

9 “(A) IN GENERAL.—The Secretary of En-
10 ergy shall support construction of the Proton
11 Improvement Plan II, an upgrade to the
12 Fermilab accelerator complex identified in the
13 2014 Particle Physics Project Prioritization
14 Panel (P5) report titled ‘Building for Dis-
15 covery’, to provide the world’s most intense
16 beam of neutrinos to the international Long
17 Baseline Neutrino Facility as well as abroad
18 range of future high energy physics experi-
19 ments. The Secretary of Energy shall work with
20 international partners to enable further signifi-
21 cant contributions to the capabilities of this
22 project.

23 “(B) FACILITY CAPABILITIES.—The Sec-
24 retary shall ensure that the facility described in

1 paragraph (1) will provide, at a minimum, the
2 following capabilities:

3 “(i) A state-of-the-art 800
4 megaelectron volt (MeV) superconducting
5 linear accelerator.

6 “(ii) Proton beam power of 1.2 MW
7 at the start of LBNF/DUNE, upgradeable
8 to 2.4 MW of beam power.

9 “(iii) A flexible design to enable high
10 power beam delivery to multiple users si-
11 multaneously and customized beams tai-
12 lored to specific scientific needs.

13 “(iv) Sustained high reliability oper-
14 ation of the Fermilab accelerator complex.

15 “(C) START OF OPERATIONS.—The Sec-
16 retary shall, subject to the availability of appro-
17 priations, ensure that the start of full oper-
18 ations of the facility under this section occurs
19 before December 31, 2028.

20 “(D) FUNDING.—Out of funds authorized
21 to be appropriated under subsection (k), there
22 shall be made available to the Secretary to
23 carry out construction of the facility under this
24 subsection—

1 “(i) \$191,000,000 for fiscal year
2 2022;

3 “(ii) \$150,000,000 for fiscal year
4 2023;

5 “(iii) \$120,000,000 for fiscal year
6 2024;

7 “(iv) \$120,000,000 for fiscal year
8 2025; and

9 “(v) \$100,000,000 for fiscal year
10 2026.

11 “(4) COSMIC MICROWAVE BACKGROUND STAGE

12 4.—

13 “(A) IN GENERAL.—The Secretary of En-
14 ergy, in partnership with the Director of the
15 National Science Foundation, shall support con-
16 struction of the Cosmic Microwave Background
17 Stage 4 project to survey the cosmic microwave
18 background to test theories of cosmic inflation
19 as described in the 2014 Particle Physics
20 Prioritization Panel (P5) report titled ‘Building
21 for Discovery: Strategic Plan for U.S. Particle
22 Physics in the Global Context.’.

23 “(B) CONSULTATION.—The Secretary
24 shall consult with the private sector, univer-
25 sities, National Laboratories, and relevant Fed-

1 eral agencies to ensure that this experiment is
2 capable of meeting Federal research needs in
3 accessing the ultra-high energy physics of infla-
4 tion and important neutrino properties.

5 “(C) EXPERIMENTAL CAPABILITIES.—The
6 Secretary shall ensure to the maximum extent
7 practicable that the facility described in sub-
8 section (a) will provide at minimum, 500,000
9 superconducting detectors deployed on an array
10 of mm wave telescopes with the required range
11 in frequency, sensitivity, and survey speed
12 which will provide sufficient capability to enable
13 an order of magnitude advance in observations
14 of the Cosmic Microwave Background, deliv-
15 ering transformative discoveries in fundamental
16 physics, cosmology, and astrophysics.

17 “(D) START OF OPERATIONS.—The Sec-
18 retary shall, subject to the availability of appro-
19 priations, ensure that the start of full oper-
20 ations of the facility under this section occurs
21 before December 31, 2030.

22 “(E) FUNDING.—Out of funds authorized
23 to be appropriated under subsection (k), there
24 shall be made available to the Secretary to

1 carry out construction of the facility under this
2 subsection—

3 “(i) \$37,000,000 for fiscal year 2022;

4 “(ii) \$50,000,000 for fiscal year 2023;

5 “(iii) \$70,000,000 for fiscal year
6 2024;

7 “(iv) \$80,000,000 for fiscal year
8 2025; and

9 “(v) \$90,000,000 for fiscal year 2026.

10 “(h) ACCELERATOR AND DETECTOR UPGRADES.—

11 The Director shall upgrade accelerator facilities and detec-
12 tors, as necessary and appropriate, to increase beam
13 power, sustain high reliability, and improve precision
14 measurement to advance the highest priority particle phys-
15 ics research programs. In carrying out facility upgrades,
16 the Director shall continue to work with international
17 partners, when appropriate and in the United States’ in-
18 terest, to leverage investments and expertise in critical
19 technologies to help build and upgrade accelerator and de-
20 tector facilities in the United States.

21 “(i) ACCELERATOR AND DETECTOR RESEARCH AND
22 DEVELOPMENT.—As part of the program described in
23 subsection (b), the Director shall carry out research and
24 development in particle beam physics, accelerator science
25 and technology, and particle and radiation detection with

1 relevance to the specific needs of the High Energy Physics
2 program, in coordination with the Accelerator Research
3 and Development program authorized in section 310.

4 “(j) UNDERGROUND SCIENCE.—The Director shall—

5 “(1) support an underground science program
6 consistent with the missions of the Department and
7 the scientific needs of the High Energy Physics pro-
8 gram, including those articulated in the most recent
9 report of the Particle Physics Project Prioritization
10 Panel of the High Energy Physics Advisory Panel,
11 that leverages the capabilities of relevant under-
12 ground science and engineering facilities; and

13 “(2) carry out a competitive grant program to
14 award scientists and engineers at institutions of
15 higher education, nonprofit institutions, and Na-
16 tional Laboratories to conduct research in under-
17 ground science and engineering.

18 “(k) AUTHORIZATION OF APPROPRIATIONS.—There
19 are authorized to be appropriated to the Secretary to carry
20 out the activities described in this section—

21 “(1) \$1,355,690,000 for fiscal year 2022;

22 “(2) \$1,517,628,300 for fiscal year 2023;

23 “(3) \$1,652,112,281 for fiscal year 2024;

24 “(4) \$1,711,460,141 for fiscal year 2025; and

25 “(5) \$1,656,012,351 for fiscal year 2026.”.

1 **SEC. 10107. NUCLEAR PHYSICS PROGRAM.**

2 (a) PROGRAM.—Section 308 of the Department of
3 Energy Research and Innovation Act (42 U.S.C. 18646)
4 is amended—

5 (1) by redesignating subsection (b) as sub-
6 section (d); and

7 (2) by striking subsection (a) and inserting the
8 following:

9 “(a) PROGRAM.—As part of the activities authorized
10 under section 209 of the Department of Energy Organiza-
11 tion Act (42 U.S.C. 7139), the Director shall carry out
12 a research program, and support relevant facilities, to dis-
13 cover and understand various forms of nuclear matter.

14 “(b) USER FACILITIES.—

15 “(1) FACILITY FOR RARE ISOTOPE BEAMS.—

16 “(A) IN GENERAL.—The Secretary shall
17 support construction of a Facility for Rare Iso-
18 tope Beams to advance the understanding of
19 rare nuclear isotopes and the evolution of the
20 cosmos.

21 “(B) FUNDING.—Out of funds authorized
22 to be appropriated under subsection (c), there
23 shall be made available to the Secretary to
24 carry out construction of the facility under this
25 subsection \$2,000,000 for fiscal year 2022.

1 “(C) START OF OPERATIONS.—The Sec-
2 retary shall, subject to the availability of appro-
3 priations, ensure that the start of full oper-
4 ations of the facility under this section occurs
5 before March 1, 2022.

6 “(2) ELECTRON-ION COLLIDER.—

7 “(A) IN GENERAL.—The Secretary shall
8 support construction of an Electron Ion Collider
9 as described in the 2015 Long Range Plan of
10 the Nuclear Science Advisory Committee and
11 the report from the National Academies of
12 Science, Engineering, and Medicine titled ‘An
13 Assessment of U.S.-Based Electron-Ion Collider
14 Science’, in order to measure the internal struc-
15 ture of the proton and the nucleus and answer
16 fundamental questions about the nature of visi-
17 ble matter.

18 “(B) FACILITY CAPABILITY.—The Sec-
19 retary shall ensure that the facility meets the
20 requirements in the 2015 Long Range Plan, in-
21 cluding—

22 “(i) at least 70 percent polarized
23 beams of electrons and light ions;

24 “(ii) ion beams from deuterium to the
25 heaviest stable nuclei;

1 “(iii) variable center of mass energy
2 from 20 to 140 GeV;

3 “(iv) high collision luminosity of
4 $10^{33-34}\text{cm}^{-2}\text{s}^{-1}$; and

5 “(v) the possibility of more than one
6 interaction region.

7 “(C) START OF OPERATIONS.—The Sec-
8 retary shall, subject to the availability of appro-
9 priations, ensure that the start of full oper-
10 ations of the facility under this section occurs
11 before December 31, 2030.

12 “(D) FUNDING.—Out of funds authorized
13 to be appropriated under subsection (c), there
14 shall be made available to the Secretary to
15 carry out construction of the facility under this
16 subsection—

17 “(i) \$101,000,000 for fiscal year
18 2022;

19 “(ii) \$155,000,000 for fiscal year
20 2023;

21 “(iii) \$250,000,000 for fiscal year
22 2024;

23 “(iv) \$300,000,000 for fiscal year
24 2025; and

1 “(v) \$305,000,000 for fiscal year
2 2026.

3 “(c) AUTHORIZATION OF APPROPRIATIONS.—There
4 are authorized to be appropriated to the Secretary to carry
5 out the activities described in this section—

6 “(1) \$780,000,000 for fiscal year 2022;

7 “(2) \$879,390,000 for fiscal year 2023;

8 “(3) \$1,025,097,300 for fiscal year 2024;

9 “(4) \$1,129,354,111 for fiscal year 2025; and

10 “(5) \$1,192,408,899 for fiscal year 2026.”.

11 **SEC. 10108. ACCELERATOR RESEARCH AND DEVELOPMENT.**

12 The Department of Energy Research and Innovation
13 Act (42 U.S.C. 18601 et seq.) is amended by adding after
14 section 309 the following:

15 **“SEC. 310. ACCELERATOR RESEARCH AND DEVELOPMENT.**

16 “(a) PROGRAM.—As part of the activities authorized
17 under section 209 of the Department of Energy Organiza-
18 tion Act (42 U.S.C. 7139), the Director shall carry out
19 a research program to—

20 “(1) advance accelerator science and technology
21 relevant to the Department, other Federal agencies,
22 and U.S. industry;

23 “(2) foster partnerships to develop, dem-
24 onstrate, and enable the commercial application of
25 accelerator technologies;

1 “(3) support the development of a skilled, di-
2 verse, and inclusive accelerator workforce; and

3 “(4) provide access to accelerator design and
4 engineering resources.

5 “(b) ACCELERATOR RESEARCH.—In carrying out the
6 program authorized under subsection (a), the Director
7 shall support—

8 “(1) research activities in cross-cutting accel-
9 erator technologies including superconducting
10 magnets and accelerators, beam physics, data ana-
11 lytics-based accelerator controls, simulation software,
12 new particle sources, advanced laser technology, and
13 transformative research; and

14 “(2) optimal operation of the Accelerator Test
15 Facility.

16 “(c) ACCELERATOR DEVELOPMENT.—In carrying out
17 the program authorized under subsection (a), the Director
18 shall support partnerships to foster the development, dem-
19 onstration, and commercial application of accelerator tech-
20 nologies including, advanced superconducting wire and
21 cable, superconducting RF cavities, and high efficiency ra-
22 diofrequency power sources for accelerators.

23 “(d) RESEARCH COLLABORATIONS.—In developing
24 accelerator technologies under the program authorized in
25 subsection (a), the Director shall—

1 “(1) consider the requirements necessary to
2 support translational research and development for
3 medical, industrial, security, and defense applica-
4 tions; and

5 “(2) leverage investments in accelerator tech-
6 nologies and fundamental research in particle phys-
7 ics by partnering with institutes of higher education,
8 industry, and other Federal agencies to enable the
9 commercial application of advanced accelerator tech-
10 nologies.

11 “(e) AUTHORIZATION OF APPROPRIATIONS.—There
12 are authorized to be appropriated to the Secretary to carry
13 out the activities described in this section—

14 “(1) \$24,000,000 for fiscal year 2022;

15 “(2) \$25,680,000 for fiscal year 2023;

16 “(3) \$27,477,600 for fiscal year 2024;

17 “(4) \$29,401,032 for fiscal year 2025; and

18 “(5) \$31,459,104 for fiscal year 2026.”.

19 **SEC. 10109. ISOTOPE DEVELOPMENT AND PRODUCTION**
20 **FOR RESEARCH APPLICATIONS.**

21 The Department of Energy Research and Innovation
22 Act (42 U.S.C. 18601 et seq.) is amended by adding after
23 section 310 as added by this title, the following:

1 **“SEC. 311. ISOTOPE DEVELOPMENT AND PRODUCTION FOR**
2 **RESEARCH APPLICATIONS.**

3 “(a) IN GENERAL.—The Director—

4 “(1) shall carry out a program in coordination
5 with other relevant programs across the Department
6 for the production of isotopes, including the develop-
7 ment of techniques to produce isotopes, that the Sec-
8 retary determines are needed for research, medical,
9 industrial, or related purposes, to the maximum ex-
10 tent practicable, in accordance with the 2015 Nu-
11 clear Science Advisory Committee ‘Meeting Isotope
12 Needs and Capturing Opportunities For The Fu-
13 ture’ report; and

14 “(2) shall ensure that isotope production activi-
15 ties carried out under the program under this para-
16 graph do not compete with private industry unless
17 the Director determines that critical national inter-
18 ests require the involvement of the Federal Govern-
19 ment.

20 “(b) AUTHORIZATION OF APPROPRIATIONS.—There
21 are authorized to be appropriated to carry out the pro-
22 gram under this section—

23 “(1) \$90,000,000 for fiscal year 2022;

24 “(2) \$96,300,000 for fiscal year 2023;

25 “(3) \$103,041,000 for fiscal year 2024;

26 “(4) \$110,253,870 for fiscal year 2025; and

1 “(5) \$117,971,641 for fiscal year 2026.”.

2 **SEC. 10110. SCIENCE LABORATORIES INFRASTRUCTURE**
3 **PROGRAM.**

4 (a) PROGRAM.—Section 309 of the Department of
5 Energy Research and Innovation Act (42 U.S.C. 18647)
6 is amended by adding at the end the following:

7 “(c) APPROACH.—In carrying out this section, the
8 Director shall utilize all available approaches and mecha-
9 nisms, including capital line items, minor construction
10 projects, energy savings performance contracts, and utility
11 energy service contracts, as appropriate.

12 “(d) MID-SCALE INSTRUMENTATION PROGRAM.—
13 The Director, in coordination with each of the programs
14 carried out by the Office of Science, shall establish a mid-
15 scale instrumentation program to enable the development
16 and acquisition of novel, state-of-the-art instruments rang-
17 ing in cost from \$1 million to \$20 million each that would
18 significantly accelerate scientific breakthroughs at user fa-
19 cilities.

20 “(e) AUTHORIZATION OF APPROPRIATIONS.—There
21 are authorized to be appropriated to the Secretary to carry
22 out the activities described in this section \$500,000,000
23 for each of fiscal years 2022 through 2026.”.

1 **SEC. 10111. INCREASED COLLABORATION WITH TEACHERS**
2 **AND SCIENTISTS.**

3 (a) IN GENERAL.—The Department of Energy Re-
4 search and Innovation Act (42 U.S.C. 18601 et seq.) is
5 amended by adding after section 311, as added by this
6 title, the following:

7 **“SEC. 312. INCREASED COLLABORATION WITH TEACHERS**
8 **AND SCIENTISTS.**

9 “The Director shall support the development of a sci-
10 entific workforce through programs that facilitate collabo-
11 ration between K–12, university students, early-career re-
12 searchers, faculty, and the National Laboratories, includ-
13 ing through the use of proven techniques to expand the
14 number of individuals from underrepresented groups pur-
15 suing and attaining skills or undergraduate and graduate
16 degrees relevant to the Office’s mission.”.

17 (b) AUTHORIZATION OF APPROPRIATIONS.—Section
18 3169 of the Department of Energy Science Education En-
19 hancement Act (42 U.S.C. 7381e) is amended—

20 (1) by striking, “programs”, and inserting
21 “programs, including the NSF INCLUDES Na-
22 tional Network,”; and

23 (2) by striking, “year 1991”, and inserting
24 “years 2022 through 2026”.

25 (c) BROADENING PARTICIPATION IN WORKFORCE
26 DEVELOPMENT FOR TEACHERS AND SCIENTISTS.—

1 (1) IN GENERAL.—The Department of Energy
2 Science Education Enhancement Act (42 U.S.C.
3 7381 et seq.) is amended by inserting the following
4 sections after section 3167 (42 U.S.C. 7381c–1):

5 **“SEC. 3167A. BROADENING PARTICIPATION FOR TEACHERS**
6 **AND SCIENTISTS.**

7 “(a) IN GENERAL.—The Secretary shall expand op-
8 portunities to increase the number and the diversity, eq-
9 uity, and inclusion of highly skilled science, technology, en-
10 gineering, and mathematics (STEM) professionals work-
11 ing in Department of Energy mission-relevant disciplines
12 and broaden the recruitment pool to increase diversity, in-
13 cluding expanded partnerships with Historically Black
14 Colleges, Tribal Colleges, Minority Serving Institutions,
15 emerging research institutions, and scientific societies.

16 “(b) PLAN.—Not later than 1 year after the date of
17 enactment of the America COMPETES Act of 2022, the
18 Secretary shall submit to the Committee on Science,
19 Space, and Technology of the House of Representatives
20 and the Committee on Energy and Natural Resources and
21 the Committee on Commerce, Science, and Transportation
22 of the Senate and make available to the public a plan for
23 broadening participation of underrepresented groups in
24 science, technology, engineering, and mathematics in pro-

1 grams supported by the Department programs, includ-
2 ing—

3 “(1) a plan for supporting and leveraging the
4 National Science Foundation INCLUDES National
5 Network;

6 “(2) metrics for assessing the participation of
7 underrepresented groups in Department programs;

8 “(3) experienced and potential barriers to
9 broadening participation of underrepresented groups
10 in Department programs, including recommended
11 solutions; and

12 “(4) any other activities the Secretary finds ap-
13 propriate.

14 “(c) AUTHORIZATION OF APPROPRIATIONS.—Of the
15 amounts authorized to be appropriated in section 3169
16 (42 U.S.C. 7381e), at least \$2,000,000 shall be made
17 available each fiscal year for the activities described under
18 this subsection.

19 **“SEC. 3167B. EXPANDING OPPORTUNITIES TO INCREASE**
20 **THE DIVERSITY, EQUITY, AND INCLUSION OF**
21 **HIGHLY SKILLED SCIENCE, TECHNOLOGY,**
22 **ENGINEERING, AND MATHEMATICS (STEM)**
23 **PROFESSIONALS.**

24 “(a) IN GENERAL.—The Secretary shall expand op-
25 portunities to increase the number and the diversity, eq-

1 uity, and inclusion of highly skilled science, technology, en-
2 gineering, and mathematics (STEM) professionals work-
3 ing in Department of Energy mission-relevant disciplines
4 and broaden the recruitment pool to increase diversity, in-
5 cluding expanded partnerships with minority-serving insti-
6 tutions, non-Research I universities, and scientific soci-
7 eties.

8 “(b) PLAN AND OUTREACH STRATEGY.—

9 “(1) PLAN.—Not later than 6 months after the
10 date of enactment of the America COMPETES Act
11 of 2022, the Secretary shall submit to the Com-
12 mittee on Science, Space, and Technology of the
13 House of Representatives and the Committee on En-
14 ergy and Natural Resources of the Senate a 10-year
15 educational plan to fund and expand new or existing
16 programs administered by the Office of Science and
17 sited at the National Laboratories and Department
18 of Energy user facilities to expand educational and
19 workforce opportunities for underrepresented high
20 school, undergraduate, and graduate students as
21 well as recent graduates, teachers and faculty in
22 STEM fields. This may include paid internships, fel-
23 lowships, temporary employment, training programs,
24 visiting student and faculty programs, sabbaticals,
25 and research support.

1 “(2) OUTREACH CAPACITY.—The Secretary
2 shall include in the plan under paragraph (1) an
3 outreach strategy to improve the advertising, recruit-
4 ment, and promotion of educational and workforce
5 programs to community colleges, Historically Black
6 Colleges and Universities, Tribal Colleges, Minority
7 Serving Institutions, and emerging research institu-
8 tions.

9 “(c) BUILDING RESEARCH CAPACITY.—The Sec-
10 retary shall develop programs that strengthen the research
11 capacity relevant to Office of Science disciplines at emerg-
12 ing research institutions, including minority-serving insti-
13 tutions, tribal colleges and universities, Historically Black
14 Colleges and Universities, and colleges and universities.
15 This may include enabling mutually beneficial and jointly
16 managed partnerships between research-intensive institu-
17 tions and emerging research institutions, and soliciting re-
18 search proposals, fellowships, training programs, and re-
19 search support directly from emerging research institu-
20 tions.

21 “(d) TRAINEESHIPS.—The Secretary shall establish
22 a university-led Traineeship Program to address workforce
23 training needs in STEM fields relevant to the Depart-
24 ment. The focus should be on supporting training and re-
25 search experiences for underrepresented undergraduate

1 and graduate students and increasing participation from
2 underrepresented populations. The traineeships should in-
3 clude opportunities to build the next-generation workforce
4 in research areas critical to maintaining core competencies
5 across the Office of Science’s programs.

6 “(e) EVALUATION.—The Secretary shall establish key
7 performance indicators to measure and monitor progress
8 of education and workforce programs and expand Depart-
9 mental activities for data collection and analysis. The Sec-
10 retary shall submit a report 2 years after the date of en-
11 actment of the America COMPETES Act of 2022, and
12 every 2 years thereafter, to the Committee on Science,
13 Space, and Technology of the House of Representatives
14 and the Committee on Energy and Natural Resources of
15 the Senate summarizing progress toward meeting key per-
16 formance indicators.

17 “(f) DEFINITIONS.—In this section:

18 “(1) MINORITY-SERVING INSTITUTION.—The
19 term ‘minority-serving institution’ includes the enti-
20 ties described in any of paragraphs (1) through (7)
21 of section 371(a) of the Higher Education Act of
22 1965 (20 U.S.C. 1067q(a)).

23 “(2) HISTORICALLY BLACK COLLEGE AND UNI-
24 VERSITIES.—The term ‘Historically Black Colleges
25 and Universities’ has the meaning given in ‘part B

1 institution' in section 322 of the Higher Education
2 Act of 1965 (20 U.S.C. 1061).

3 “(3) STEM.—The term ‘STEM’ means the
4 field or disciplines listed in section 2 of the STEM
5 Education Act of 2015 (42 U.S.C. 6621 note).

6 “(4) TRIBAL COLLEGES AND UNIVERSITIES.—
7 The term ‘Tribal College or University’ has the
8 meaning given in section 316 of the Higher Edu-
9 cation Act of 1965 (20 U.S.C. 1059e).”.

10 (2) CLERICAL AMENDMENT.—The table of con-
11 tents in section 2(b) of the National Defense Au-
12 thorization Act for Fiscal Year 1991 is amended by
13 inserting after the item relating to section 3167 the
14 following:

“Sec. 3167A. Broadening participation for teachers and scientists.

“Sec. 3167B. Expanding opportunities to increase the diversity, equity, and in-
clusion of highly skilled science, technology, engineering, and
mathematics (STEM) professionals.”.

15 **SEC. 10112. HIGH INTENSITY LASER RESEARCH INITIATIVE;**
16 **OFFICE OF SCIENCE EMERGING INFECTIOUS**
17 **DISEASE COMPUTING RESEARCH INITIATIVE;**
18 **HELIUM CONSERVATION PROGRAM; AUTHOR-**
19 **IZATION OF APPROPRIATIONS.**

20 (a) IN GENERAL.—The Department of Energy Re-
21 search and Innovation Act (42 U.S.C. 18601 et seq.) is
22 amended by adding at the end the following:

1 **“SEC. 313. HIGH INTENSITY LASER RESEARCH INITIATIVE.**

2 “(a) IN GENERAL.—The Director shall establish a
3 high intensity laser research initiative consistent with the
4 recommendations of the National Academies report, ‘Op-
5 portunities in Intense Ultrafast Lasers: Reaching for the
6 Brightest Light’, and the report from the Brightest Light
7 Initiative workshop on ‘The Future of Intense Ultrafast
8 Lasers in the U.S.’. This initiative should include research
9 and development of petawatt-scale and of high average
10 power laser technologies necessary for future facility needs
11 in discovery science and to advance energy technologies,
12 as well as support for a user network of academic and
13 national laboratory high intensity laser facilities.

14 “(b) LEVERAGE.—The Director shall leverage new
15 laser technologies for more compact, less complex, and
16 low-cost accelerator systems needed for science applica-
17 tions.

18 “(c) COORDINATION.—The Director shall coordinate
19 this initiative among all relevant programs within the Of-
20 fice of Science, and the Under Secretary for Science shall
21 coordinate this initiative with other relevant programs
22 within the Department as well as within other Federal
23 agencies.

24 “(d) AUTHORIZATION OF APPROPRIATIONS.—Out of
25 funds authorized to be appropriated for the Office of
26 Science there are authorized to be appropriated to the Sec-

1 retary to carry out the activities described in this sec-
2 tion—

3 “(1) \$50,000,000 for fiscal year 2022;

4 “(2) \$100,000,000 for fiscal year 2023;

5 “(3) \$150,000,000 for fiscal year 2024;

6 “(4) \$200,000,000 for fiscal year 2025; and

7 “(5) \$250,000,000 for fiscal year 2026.

8 **“SEC. 314. HELIUM CONSERVATION PROGRAM.**

9 “(a) IN GENERAL.—The Secretary shall establish a
10 program to reduce the consumption of helium for Depart-
11 ment grant recipients and facilities and encourage helium
12 recycling and reuse. The program shall competitively
13 award grants for—

14 “(1) the purchase of equipment to capture,
15 reuse, and recycle helium;

16 “(2) the installation, maintenance, and repair
17 of new and existing helium capture, reuse, and recy-
18 cling equipment; and

19 “(3) helium alternatives research and develop-
20 ment activities.

21 “(b) REPORT.—In carrying out the program under
22 this section, the Director shall submit to the Committee
23 on Science, Space, and Technology of House of Represent-
24 atives and the Committee on Energy and Natural Re-
25 sources of the Senate a report, not later than two years

1 after the date of enactment of the America COMPETES
2 Act of 2022, and every 3 years thereafter, on the purchase
3 of helium as part of research projects and facilities sup-
4 ported by the Department. The report shall include—

5 “(1) the quantity of helium purchased for
6 projects and facilities supported by Department
7 grants;

8 “(2) a cost-analysis for such helium;

9 “(3) the predominant production sources for
10 such helium;

11 “(4) expected or experienced impacts of helium
12 supply shortages or prices on the research projects
13 and facilities supported by the Department; and

14 “(5) recommendations for reducing Department
15 grant recipients’ exposure to volatile helium prices.

16 “(c) COORDINATION.—In carrying out the program
17 under this section, the Director shall coordinate with the
18 National Science Foundation and other relevant Federal
19 agencies on helium conservation activities.

20 “(d) DURATION.—The program established under
21 this section shall receive support for a period of not more
22 than 5 years, subject to the availability of appropriations.

23 “(e) RENEWAL.—Upon expiration of any period of
24 support of the program under this section, the Director

1 may renew support for the program for a period of not
2 more than 5 years.

3 **“SEC. 315. OFFICE OF SCIENCE EMERGING INFECTIOUS**
4 **DISEASE COMPUTING RESEARCH INITIATIVE.**

5 “(a) IN GENERAL.—The Secretary, in coordination
6 with the Director of the National Science Foundation and
7 the Administrator of the National Aeronautics and Space
8 Administration, shall establish within the Office of
9 Science, a cross-cutting research initiative to leverage the
10 Federal Government’s innovative analytical resources and
11 tools, user facilities, and advanced computational and net-
12 working capabilities in order to prevent, prepare for, and
13 respond to emerging infectious diseases, including
14 COVID–19. The Secretary shall carry out this initiative
15 through a competitive, merit-reviewed process, and con-
16 sider applications from National Laboratories, institutions
17 of higher education, multi-institutional collaborations, in-
18 dustry partners and other appropriate entities.

19 “(b) ACTIVITIES.—In carrying out the initiative es-
20 tablished under subsection (a), the Secretary shall coordi-
21 nate with programs across the Office of Science and with
22 relevant Federal agencies to determine a comprehensive
23 set of technical milestones for these research activities and
24 prioritize the following objectives—

1 “(1) supporting fundamental research and de-
2 velopment in advanced analytics, experimental stud-
3 ies, materials synthesis, high-performance computing
4 technologies needed to characterize, model, simulate,
5 and predict complex phenomena and biological mate-
6 rials related to emerging infectious diseases, includ-
7 ing COVID–19 challenges, including a focus on test-
8 ing and diagnostics, experimental data acquisition,
9 sharing and management, advanced manufacturing,
10 and molecular design and modeling;

11 “(2) using expertise from the private sector, in-
12 stitutions of higher education, and the National
13 Laboratories to develop computational software and
14 capabilities that prospective users may accelerate
15 emerging infectious diseases research and develop-
16 ment;

17 “(3) leveraging the research infrastructure of
18 the Department, including scientific computing user
19 facilities, x-ray light sources, neutron scattering fa-
20 cilities, nanoscale science research centers, and se-
21 quencing and bio-characterization facilities by co-
22 ordinating with the Advanced Scientific Computing
23 Research, Basic Energy Sciences, and Biological and
24 Environmental Research programs within the Office
25 of Science;

1 “(4) leveraging experience from existing mod-
2 eling and simulation research and work sponsored by
3 the Department and promoting collaboration and
4 data sharing between National Laboratories, re-
5 search entities, and user facilities of the Department
6 by providing the necessary access and secure data
7 transfer capabilities; and

8 “(5) ensuring that new experimental and com-
9 putational tools are accessible to relevant research
10 communities, including private sector entities to ad-
11 dress emerging infectious diseases, including
12 COVID–19 challenges.

13 “(c) COORDINATION.—In carrying out this initiative,
14 the Secretary shall ensure, to the maximum extent prac-
15 ticable, coordination of these activities with the Depart-
16 ment of Energy National Laboratories, institutions of
17 higher education, and the private sector.

18 “(d) EMERGING INFECTIOUS DISEASES HIGH PER-
19 FORMANCE COMPUTING RESEARCH CONSORTIUM.—

20 “(1) IN GENERAL.—The Secretary in coordina-
21 tion with the Director of the National Science Foun-
22 dation and the Director of the Office of Science and
23 Technology Policy shall establish and operate an
24 Emerging Infectious Diseases High Performance
25 Computing Research Consortium (referred to in this

1 section as the ‘Consortium’), to support the initiative
2 under subsection (a) by providing, to the extent
3 practicable, a centralized entity for multidisciplinary,
4 collaborative, emerging infectious disease research
5 and development through high performance com-
6 puting and advanced data analytics technologies and
7 processes.

8 “(2) MEMBERSHIP.—The members of such con-
9 sortium may include representatives from relevant
10 Federal agencies, the private sector, institutions of
11 higher education, which can each contribute relevant
12 compute time, capabilities, or other resources.

13 “(3) ACTIVITIES.—The Consortium shall—

14 “(A) match applicants with available Fed-
15 eral and private sector computing resources;

16 “(B) consider supplemental awards for
17 computing partnerships with Consortium mem-
18 bers to qualifying entities on a competitive
19 merit-review basis;

20 “(C) encourage collaboration and commu-
21 nication among member representatives of the
22 consortium and awardees;

23 “(D) make available the high-performance
24 computing capabilities, expertise, and user fa-

1 ilities of the Department and the National
2 Laboratories; and

3 “(E) submit an annual report to the Sec-
4 retary summarizing the activities of the Consor-
5 tium, including—

6 “(i) describing each project under-
7 taken by the Consortium;

8 “(ii) detailing organizational expendi-
9 tures; and

10 “(iii) evaluating contribution to the
11 achievement of technical milestones as de-
12 termined in subsection (a).

13 “(4) COORDINATION.—The Secretary shall en-
14 sure the coordination of, and avoid unnecessary du-
15 plication of, the activities of the Consortium with the
16 activities of other research entities of the Depart-
17 ment, institutions of higher education and the pri-
18 vate sector.

19 “(e) REPORT.—Not later than 2 years after the date
20 of enactment of the America COMPETES Act of 2022,
21 the Secretary shall submit to the Committee on Science,
22 Space, and Technology of the House, and the Committee
23 on Energy and Natural Resources of the Senate, and the
24 Committee on Commerce, Science, and Transportation of
25 the Senate a report detailing the effectiveness of—

1 “(1) the interagency coordination between each
2 Federal agency involved in the research initiative
3 carried out under this section;

4 “(2) the collaborative research achievements of
5 the initiative, including the achievement of the tech-
6 nical milestones determined under subsection (a);
7 and

8 “(3) potential opportunities to expand the tech-
9 nical capabilities of the Department.

10 “(f) FUNDING.—From within funds authorized to be
11 appropriated for the Department’s Office of Science, there
12 shall be made available to the Secretary to carry out the
13 activities under this subsection, \$50,000,000 for fiscal
14 years 2022 and 2023.

15 “(g) PROHIBITION.—

16 “(1) IN GENERAL.—In carrying out this Act,
17 the Secretary may not carry out gain-of-function re-
18 search of concern.

19 “(2) GAIN-OF-FUNCTION RESEARCH DE-
20 FINED.—For the purposes of this subsection, ‘gain-
21 of-function research of concern’ means research ac-
22 tivities with the potential to generate pathogens with
23 high transmissibility and high virulence in humans.

1 **“SEC. 316. AUTHORIZATION OF APPROPRIATIONS.**

2 “There are authorized to be appropriated to the Sec-
3 retary to carry out the activities described in this title—

4 “(1) \$8,801,915,000 for fiscal year 2022;

5 “(2) \$9,451,015,300 for fiscal year 2023;

6 “(3) \$10,160,677,621 for fiscal year 2024;

7 “(4) \$10,693,625,004 for fiscal year 2025; and

8 “(5) \$11,145,798,345 for fiscal year 2026.”.

9 (b) TABLE OF CONTENTS.—Section 1(b) of the De-
10 partment of Energy Research and Innovation Act is
11 amended in the table of contents by inserting after the
12 item relating to section 309 the following:

“Sec. 310. Accelerator research and development.

“Sec. 311. Isotope Development and Production for Research Applications.

“Sec. 312. Increased collaboration with teachers and scientists.

“Sec. 313. High intensity laser research initiative.

“Sec. 314. Helium conservation program.

“Sec. 315. Office of Science Emerging Infectious Disease Computing Research
Initiative.

“Sec. 316. Authorization of appropriations.”.

13 **SEC. 10113. STATE-OWNED ENTERPRISES PROHIBITION.**

14 (a) INNOVATE IN AMERICA.—In carrying out this
15 title or the amendments made by this title, the Secretary
16 may not award a contract, subcontract, grant, or loan to
17 an entity that—

18 (1) is owned or controlled by, is a subsidiary of,
19 or is otherwise related legally or financially to a cor-
20 poration based in a country that—

21 (A) is identified as a nonmarket economy
22 country (as defined in section 771(18) of the

1 Tariff Act of 1930 (19 U.S.C. 1677(18))) as of
2 the date of enactment of this Act;

3 (B) was identified by the United States
4 Trade Representative in the most recent report
5 required by section 182 of the Trade Act of
6 1974 (19 U.S.C. 2242) as a priority foreign
7 country under subsection (a)(2) of that section;
8 and

9 (C) is subject to monitoring by the Trade
10 Representative under section 306 of the Trade
11 Act of 1974 (19 U.S.C. 2416); or

12 (2) is listed pursuant to section 9(b)(3) of the
13 Uyghur Human Rights Policy Act of 2020 (Public
14 Law 116–145).

15 (b) EXCEPTION.—For purposes of subsection (a), the
16 Secretary may issue a waiver, to be made publicly avail-
17 able, to an entity in which the legal or financial connection
18 to a corporation is a minority relationship or investment.

19 (c) INTERNATIONAL AGREEMENTS.—This section
20 shall be applied in a manner consistent with the obliga-
21 tions of the United States under international agreements.

22 **SEC. 10114. DETERMINATION OF BUDGETARY EFFECTS.**

23 The budgetary effects of this title, for the purpose
24 of complying with the Statutory Pay-As-You-Go Act of
25 2010, shall be determined by reference to the latest state-

1 ment titled “Budgetary Effects of PAYGO Legislation”
2 for this title, submitted for printing in the Congressional
3 Record by the Chairman of the House Budget Committee,
4 provided that such statement has been submitted prior to
5 the vote on passage.

6 **TITLE II—NATIONAL INSTITUTE**
7 **OF STANDARDS AND TECH-**
8 **NOLOGY FOR THE FUTURE**
9 **ACT OF 2021**

10 **SEC. 10201. DEFINITIONS.**

11 In this title:

12 (1) **DIRECTOR.**—The term “Director” means
13 the Director of the National Institute of Standards
14 and Technology.

15 (2) **FRAMEWORK.**—The term “Framework”
16 means the Framework for Improving Critical Infra-
17 structure Cybersecurity developed by the National
18 Institute of Standards and Technology and referred
19 to in Executive Order 13800 issued on May 11,
20 2017 (82 Fed. Reg. 22391 et seq.).

21 (3) **HISTORICALLY BLACK COLLEGES AND UNI-**
22 **VERSITIES.**—The term “historically Black colleges
23 and universities” has the same meaning given to the
24 term “part B institutions” in section 322 of the
25 Higher Education Act of 1965 (20 U.S.C. 1061).

1 (4) INSTITUTE.—The term “Institute” means
2 the National Institute of Standards and Technology.

3 (5) INSTITUTION OF HIGHER EDUCATION.—The
4 term “institution of higher education” has the
5 meaning given such term in section 101 of the High-
6 er Education Act of 1965 (20 U.S.C. 1001).

7 (6) INTERNATIONAL STANDARDS ORGANIZA-
8 TION.—The term “International Standards Organi-
9 zation” has the meaning given such term in section
10 451 of the Trade Agreements Act of 1979 (19
11 U.S.C. 2571).

12 (7) MINORITY SERVING INSTITUTION.—The
13 term “minority-serving institution” means a His-
14 panic-serving institution, an Alaska Native-serving
15 institution, a Native Hawaiian-serving institutions, a
16 Predominantly Black Institution, an Asian American
17 and Native American Pacific Islander-serving insti-
18 tution, or a Native American-serving nontribal insti-
19 tution as described in section 371 of the Higher
20 Education Act of 1965 (20 U.S.C. 1067q(a)).

21 (8) SECRETARY.—The term “Secretary” means
22 the Secretary of Commerce.

23 (9) TECHNICAL STANDARDS.—The term “tech-
24 nical standard” has the meaning given such term in

1 section 12(d)(5) of the National Technology Trans-
2 fer and Advancement Act of 1995.

3 **Subtitle A—Appropriations**

4 **SEC. 10211. AUTHORIZATION OF APPROPRIATIONS.**

5 (a) FISCAL YEAR 2022.—

6 (1) IN GENERAL.—There are authorized to be
7 appropriated to the Secretary of Commerce
8 \$1,409,070,000 for the National Institute of Stand-
9 ards and Technology for fiscal year 2022.

10 (2) SPECIFIC ALLOCATIONS.—Of the amount
11 authorized by paragraph (1)—

12 (A) \$915,570,000 shall be for scientific
13 and technical research and services laboratory
14 activities, of which \$9,000,000 may be trans-
15 ferred to the Working Capital Fund;

16 (B) \$22,000,000 shall be for the Director
17 for the purpose of investigating the building col-
18 lapse that occurred in Surfside, Florida on
19 June 24, 2021, to understand the source of
20 failure, to provide recommendations for how to
21 rectify any shortcomings in existing building
22 standards in order to prevent future similar dis-
23 asters, and to inform future building codes for
24 similar structures, in coordination with State
25 and local offices and other Federal agencies as

1 appropriate, consistent with the Institute's re-
2 sponsibilities under the National Construction
3 Safety Team Act of 2002 (Public Law 107-
4 231).

5 (C) \$140,000,000 shall be for the con-
6 struction and maintenance of facilities, of which
7 \$80,000,000 shall be for Safety, Capacity,
8 Maintenance, and Major Repairs;

9 (D) \$331,500,000 shall be for industrial
10 technology services activities, of which
11 \$275,000,000 shall be for the Manufacturing
12 Extension Partnership program under sections
13 25 and 26 of the National Institute of Stand-
14 ards and Technology Act (15 U.S.C. 278k and
15 278l) and \$56,500,000 shall be for the Network
16 for Manufacturing Innovation Program under
17 section 34 of the National Institute of Stand-
18 ards and Technology Act (15 U.S.C. 278s); and

19 (b) FISCAL YEAR 2023.—

20 (1) IN GENERAL.—There are authorized to be
21 appropriated to the Secretary of Commerce
22 \$1,518,800,000 for the National Institute of Stand-
23 ards and Technology for fiscal year 2023.

24 (2) SPECIFIC ALLOCATIONS.—Of the amount
25 authorized by paragraph (1)—

1 (A) \$979,100,000 shall be for scientific
2 and technical research and services laboratory
3 activities, of which \$10,000,000 may be trans-
4 ferred to the Working Capital Fund;

5 (B) \$200,000,000 shall be for the con-
6 struction and maintenance of facilities, of which
7 \$80,000,000 shall be for Safety, Capacity,
8 Maintenance, and Major Repairs, including
9 \$20,000,000 for IT infrastructure; and

10 (C) \$339,800,000 shall be for industrial
11 technology services activities, of which
12 \$283,300,000 shall be for the Manufacturing
13 Extension Partnership program under sections
14 25 and 26 of the National Institute of Stand-
15 ards and Technology Act (15 U.S.C. 278k and
16 278l) and \$56,500,000 shall be for the Network
17 for Manufacturing Innovation Program under
18 section 34 of the National Institute of Stand-
19 ards and Technology Act (15 U.S.C. 278s).

20 (c) FISCAL YEAR 2024.—

21 (1) IN GENERAL.—There are authorized to be
22 appropriated to the Secretary of Commerce
23 \$1,595,800,000 for the National Institute of Stand-
24 ards and Technology for fiscal year 2024.

1 (2) SPECIFIC ALLOCATIONS.—Of the amount
2 authorized by paragraph (1)—

3 (A) \$1,047,600,000 shall be for scientific
4 and technical research and services laboratory
5 activities, of which \$12,000,000 may be trans-
6 ferred to the Working Capital Fund;

7 (B) \$200,000,000 shall be for the con-
8 struction and maintenance of facilities, of which
9 \$80,000,000 shall be for Safety, Capacity,
10 Maintenance, and Major Repairs, including
11 \$20,000,000 for IT infrastructure; and

12 (C) \$348,200,000 shall be for industrial
13 technology services activities, of which
14 \$291,700,000 shall be for the Manufacturing
15 Extension Partnership program under sections
16 25 and 26 of the National Institute of Stand-
17 ards and Technology Act (15 U.S.C. 278k and
18 278l) and \$56,500,000 shall be for the Network
19 for Manufacturing Innovation Program under
20 section 34 of the National Institute of Stand-
21 ards and Technology Act (15 U.S.C. 278s).

22 (d) FISCAL YEAR 2025.—

23 (1) IN GENERAL.—There are authorized to be
24 appropriated to the Secretary of Commerce

1 \$1,677,900,000 for the National Institute of Stand-
2 ards and Technology for fiscal year 2025.

3 (2) SPECIFIC ALLOCATIONS.—Of the amount
4 authorized by paragraph (1)—

5 (A) \$1,120,900,000 shall be for scientific
6 and technical research and services laboratory
7 activities, of which \$15,000,000 may be trans-
8 ferred to the Working Capital Fund;

9 (B) \$200,000,000 shall be for the con-
10 struction and maintenance of facilities, of which
11 \$80,000,000 shall be for Safety, Capacity,
12 Maintenance, and Major Repairs, including
13 \$20,000,000 for IT infrastructure; and

14 (C) \$357,000,000 shall be for industrial
15 technology services activities, of which
16 \$300,500,000 shall be for the Manufacturing
17 Extension Partnership program under sections
18 25 and 26 of the National Institute of Stand-
19 ards and Technology Act (15 U.S.C. 278k and
20 278l) and \$56,500,000 shall be for the Network
21 for Manufacturing Innovation Program under
22 section 34 of the National Institute of Stand-
23 ards and Technology Act (15 U.S.C. 278s).

24 (e) FISCAL YEAR 2026.—

1 (1) IN GENERAL.—There are authorized to be
2 appropriated to the Secretary of Commerce
3 \$1,765,400,000 for the National Institute of Stand-
4 ards and Technology for fiscal year 2026.

5 (2) SPECIFIC ALLOCATIONS.—Of the amount
6 authorized by paragraph (1)—

7 (A) \$1,199,400,000 shall be for scientific
8 and technical research and services laboratory
9 activities, of which \$18,000,000 may be trans-
10 ferred to the Working Capital Fund;

11 (B) \$200,000,000 shall be for the con-
12 struction and maintenance of facilities, of which
13 \$80,000,000 shall be for Safety, Capacity,
14 Maintenance, and Major Repairs, including
15 \$20,000,000 for IT infrastructure; and

16 (C) \$366,000,000 shall be for industrial
17 technology services activities, of which
18 \$309,500,000 shall be for the Manufacturing
19 Extension Partnership program under sections
20 25 and 26 of the National Institute of Stand-
21 ards and Technology Act (15 U.S.C. 278k and
22 23 278l) and \$56,500,000 shall be for the Net-
23 work for Manufacturing Innovation Program
24 under section 34 of the National Institute of

1 Standards and Technology Act (15 U.S.C.
2 278s).

3 **Subtitle B—Measurement Research**

4 **SEC. 10221. ENGINEERING BIOLOGY AND BIOMETROLOGY.**

5 (a) IN GENERAL.—The Director shall—

6 (1) support basic measurement science, tech-
7 nology research for engineering biology, biomanufac-
8 turing, and biometrology to advance—

9 (A) measurement technologies to support
10 foundational understanding of the mechanisms
11 of conversion of DNA information into cellular
12 function, including both the natural and engi-
13 neered production of biomolecules;

14 (B) technologies for measurement of such
15 biomolecular components and for complex engi-
16 neered biological systems;

17 (C) new data tools, techniques, and proc-
18 esses to improve engineering biology, biomanu-
19 facturing, and biometrology research; and

20 (D) all other areas deemed by the Director
21 to be critical to the development and deploy-
22 ment of engineering biology, biomanufacturing
23 and biometrology;

24 (2) support activities to inform and expand the
25 development of measurements infrastructure needed

1 to develop technical standards to establish interoper-
2 ability and facilitate commercial development of bio-
3 molecular measurement technology and engineering
4 biology applications;

5 (3) convene industry, institutions of higher edu-
6 cation, nonprofit organizations, Federal laboratories,
7 and other Federal agencies engaged in engineering
8 biology research and development to develop coordi-
9 nated technical roadmaps for authoritative measure-
10 ment of the molecular components of the cell;

11 (4) provide access to user facilities with ad-
12 vanced or unique equipment, services, materials, and
13 other resources to industry, institutions of higher
14 education, nonprofit organizations, and government
15 agencies to perform research and testing;

16 (5) establish or expand collaborative partner-
17 ships or consortia with other Federal agencies en-
18 gaged in engineering biology research and develop-
19 ment, institutions of higher education, Federal lab-
20 oratories, and industry to advance engineering biol-
21 ogy applications; and

22 (6) support graduate and post graduate re-
23 search and training in biometrology, biomanufac-
24 turing, and engineering biology.

1 (b) DEFINITIONS.—For purposes of this section, the
2 term “Engineering Biology” means the application of en-
3 gineering design principles and practices to biological sys-
4 tems, including molecular and cellular systems, to advance
5 fundamental understanding of complex natural systems
6 and to enable novel or optimized functions and capabili-
7 ties.

8 (c) RULE OF CONSTRUCTION.—Nothing in this sec-
9 tion shall be construed to alter the policies, processes, or
10 practices of individual Federal agencies in effect on the
11 day before the date of the enactment of this Act relating
12 to the conduct of biomedical research and advanced devel-
13 opment, including the solicitation and review of extra-
14 mural research proposals.

15 (d) CONTROLS.—In carrying out activities authorized
16 by this section, the Secretary shall ensure proper security
17 controls are in place to protect sensitive information, as
18 appropriate.

19 **SEC. 10222. GREENHOUSE GAS MEASUREMENT RESEARCH.**

20 (a) GREENHOUSE GAS MEASUREMENT PROGRAM.—

21 (1) IN GENERAL.—The Director, in consulta-
22 tion with the Administrator of the National Oceanic
23 and Atmospheric Administration and the Adminis-
24 trator of the Environmental Protection Agency, shall
25 carry out a measurement research program to in-

1 form the development of best practices, benchmarks,
2 methodologies, procedures, and technical standards
3 for the measurement of greenhouse gas emissions
4 and to assess and improve the performance of green-
5 house gas emissions measurement systems.

6 (2) ACTIVITIES.—In carrying out such a pro-
7 gram, the Director may—

8 (A) conduct research and testing to im-
9 prove the accuracy, efficacy, and reliability of
10 the measurement of greenhouse gas emissions
11 at a range of scales that covers direct measure-
12 ment at the component or process level through
13 atmospheric observations;

14 (B) conduct research to create novel meas-
15 urement technologies and techniques for the
16 measurement of greenhouse gas emissions;

17 (C) convene and engage with relevant Fed-
18 eral agencies and stakeholders to establish com-
19 mon definitions and characterizations for the
20 measurement of greenhouse gas emissions, tak-
21 ing into account any existing United States and
22 international technical standards and guidance;

23 (D) conduct outreach and coordination to
24 share technical expertise with relevant industry
25 and non-industry stakeholders and standards

1 development organizations to assist such enti-
2 ties in the development of best practices and
3 technical standards for greenhouse gas emis-
4 sions measurements; and

5 (E) in coordination with the Administrator
6 of the National Oceanic and Atmospheric Ad-
7 ministration and the Administrator of the Envi-
8 ronmental Protection Agency, develop such
9 standard reference materials as the Director de-
10 termines is necessary to further the develop-
11 ment of such technical standards, taking into
12 account any existing United States or inter-
13 national standards.

14 (3) TEST BEDS.—In coordination with the pri-
15 vate sector, institutions of higher education, State
16 and local governments, the National Oceanic and At-
17 mospheric Administration, the Environmental Pro-
18 tection Agency, and other Federal agencies, as ap-
19 propriate, the Director may continue to develop and
20 manage testbeds to advance research and standards
21 development for greenhouse gas emissions measure-
22 ments.

23 (4) GREENHOUSE GAS MEASUREMENT CENTER
24 OF EXCELLENCE.—

1 (A) IN GENERAL.—The Director, in col-
2 laboration with the Administrator of the Na-
3 tional Oceanic and Atmospheric Administration,
4 the Administrator of the Environmental Protec-
5 tion Agency, and the heads of other Federal
6 agencies, as appropriate, shall award to an in-
7 stitution of higher education or an eligible non-
8 profit organization (or a consortium thereof),
9 on a merit-reviewed, competitive basis, funds to
10 establish a Center of Excellence in Greenhouse
11 Gas Measurement.

12 (B) COLLABORATIONS.—The Director
13 shall require, as a condition of receipt of the
14 award under this paragraph, that the activities
15 of the Center of Excellence include collaboration
16 among public and private organizations, includ-
17 ing institutions of higher education, nonprofit
18 organizations, private sector entities, and State,
19 tribal, territorial, and local officials.

20 (C) PURPOSE.—The purpose of the Center
21 of Excellence shall be to—

22 (i) advance measurement science, data
23 analytics, and modeling at a range of
24 scales that covers direct measurement at
25 the component or process level through at-

1 atmospheric observations to improve the ac-
2 curacy of greenhouse gas emissions meas-
3 urement, validation, and attribution to spe-
4 cific underlying activities and processes;

5 (ii) test and evaluate the performance
6 of existing capabilities, and inform and im-
7 prove best practices, benchmarks, meth-
8 odologies, procedures, and technical stand-
9 ards, for the measurement and validation
10 of greenhouse gas emissions at scales
11 noted in clause (i);

12 (iii) educate and train students in
13 measurement science, computational
14 science, and systems engineering research
15 relevant to greenhouse gas emissions meas-
16 urements;

17 (iv) foster collaboration among aca-
18 demic researchers, private sector stake-
19 holders, and State, Tribal, territorial, and
20 local officials;

21 (v) support Institute test beds as de-
22 scribed in subsection (a)(3); and

23 (vi) collaborate with other Federal
24 agencies to conduct outreach and coordina-
25 tion to share technical expertise with rel-

1 evant public and private sector stake-
2 holders, including State, Tribal, territorial,
3 and local officials, to assist such entities in
4 measuring greenhouse gas emissions.

5 (D) REQUIREMENTS.—

6 (i) IN GENERAL.—An institution of
7 higher education or an eligible nonprofit
8 organization (or a consortium thereof)
9 seeking funding under this subsection shall
10 submit an application to the Director at
11 such time, in such manner, and containing
12 such information as the Director may re-
13 quire.

14 (ii) APPLICATIONS.—Each application
15 made under clause (i) shall include a de-
16 scription of—

17 (I) how the Center will work with
18 other research institutions, industry
19 partners, and State and local officials
20 to identify research, testing, and tech-
21 nical standards needs relevant to
22 greenhouse gas emissions;

23 (II) how the Center will promote
24 active collaboration among researchers
25 in multiple disciplines involved in the

1 measurement of greenhouse gas emis-
2 sions; and

3 (III) how the Center will share
4 technical expertise with relevant pub-
5 lic and private sector stakeholders, in-
6 cluding state and local officials, to as-
7 sist such entities in measuring green-
8 house gas emissions.

9 (iii) SELECTION AND DURATION.—

10 Each Center established under this section
11 is authorized to carry out activities for a
12 period of 5 years, renewable for an addi-
13 tional 5 years at the discretion of the Di-
14 rector, in consultation with other Federal
15 agencies as appropriate.

16 **SEC. 10223. NIST AUTHORITY FOR CYBERSECURITY AND**
17 **PRIVACY ACTIVITIES.**

18 Section 2 of the National Institute of Standards and
19 Technology Act (15 U.S.C. 272 et seq.) is amended—

20 (1) in subsection (c)—

21 (A) in paragraph (16), by striking the pe-
22 riod at the end and inserting a semicolon;

23 (B) by redesignating paragraphs (16)
24 through (27) as paragraphs (21) through (32),
25 respectively; and

1 (C) by inserting after paragraph (15) the
2 following:

3 “(16) support information security measures
4 for the development and lifecycle of software and the
5 software supply chain, including development of vol-
6 untary, consensus-based technical standards, best
7 practices, frameworks, methodologies, procedures,
8 processes, and software engineering toolkits and con-
9 figurations;

10 “(17) support information security measures,
11 including voluntary, consensus-based technical
12 standards, best practices, and guidelines, for the de-
13 sign, adoption and deployment of cloud computing
14 services;

15 “(18) support research, development, and prac-
16 tical application to improve the usability of cyberse-
17 curity processes and technologies;

18 “(19) facilitate and support the development of
19 a voluntary, consensus-based set of technical stand-
20 ards, guidelines, best practices, methodologies, pro-
21 cedures, and processes to cost-effectively ensure ap-
22 propriate privacy protections for personally identifi-
23 able information in systems, technologies, and pro-
24 cesses used by both the public and private sector;

1 “(20) support privacy measures, including vol-
2 untary, consensus-based technical standards, best
3 practices, guidelines, metrology, and testbeds for the
4 design, adoption and deployment of privacy enhanc-
5 ing technologies;” and

6 (2) in subsection (e)(1)(A)—

7 (A) in clause (viii), by striking “and” at
8 the end;

9 (B) by redesignating clause (ix) as clause
10 (xi); and

11 (C) by inserting after clause (viii) the fol-
12 lowing:

13 “(ix) conduct reviews of and create
14 impact metrics for cybersecurity solutions
15 and capabilities developed by the Institute
16 for purposes of improvement;”.

17 **SEC. 10224. SOFTWARE SECURITY AND AUTHENTICATION.**

18 (a) **VULNERABILITIES IN OPEN SOURCE SOFT-**
19 **WARE.**—The Director shall assess and assign severity
20 metrics to identified vulnerabilities with open source soft-
21 ware and produce voluntary guidance to assist the entities
22 that maintain open source software repositories to discover
23 and mitigate vulnerabilities.

24 (b) **ARTIFICIAL INTELLIGENCE-ENABLED DE-**
25 **FENSES.**—The Director shall carry out research and test-

1 ing to improve the effectiveness of artificial intelligence-
2 enabled cybersecurity, including by generating optimized
3 data sets to train artificial intelligence defense systems
4 and evaluating the performance of varying network archi-
5 tectures at strengthening network security.

6 (c) AUTHENTICATION OF INSTITUTE SOFTWARE.—

7 The Director shall ensure all software released by the In-
8 stitute is digitally signed and maintained to enable stake-
9 holders to verify its authenticity and integrity upon instal-
10 lation and execution.

11 (d) ASSISTANCE TO INSPECTORS GENERAL.—The

12 Director shall provide technical assistance to improve the
13 education and training of individual Federal agency In-
14 spectors General and staff who are responsible for the an-
15 nual independent evaluation they are required to perform
16 of the information security program and practices of Fed-
17 eral Agencies under section 3555 of title 44, United States
18 Code.

19 (e) SOFTWARE SUPPLY CHAIN SECURITY PRAC-
20 TICES.—

21 (1) IN GENERAL.—The Director shall, in co-
22 ordination with industry, academia, and other Fed-
23 eral agencies, as appropriate, develop a set of secu-
24 rity outcomes and practices, including security con-
25 trols, control enhancements, supplemental guidance,

1 or other supporting information to enable software
2 developers and operators to identify, assess, and
3 manage cyber risks over the full lifecycle of software
4 products.

5 (2) OUTREACH.—The Director shall conduct
6 outreach and coordination activities to share tech-
7 nical expertise with Federal agencies, relevant indus-
8 try stakeholders, and standards development organi-
9 zations, as appropriate, to encourage the voluntary
10 adoption of the software lifecycle security practices
11 by Federal agencies and industry stakeholders.

12 **SEC. 10225. DIGITAL IDENTITY MANAGEMENT RESEARCH.**

13 Section 504 of the Cybersecurity Enhancement Act
14 of 2014 (15 U.S.C. 7464) is amended to read as follows:

15 **“SEC. 504. IDENTITY MANAGEMENT RESEARCH AND DEVEL-**
16 **OPMENT.**

17 “(a) IN GENERAL.—The Director shall carry out a
18 program of research to support the development of vol-
19 untary, consensus-based technical standards, best prac-
20 tices, benchmarks, methodologies, metrology, testbeds,
21 and conformance criteria for identity management, taking
22 into account appropriate user concerns—

23 “(1) to improve interoperability and portability
24 among identity management technologies;

1 “(2) to strengthen identity proofing and
2 verification methods used in identity management
3 systems;

4 “(3) to improve privacy protection in identity
5 management systems through authentication and se-
6 curity protocols; and

7 “(4) to monitor and improve the accuracy,
8 usability, and inclusivity of identity management
9 systems.

10 “(b) DIGITAL IDENTITY TECHNICAL ROADMAP.—

11 The Director, in consultation with other relevant Federal
12 agencies and stakeholders from the private sector, shall
13 develop and maintain a technical roadmap for digital iden-
14 tity management research and development focused on en-
15 abling the voluntary use and adoption of modern digital
16 identity solutions that align with the four criteria in sub-
17 section (a).

18 “(c) DIGITAL IDENTITY MANAGEMENT GUIDANCE.—

19 “(1) IN GENERAL.—The Director shall develop,
20 and periodically update, in collaboration with other
21 public and private sector organizations, common
22 definitions and voluntary guidance for digital iden-
23 tity management systems.

24 “(2) GUIDANCE.—The Guidance shall—

1 “(A) align with the four criteria in sub-
2 section (a), as practicable;

3 “(B) provide case studies of implementa-
4 tion of guidance;

5 “(C) incorporate voluntary technical stand-
6 ards and industry best practices; and

7 “(D) not prescribe or otherwise require the
8 use of specific technology products or services.

9 “(3) CONSULTATION.—In carrying out this sub-
10 section, the Director shall consult with—

11 “(A) Federal and State agencies;

12 “(B) industry;

13 “(C) potential end-users and individuals
14 that will use services related to digital identity
15 verification; and

16 “(D) experts with relevant experience in
17 the systems that enable digital identity
18 verification, as determined by the Director.”.

19 **SEC. 10226. BIOMETRICS RESEARCH AND TESTING.**

20 (a) IN GENERAL.—The Secretary, acting through the
21 Director, shall establish a program to support measure-
22 ment research to inform the development of best practices,
23 benchmarks, methodologies, procedures, and voluntary,
24 consensus-based technical standards for biometric identi-
25 fication systems, including facial recognition systems, to

1 assess and improve the performance of such systems. In
2 carrying out such program, the Director may—

3 (1) conduct research to support efforts to im-
4 prove the performance of biometric identification
5 systems, including in areas related to conformity as-
6 sessment, image quality and interoperability,
7 contactless biometric capture technologies, and
8 human-in-the-loop biometric identification systems
9 and processes;

10 (2) convene and engage with relevant stake-
11 holders to establish common definitions and charac-
12 terizations for biometric identification systems, in-
13 cluding accuracy, fairness, bias, privacy, consent,
14 and other properties, taking into account definitions
15 in relevant international technical standards and
16 other publications;

17 (3) carry out research and testing on a range
18 of biometric modalities, such as fingerprints, voice,
19 iris, face, vein, behavioral biometrics, genetics,
20 multimodal biometrics, and emerging applications of
21 biometric identification technology;

22 (4) study the use of privacy-enhancing tech-
23 nologies and other technical protective controls to fa-
24 cilitate access to public data sets for biometric re-
25 search;

1 (5) conduct outreach and coordination to share
2 technical expertise with relevant industry and non-
3 industry stakeholders and standards development or-
4 ganizations to assist such entities in the development
5 of best practices and voluntary technical standards;
6 and

7 (6) develop such standard reference artifacts as
8 the Director determines is necessary to further the
9 development of such voluntary technical standards.

10 (b) BIOMETRICS VENDOR TEST PROGRAM.—

11 (1) IN GENERAL.—The Secretary, acting
12 through the Director, shall carry out a test program
13 to provide biometrics vendors the opportunity to test
14 biometric identification technologies across a range
15 of modalities.

16 (2) ACTIVITIES.—In carrying out the program
17 under this subsection, the Director shall—

18 (A) conduct research and regular testing to
19 improve and benchmark the accuracy, efficacy,
20 and bias of biometric identification systems, in-
21 cluding research and testing on demographic
22 variations, capture devices, presentation attack
23 detection, partially occluded or computer gen-
24 erated images, privacy and security designs and
25 controls, template protection, de-identification,

1 and comparison of algorithm, human, and com-
2 bined algorithm-human recognition capability;

3 (B) develop an approach for testing soft-
4 ware and cloud-based biometrics applications,
5 including remote systems, in Institute test fa-
6 cilities;

7 (C) establish reference use cases for bio-
8 metric applications and performance criteria for
9 assessing each use case, including accuracy and
10 bias metrics;

11 (D) produce public-facing reports of the
12 findings from such testing for a general audi-
13 ence; and

14 (E) conduct such other activities as
15 deemed necessary by the Director.

16 (3) PARTNERSHIPS WITH OTHER FEDERAL
17 AGENCIES.—In addition to such sums as may be au-
18 thorized to be appropriated or otherwise made avail-
19 able to carry out this section, the Director may ac-
20 cept funds from other Federal departments and
21 agencies and States and local governments to carry
22 out activities under this subsection.

1 **SEC. 10227. FEDERAL BIOMETRIC PERFORMANCE STAND-**
2 **ARDS.**

3 Section 20 of the National Institute of Standards and
4 Technology Act (15 U.S.C. 278g-3) is amended in sub-
5 section (b)—

6 (1) in paragraph (2), by striking “and” after
7 the semicolon;

8 (2) in paragraph (3), by striking the period and
9 inserting “; and”; and

10 (3) by adding at the end the following:

11 “(4) performance standards and guidelines for
12 high risk biometric identification systems, including
13 facial recognition systems, accounting for various
14 use cases, types of biometric identification systems,
15 and relevant operational conditions.”.

16 **SEC. 10228. PROTECTING RESEARCH FROM CYBER THEFT.**

17 Section 2(e)(1)(A) of the National Institute of Stand-
18 ards and Technology Act (15 U.S.C. 272(e)(1)(A)), as
19 amended by section 10223(2), is further amended by in-
20 serting after clause (ix), as added by section 10223(2)(C),
21 the following:

22 “(x) consider institutions of higher
23 education (as defined in section 101 of the
24 Higher Education Act of 1965 (20 U.S.C.
25 1001)); and”.

1 **SEC. 10229. DISSEMINATION OF RESOURCES FOR RE-**
2 **SEARCH INSTITUTIONS.**

3 (a) DISSEMINATION OF RESOURCES FOR RESEARCH
4 INSTITUTIONS.—

5 (1) IN GENERAL.—Not later than one year
6 after the date of the enactment of this Act, the Di-
7 rector shall, using the authorities of the Director
8 under subsections (c)(15) and (e)(1)(A)(ix) of sec-
9 tion 2 of the National Institute of Standards and
10 Technology Act (15 U.S.C. 272), as amended by sec-
11 tion 10228, disseminate and make publicly available
12 resources to help qualifying institutions identify, as-
13 sess, manage, and reduce their cybersecurity risk re-
14 lated to conducting research.

15 (2) REQUIREMENTS.—The Director shall en-
16 sure that the resources disseminated pursuant to
17 paragraph (1)—

18 (A) are generally applicable and usable by
19 a wide range of qualifying institutions;

20 (B) vary with the nature and size of the
21 qualifying institutions, and the nature and sen-
22 sitivity of the data collected or stored on the in-
23 formation systems or devices of the qualifying
24 institutions;

25 (C) include elements that promote aware-
26 ness of simple, basic controls, a workplace cy-

1 bersecurity culture, and third-party stakeholder
2 relationships, to assist qualifying institutions in
3 mitigating common cybersecurity risks;

4 (D) include case studies, examples, and
5 scenarios of practical application;

6 (E) are technology-neutral and can be im-
7 plemented using technologies that are commer-
8 cial and off-the-shelf; and

9 (F) to the extent practicable, are based on
10 international technical standards.

11 (3) NATIONAL CYBERSECURITY AWARENESS
12 AND EDUCATION PROGRAM.—The Director shall en-
13 sure that the resources disseminated under para-
14 graph (1) are consistent with the efforts of the Di-
15 rector under section 303 of the Cybersecurity En-
16 hancement Act of 2014 (15 U.S.C. 7451).

17 (4) UPDATES.—The Director shall review peri-
18 odically and update the resources under paragraph
19 (1) as the Director determines appropriate.

20 (5) VOLUNTARY RESOURCES.—The use of the
21 resources disseminated under paragraph (1) shall be
22 considered voluntary.

23 (b) OTHER FEDERAL CYBERSECURITY REQUIRE-
24 MENTS.—Nothing in this section may be construed to su-

1 persede, alter, or otherwise affect any cybersecurity re-
2 quirements applicable to Federal agencies.

3 (c) DEFINITIONS.—In this section:

4 (1) QUALIFYING INSTITUTIONS.—The term
5 “qualifying institutions” means institutions of high-
6 er education that are classified as either very-high
7 research intensive (R1) or high research intensive
8 (R2) status universities by the Carnegie Classifica-
9 tion of Academic Institutions.

10 (2) RESOURCES.—The term “resources” means
11 guidelines, tools, best practices, technical standards,
12 methodologies, and other ways of providing informa-
13 tion.

14 **SEC. 10230. ADVANCED COMMUNICATIONS RESEARCH.**

15 The National Institute of Standards and Technology
16 Act (15 U.S.C. 271 et seq.) is amended—

17 (1) by redesignating section 35 as section 36;
18 and

19 (2) by inserting after section 34 the following:

20 **“SEC. 35. ADVANCED COMMUNICATIONS RESEARCH ACTIVI-**
21 **TIES.**

22 **“(a) ADVANCED COMMUNICATIONS RESEARCH.—**

23 **“(1) IN GENERAL.—**The Director, in consulta-
24 tion with the Administrator of the National Tele-
25 communications and Information Administration,

1 the Director of the National Science Foundation,
2 and heads of other Federal agencies, as appropriate,
3 shall carry out a program of measurement research
4 to inform the development of common definitions,
5 benchmarks, best practices, methodologies, and vol-
6 untary, consensus-based technical standards for ad-
7 vanced communications technologies.

8 “(2) RESEARCH AREAS.—Research areas may
9 include—

10 “(A) radio frequency emissions and inter-
11 ference, including technologies and techniques
12 to mitigate such emissions;

13 “(B) advanced antenna arrays and artifi-
14 cial intelligence systems capable of operating
15 advanced antenna arrays;

16 “(C) artificial intelligence systems to en-
17 able internet of things networks, immersive
18 technology, and other advanced communications
19 technologies;

20 “(D) network sensing and monitoring tech-
21 nologies;

22 “(E) technologies to enable spectrum flexi-
23 bility and agility;

24 “(F) optical and quantum communications
25 technologies;

1 “(G) security of advanced communications
2 systems and their supply chains;

3 “(H) public safety communications;

4 “(I) resilient internet of things applications
5 for advanced manufacturing; and

6 “(J) other research areas deemed nec-
7 essary by the Director.

8 “(3) TEST BEDS.—In coordination with the pri-
9 vate sector and other Federal agencies as appro-
10 priate, the Director may develop and manage
11 testbeds for research and development of advanced
12 communications technologies, avoiding duplication of
13 existing testbeds run by other agencies or the pri-
14 vate sector.

15 “(4) OUTREACH.—In carrying out the activities
16 under this subsection, the Director shall seek input
17 from other Federal agencies and from private sector
18 stakeholders, on an ongoing basis, to help inform re-
19 search and development priorities, including through
20 workshops and other multi-stakeholder activities.

21 “(5) TECHNICAL ROADMAPS.—In carrying out
22 the activities under this subsection, the Director
23 shall convene industry, institutions of higher edu-
24 cation, nonprofit organizations, Federal laboratories,
25 and other Federal agencies engaged in advanced

1 communications research and development to de-
2 velop, and periodically update, coordinated technical
3 roadmaps for advanced communications research in
4 priority areas, such as those described in paragraph
5 (2).

6 “(b) NATIONAL ADVANCED SPECTRUM AND COMMU-
7 NICATIONS TEST NETWORK.—

8 “(1) IN GENERAL.—The Director, in coordina-
9 tion with the Administrator of the National Tele-
10 communications and Information Administration
11 and heads of other Federal agencies, as appropriate,
12 shall operate a national network of government, aca-
13 demic, and commercial test capabilities and facilities
14 to be known as the National Advanced Spectrum
15 and Communications Test Network (referred to in this
16 section as ‘NASCTN’).

17 “(2) PURPOSES.—NASCTN shall be for the
18 purposes of facilitating and coordinating the use of
19 intellectual capacity, modeling and simulation, lab-
20 oratory facilities, and test facilities to meet national
21 spectrum interests and challenges, including—

22 “(A) measurements and analyses of elec-
23 tromagnetic propagation, radio systems charac-
24 teristics, and operating techniques affecting the
25 utilization of the electromagnetic spectrum in

1 coordination with specialized, related research
2 and analysis performed by other Federal agen-
3 cies in their areas of responsibility;

4 “(B) conducting research and analysis in
5 the general field of telecommunications sciences
6 in support of the Institute’s mission and in sup-
7 port of other Government agencies;

8 “(C) developing methodologies for testing,
9 measuring, and setting guidelines for inter-
10 ference;

11 “(D) conducting interference tests to bet-
12 ter understand the impact of Federal and com-
13 mercial spectrum activities;

14 “(E) conducting research and testing to
15 improve spectrum interference tolerance, flexi-
16 bility, and agility; and

17 “(F) other activities as deemed necessary
18 by the Director.

19 “(3) PARTNERSHIPS WITH OTHER FEDERAL
20 AGENCIES.—In addition to such sums as may be au-
21 thorized to be appropriated or otherwise made avail-
22 able to carry out this section, the Director may ac-
23 cept funds from other departments and agencies of
24 the Federal Government, and from the State and

1 local governments, to operate NASCTN under this
2 section.”.

3 **SEC. 10231. NEUTRON SCATTERING.**

4 (a) STRATEGIC PLAN FOR THE INSTITUTE NEUTRON
5 REACTOR.—The Director shall develop a strategic plan for
6 the future of the NIST Center for Neutron Research after
7 the current neutron reactor is decommissioned, includ-
8 ing—

9 (1) a succession plan for the reactor, including
10 a roadmap with timeline and milestones;

11 (2) conceptual design of a new reactor and ac-
12 companying facilities, as appropriate; and

13 (3) a plan to minimize disruptions to the user
14 community during the transition.

15 (b) COORDINATION WITH THE DEPARTMENT OF EN-
16 ERGY.—The Secretary, acting through the Director, shall
17 coordinate with the Secretary of Energy on issues related
18 to Federal support for neutron science, including esti-
19 mation of long-term needs for research using neutron
20 sources, and planning efforts for future facilities to meet
21 such needs.

22 (c) REPORT TO CONGRESS.—Not later than 18
23 months after the enactment of this Act, the Director shall
24 submit to Congress the plan required under subsection

1 (a), and shall notify Congress of any substantial updates
2 to such plan in subsequent years.

3 **SEC. 10232. QUANTUM INFORMATION SCIENCE.**

4 (a) IN GENERAL.—The Director shall continue to
5 prioritize and carry out activities authorized in the Na-
6 tional Quantum Initiative Act (15 U.S.C. 8801).

7 (b) QUANTUM RESEARCH.—Section 201(a) of the
8 National Quantum Initiative Act (15 U.S.C. 8831) is
9 amended—

10 (1) by redesignating paragraphs (3) through
11 (4) as paragraphs (6) through (7); and

12 (2) by inserting after paragraph (2) the fol-
13 lowing:

14 “(3) shall carry out research to facilitate the
15 development and standardization of quantum cryp-
16 tography and post-quantum classical cryptography;

17 “(4) shall carry out research to facilitate the
18 development and standardization of quantum net-
19 working and communications technologies and appli-
20 cations, including—

21 “(A) quantum repeater technology;

22 “(B) quantum network traffic manage-
23 ment;

24 “(C) quantum transduction;

1 “(D) long baseline entanglement and
2 teleportation; and

3 “(E) such other technologies, processes, or
4 applications as the Director considers appro-
5 priate;

6 “(5) for quantum technologies deemed by the
7 Director to be at a readiness level sufficient for
8 standardization, shall provide technical review and
9 assistance to such other Federal agencies as the Di-
10 rector considers appropriate for the development of
11 quantum network infrastructure standards;”.

12 **SEC. 10233. ARTIFICIAL INTELLIGENCE.**

13 (a) IN GENERAL.—The Director shall continue to
14 support the development of artificial intelligence and data
15 science, and carry out the activities of the National Artifi-
16 cial Intelligence Initiative Act of 2020 authorized in divi-
17 sion E of the National Defense Authorization Act for Fis-
18 cal Year 2021 (Public Law 116–283), including
19 through—

20 (1) expanding the Institute’s capabilities, in-
21 cluding scientific staff and research infrastructure;

22 (2) supporting measurement research and de-
23 velopment for advanced computer chips and hard-
24 ware designed for artificial intelligence systems;

1 (3) supporting the development of technical
2 standards and guidelines that promote safe and
3 trustworthy artificial intelligence systems;

4 (4) creating a framework for managing risks
5 associated with artificial intelligence systems; and

6 (5) developing and publishing cybersecurity
7 tools, encryption methods, and best practices for ar-
8 tificial intelligence and data science.

9 (b) **TESTBEDS.**—In coordination with other Federal
10 agencies as appropriate, the private sector, and institu-
11 tions of higher education, the Director may establish
12 testbeds to examine artificial intelligence and machine
13 learning systems in virtual environments for
14 vulnerabilities that may lead to failure, malfunction, or at-
15 tacks under a wide range of conditions.

16 **SEC. 10234. SUSTAINABLE CHEMISTRY RESEARCH AND**
17 **EDUCATION.**

18 In accordance with section 263 of the National De-
19 fense Authorization Act for Fiscal Year 2021, the Director
20 shall carry out activities in support of sustainable chem-
21 istry, including coordinating and partnering with aca-
22 demia, industry, non-profits, and other entities in activi-
23 ties to support clean, safe, and economic alternatives,
24 technologies, and methodologies to traditional chemical
25 products and processes.

1 **SEC. 10235. PREMISE PLUMBING RESEARCH.**

2 (a) IN GENERAL.—The Secretary, acting through the
3 Director, shall create a program for premise plumbing re-
4 search, including to—

5 (1) conduct metrology research on premise
6 plumbing in relation to water safety, security, effi-
7 ciency, sustainability, and resilience; and

8 (2) coordinate research activities with aca-
9 demia, the private sector, nonprofits, and other Fed-
10 eral agencies.

11 (b) DEFINITIONS.—For purposes of this section, the
12 term “premise plumbing” means the water distribution
13 system located within the property lines of a property, in-
14 cluding all buildings and permanent structures on such
15 property. Such term includes building supply and distribu-
16 tion pipes, fixtures, fittings, water heaters, water-treating
17 and water-using equipment, and all respective joints, con-
18 nections, devices, and appurtenances.

19 **Subtitle C—General Activities**

20 **SEC. 10241. EDUCATIONAL OUTREACH AND SUPPORT FOR**
21 **UNDERREPRESENTED COMMUNITIES.**

22 Section 18 of the National Institute of Standards and
23 Technology Act (15 U.S.C. 278g–1) is amended—

24 (1) in subsection (a), in the second sentence—

25 (A) by striking “may” and inserting
26 “shall”; and

1 (B) by striking “academia” and inserting
2 “diverse types of institutions of higher edu-
3 cation, including minority-serving institutions
4 and community colleges”; and
5 (2) in subsection (e)—

6 (A) in paragraph (4), by striking “and” at
7 the end;

8 (B) in paragraph (5), by striking the pe-
9 riod at the end and inserting “; and”; and

10 (C) by inserting after paragraph (5) the
11 following:

12 “(6) conduct outreach to and develop research
13 collaborations with historically Black colleges and
14 universities and minority-serving institutions, includ-
15 ing through the recruitment of students and faculty
16 at such institutions to participate in programs devel-
17 oped under paragraph (3);

18 “(7) conduct outreach to and develop research
19 collaborations with community colleges, including
20 through the recruitment of students and faculty at
21 such institutions to participate in programs devel-
22 oped under paragraph (3);

23 “(8) carry out other activities to increase the
24 participation of persons historically underrep-
25 resented in STEM in the Institute’s programs; and

1 “(9) conduct outreach to and develop collabora-
2 tions with nontraditional educational organizations,
3 including those that offer training through non-prof-
4 it associations and professional associations or pro-
5 fessional societies, to engage persons historically
6 underrepresented in STEM through programs devel-
7 oped under this subsection.”.

8 **SEC. 10242. OTHER TRANSACTIONS AUTHORITY.**

9 Section 2(b)(4) of the National Institute of Stand-
10 ards and Technology Act (15 U.S.C. 272(b)(4)) is amend-
11 ed to read as follows:

12 “(4) to enter into and perform such contracts,
13 including cooperative research and development ar-
14 rangements and grants and cooperative agreements
15 or other transactions, as may be necessary in the
16 conduct of its work and on such terms as it may
17 deem appropriate, in furtherance of the purposes of
18 this Act;”.

19 **SEC. 10243. REPORT TO CONGRESS ON COLLABORATIONS**
20 **WITH GOVERNMENT AGENCIES.**

21 Not later than 6 months after the date of the enact-
22 ment of this Act, the Director shall submit a report to
23 the Committee on Science, Space, and Technology and the
24 Committee on Appropriations of the House of Representa-
25 tives and the Committee on Commerce, Science, and

1 Transportation and the Committee on Appropriations of
2 the Senate describing the Institute’s challenges with re-
3 spect to collaboration between the Institute and other Fed-
4 eral agencies. The report shall include, at a minimum—

5 (1) an assessment of the challenges that arise
6 with interagency collaboration, including transfer of
7 funds with a limited period of availability to the In-
8 stitute and issues with sharing personnel, associates,
9 facilities, and property with collaborating agencies;
10 and

11 (2) descriptions of projects that were disrupted
12 due to the challenges outlined in paragraph (1).

13 **SEC. 10244. HIRING CRITICAL TECHNICAL EXPERTS.**

14 Section 6 of the National Institute of Standards and
15 Technology Act is amended to read as follows:

16 **“SEC. 6. HIRING CRITICAL TECHNICAL EXPERTS.**

17 “(a) IN GENERAL.—The officers and employees of
18 the Institute, except the director, shall be appointed by
19 the Secretary at such time as their respective services may
20 become necessary.

21 “(b) HIRING CRITICAL TECHNICAL EXPERTS.—Not-
22 withstanding section 3104 of title 5 or the provisions of
23 any other law relating to the appointment, number, classi-
24 fication, or compensation of employees, the Secretary shall
25 have the authority to make appointments of scientific, en-

1 gineering, and professional personnel, and to fix the basic
2 pay of such personnel at a rate to be determined by the
3 Secretary at rates not in excess of the highest total annual
4 compensation payable at the rate determined under sec-
5 tion 104 of title 3. The Director shall appoint not more
6 than 15 personnel under this section.

7 “(c) SUNSET.—The authority under section (b) shall
8 expire on the date that is 5 years after the date of enact-
9 ment of this section.”.

10 **SEC. 10245. INTERNATIONAL STANDARDS DEVELOPMENT.**

11 (a) INTERNATIONAL STANDARDS ENGAGEMENT.—

12 (1) IN GENERAL.—The Director shall lead in-
13 formation exchange and coordination among Federal
14 agencies and communication from Federal agencies
15 to the private sector of the United States to ensure
16 effective Federal engagement in the development
17 and use of international technical standards.

18 (2) REQUIREMENTS.—To support private sec-
19 tor-led engagement and ensure effective Federal en-
20 gagement in the development and use of inter-
21 national technical standards, the Director shall con-
22 sider—

23 (A) the role and needs of the Federal Gov-
24 ernment with respect to international technical
25 standards;

1 (B) organizations developing international
2 technical standards of interest to the United
3 States, United States representation and influ-
4 ence in these organizations, and key contribu-
5 tors for technical and leadership expertise in
6 these organizations;

7 (C) support for persons with domain sub-
8 ject matter expertise, especially from small
9 businesses located in the United States, to in-
10 fluence and engage in technical standards lead-
11 ership positions, working groups and meetings;

12 (D) opportunities for partnerships for sup-
13 porting international technical standards from
14 across the Federal Government, Federally fund-
15 ed research and development centers, univer-
16 sity-affiliated research centers, institutions of
17 higher education, industry, industry associa-
18 tions, nonprofit organizations, and other key
19 contributors;

20 (E) support for activities to encourage the
21 adoption of technical standards developed in the
22 United States to be adopted by international
23 standards organizations; and

24 (F) other activities determined by the Di-
25 rector to be necessary to support United States

1 participation in international standards develop-
2 ment, economic competitiveness, and national
3 security in the development and use of inter-
4 national technical standards.

5 (b) CAPACITY BUILDING GUIDANCE.—The Director
6 shall support education and workforce development efforts
7 to promote United States participation in international
8 standards organizations. The Director shall—

9 (1) identify and create, as appropriate, tech-
10 nical standards education and training resources for
11 interested businesses, industry associations, aca-
12 demia, nonprofits, Federal agencies, and other rel-
13 evant standards contributors, including activities
14 targeted at integrating standards content into un-
15 dergraduate and graduate curricula in science, engi-
16 neering, business, public policy, and law;

17 (2) conduct outreach, including to private sec-
18 tor leaders, to support engagement by more United
19 States stakeholders in international technical stand-
20 ards development; and

21 (3) other activities deemed necessary by the Di-
22 rector to support increased engagement, influence,
23 and leadership of United States organizations in the
24 development of international technical standards.

25 (c) CAPACITY BUILDING PILOT PROGRAM.—

1 (1) IN GENERAL.—The Director, in coordina-
2 tion with the Director of the National Science Foun-
3 dation, the Administrator of the Small Business Ad-
4 ministration and the heads of other relevant Federal
5 agencies, as appropriate, shall establish a 5-year
6 pilot program to award grants, on a merit-reviewed,
7 competitive basis, to private sector entities, institu-
8 tions of higher education, or nonprofit institutions
9 based in the United States to support increased par-
10 ticipation by small business and academic interests
11 in international standards organizations.

12 (2) ACTIVITIES.—In carrying out the pilot pro-
13 grams established in subsection (c), the Director
14 shall award competitive, merit-reviewed grants to
15 covered entities to cover the reasonable costs, up to
16 a specified ceiling set by the Director, of activities
17 supporting increased engagement and leadership of
18 employees of small businesses and faculty of institu-
19 tions of higher education or other nonprofit research
20 institutions with subject matter and technical exper-
21 tise necessary to be contributors in international
22 standards organizations.

23 (3) AWARD CRITERIA.—The Director may only
24 provide a grant under this section to an eligible re-
25 cipient that—

1 (A) demonstrates deep technical standards
2 expertise;

3 (B) demonstrates knowledge with the proc-
4 esses of the standards development organization
5 in which the recipient intends to engage using
6 grant funds;

7 (C) proposes a feasible set of standard
8 deliverables to be completed over the period of
9 the grant;

10 (D) explains how the recipient will fund
11 the standards work supported by the grant if
12 the grant funds are insufficient to cover all
13 costs of the work; and

14 (E) commits personnel with appropriate
15 expertise to engage in relevant international or-
16 ganizations responsible for developing technical
17 standards over the period of the grant.

18 (4) ELIGIBILITY.—A small business concern (as
19 defined in section 3 of the Small Business Act (15
20 U.S.C. 632) based in the United States, an institu-
21 tion of higher education (as defined by section 102
22 of the Higher Education Act of 1965 (20 U.S. C.
23 1002)), or a nonprofit institution as defined in sec-
24 tion 4(5) of the Stevenson-Wydler Act (15 U.S.C.

1 3703) shall be eligible to receive grants under this
2 program.

3 (5) PRIORITIZATION.—The Director may
4 prioritize grants awarded under this section to eligi-
5 ble recipients for standards development proposals
6 that address clearly defined current or anticipated
7 market needs or gaps that would not be met without
8 the grant.

9 (6) APPLICATION.—An eligible recipient seeking
10 funding under subsection (c) shall submit an appli-
11 cation to the Director at such time, in such manner,
12 and containing such information as the Director
13 may require.

14 (7) MERIT REVIEW PROCESS.—Not later than
15 90 days after the enactment of this Act, the Direc-
16 tor shall establish a merit review process, including
17 the creation of merit review panels made of experts
18 from government and the private sector, to evaluate
19 the application under paragraph (6) to ensure appli-
20 cations submitted are reviewed in a fair, competitive,
21 transparent, and in-depth manner.

22 (8) CONSULTATION.—In carrying out the pilot
23 program established under subsection (c), the Direc-
24 tor shall consult with other Federal agencies, private
25 sector organizations, institutions of higher edu-

1 cation, and nonprofit organizations to help inform
2 the pilot program, including selection criteria, appli-
3 cant disclosure requirements, grant amount and du-
4 ration, and the merit review process.

5 (9) REPORT TO CONGRESS.—The Director shall
6 brief Congress after the second year of the pilot pro-
7 gram and each year following that includes the fol-
8 lowing:

9 (A) An assessment of the effectiveness of
10 the pilot program for improving the participa-
11 tion of United States small businesses, United
12 States institutions of higher education, or other
13 nonprofit research institutions in international
14 standards organizations, including—

15 (i) the type of activities supported, in-
16 cluding leadership roles;

17 (ii) the international standards orga-
18 nizations participated in; and

19 (iii) the technical areas covered by the
20 activities.

21 (B) If deemed effective, a plan for perma-
22 nent implementation of the pilot program.

23 (d) REAFFIRMING THE IMPORTANCE OF VOLUNTARY
24 CONSENSUS-BASED INTERNATIONAL STANDARDS BOD-
25 IES.—To the extent applicable, the Institute, when pre-

1 paring standards, participating in voluntary consensus
2 standard bodies, and engaging in a standards development
3 process that is open to participation from Chinese firms
4 and state-owned enterprises of the People’s Republic of
5 China, the process should include the following attributes
6 that are easily accessible, clear, and unambiguous:

- 7 (1) Transparency.
- 8 (2) Openness.
- 9 (3) Impartiality and Consensus.
- 10 (4) Effectiveness and Relevance.
- 11 (5) Coherence.
- 12 (6) Development Dimension.

13 **SEC. 10246. STANDARD TECHNICAL UPDATE.**

14 (a) NATIONAL INSTITUTE OF STANDARDS AND
15 TECHNOLOGY ACT UPDATES.—The National Institute of
16 Standards and Technology Act (15 U.S.C. 271) is amend-
17 ed—

- 18 (1) in section 15—
 - 19 (A) in subsection (b), by striking the pe-
20 riod at the end and inserting a semicolon;
 - 21 (B) in subsection (g), by striking “and”
22 after the semicolon; and
 - 23 (C) by striking the period at the end and
24 inserting “; and (i) the protection of Institute
25 buildings and other plant facilities, equipment,

1 and property, and of employees, associates, or
2 visitors, located therein or associated therewith,
3 notwithstanding any other provision of law, the
4 direction of such of the officers and employees
5 of the Institute as the Secretary deems nec-
6 essary in the public interest hereafter to carry
7 firearms while in the conduct of their official
8 duties, and the authorization of employees of
9 contractors and subcontractors of the Institute
10 who are engaged in the protection of property
11 owned by the United States, and located at fa-
12 cilities owned by, leased, used or under the con-
13 trol of the United States, to carry firearms
14 while in the conduct of their official duties, and,
15 under regulations prescribed by the Secretary
16 and approved by the Attorney General, the au-
17 thorization of officers and employees of the In-
18 stitute and of its contractors and subcontrac-
19 tors authorized to carry firearms hereafter to
20 arrest without warrant for any offense against
21 the United States committed in their presence,
22 or for any felony cognizable under the laws of
23 the United States if they have reasonable
24 grounds to believe that the person to be ar-
25 rested has committed or is committing such fel-

1 ony, provided that such authority to make ar-
2 rests may be exercised only while guarding and
3 protecting buildings and other plant facilities,
4 equipment, and property owned or leased by,
5 used or under the control of, the United States
6 under the administration and control of the
7 Secretary.”; and

8 (2) by amending section 17(a) to read as fol-
9 lows:

10 “(a) The Secretary is authorized, notwithstanding
11 any other provision of law, to expend such sums, within
12 the limit of appropriated funds, as the Secretary may
13 deem desirable through direct support for activities of
14 international organizations and foreign national metrology
15 institutes with which the Institute cooperates to advance
16 measurement methods, technical standards, and related
17 basic technologies, for official representation, to host offi-
18 cial receptions, dinners, and similar events, and to other-
19 wise extend official courtesies, including transportation of
20 foreign dignitaries and representatives of foreign national
21 metrology institutes to and from the Institute, for the pur-
22 pose of maintaining the standing and prestige of the De-
23 partment of Commerce and the Institute, through the
24 grant of fellowships or other appropriate form of financial
25 or logistical assistance or support to foreign nationals not

1 in service to the Government of the United States while
2 they are performing scientific or engineering work at the
3 Institute or participating in the exchange of scientific or
4 technical information at the Institute.”.

5 (b) STEVENSON-WYDLER UPDATES.—The Steven-
6 son-Wydler Technology Innovation Act of 1980 (15 U.S.C.
7 3701) is amended—

8 (1) in section 17(c)(1)—

9 (A) by moving each of subparagraphs (D)
10 and (E) two ems to the left; and

11 (B) by adding at the end the following:

12 “(G) Community.”; and

13 (2) in section 23(a)—

14 (A) by redesignating paragraphs (1) and
15 (2) as paragraphs (2) and (3), respectively; and

16 (B) by inserting before paragraph (2), as
17 so redesignated, the following:

18 “(1) accept, apply for, use, and spend Federal,
19 State, and nongovernmental acquisition and assist-
20 ance funds to further the purposes of this Act as
21 well as share personnel, associates, facilities, and
22 property with these partner organizations, with or
23 without reimbursement, upon mutual agreement:
24 *Provided*, That the approving official may waive
25 statutory and regulatory administrative provisions so

1 that a single agency may administer a joint pro-
2 gram, upon mutual agreement;”.

3 (c) AMERICAN INNOVATION AND COMPETITIVENESS
4 ACT UPDATE.—Section 113 of the American Innovation
5 and Competitiveness Act (15 U.S.C. 278e note) is re-
6 pealed.

7 (d) CLERICAL AMENDMENT.—The item relating to
8 section 113 in the table of contents in section 1(b) of the
9 American Innovation and Competitiveness Act is repealed.

10 (e) FEDERAL ENERGY MANAGEMENT IMPROVEMENT
11 ACT UPDATE.—Section 4 of the Federal Energy Manage-
12 ment Improvement Act of 1988 (15 U.S.C. 5001) is
13 amended—

14 (1) by striking “Secretary of Commerce” and
15 “Secretary” each place either such term appears and
16 inserting “Consumer Product Safety Commission”;

17 (2) by redesignating the second subsection (c)
18 as subsection (e); and

19 (3) in subsection (g), by redesignating clauses
20 (i) and (ii) as paragraphs (1) and (2), respectively.

21 **SEC. 10247. GAO STUDY OF NIST RESEARCH SECURITY**
22 **POLICIES AND PROTOCOLS.**

23 (a) EVALUATION.—Not later than 1 year after the
24 date of enactment of this Act, the Comptroller General
25 of the United States shall conduct a study of the Insti-

1 tute's policies and protocols to protect its research and
2 combat undue foreign influence,

3 (b) MATTERS TO BE INCLUDED.—The study con-
4 ducted under subsection (a) shall include, to the extent
5 practicable, the following:

6 (1) An analysis of steps taken by the Institute
7 to address foreign threats to Institute-funded re-
8 search over the previous 5 years.

9 (2) An analysis of the coordination and engage-
10 ment between the Department of Commerce's Office
11 of Inspector General, the Department of Commerce's
12 Office of Intelligence and the Institute in identifying
13 and addressing concerning findings.

14 (3) An assessment of the Institute's review
15 process for Foreign National associates.

16 (4) An assessment of the Institute's policies as
17 it relates to employees and associates participating
18 in foreign talent recruitment programs.

19 (5) An assessment of the Institute's implemen-
20 tation of conflict-of-interest and disclosure policies
21 and requirements, including the disclosure require-
22 ments authorized in section 223 of the National De-
23 fense Authorization Act for Fiscal Year 2021 (Pub-
24 lic Law 116–283).

1 (6) An assessment of the Institute’s, the De-
2 partment of Commerce’s Office of Security, the De-
3 partment of Commerce’s Office of Intelligence, and
4 the Department of Commerce’s Office of Inspector
5 General’s ability to monitor and enforce conflict-of-
6 interest and disclosure policies and requirements, in-
7 cluding the disclosure requirements authorized in
8 section 223 of the National Defense Authorization
9 Act for Fiscal Year 2021 (Public Law 116–283).

10 (7) An assessment of the Institute’s, the De-
11 partment of Commerce’s, and the Department of
12 Commerce’s Office of Inspector General’s ability to
13 conduct risk assessments of research and develop-
14 ment award applications and disclosures to the Insti-
15 tute.

16 (8) An assessment of the Institute’s research
17 security training programs for both internal and ex-
18 ternally-supported researchers and associates, in-
19 cluding training focused on international collabora-
20 tion, and international travel, foreign interference,
21 and rules for proper use of funds, disclosure, conflict
22 of commitment, and conflict of interest.

23 (9) An analysis and summary of incidents of
24 undue foreign influence at Institute-supported re-

1 search facilities and programs over the past 10
2 years.

3 (10) Recommendations for the Institute to bol-
4 ster its research security policies and protocols.

5 (11) Other matters the Comptroller General de-
6 termines appropriate.

7 (c) CONGRESSIONAL BRIEFING.—Not later than 180
8 days after the date of enactment of this Act, the Comp-
9 troller General shall brief the Committee on Science,
10 Space, and Technology of the House of Representatives
11 and the Committee of Commerce, Science, and Transpor-
12 tation of the Senate on the findings available from the
13 evaluation conducted under subsection (a).

14 (d) REPORT.—Not later than 18 months after the
15 date of enactment of this Act, the Comptroller General
16 shall submit to the congressional committees specified in
17 subsection (c) a report on the findings and recommenda-
18 tions of the evaluation conducted under subsection (a).

19 **SEC. 10248. STANDARDS DEVELOPMENT ORGANIZATION**
20 **GRANTS.**

21 (a) NONGOVERNMENTAL STANDARDS DEVELOPMENT
22 ORGANIZATION DEFINED.—In this section, the term
23 “nongovernmental standards development organization”
24 means a nongovernmental standards development organi-
25 zation (as defined in section 2(e) of the Office of Manage-

1 ment and Budget Circular A–119 (relating to Federal par-
2 ticipation in the development and use of voluntary con-
3 sensus standards in conformity assessment activities), or
4 any successor document) that adheres to the American
5 National Standards Institute (ANSI) Essential Require-
6 ments for Due Process for American National Standards.

7 (b) GRANT AUTHORITY.—The Secretary of Com-
8 merce, acting through the Director, shall establish a com-
9 petitive program of grants for nongovernmental standards
10 development organizations for the purposes described in
11 subsection (c).

12 (c) PURPOSES.—A grant awarded under subsection
13 (b) shall be used to develop, approve, disseminate, main-
14 tain, and review forensic science voluntary consensus
15 standards and best practices that shall be available to the
16 public free of charge.

17 (d) ADDITIONAL REQUIREMENTS.—The Director
18 may promulgate such requirements, guidelines, and proce-
19 dures as may be necessary to carry out this section.

20 (e) AUTHORIZATION OF APPROPRIATIONS.—There
21 are authorized to be appropriated to carry out this section
22 \$2,000,000 for each of fiscal years 2022 through 2026.

1 **Subtitle D—Hollings Manufacturing**
2 **Extension Partnership**

3 **SEC. 10251. ESTABLISHMENT OF EXPANSION AWARDS**
4 **PILOT PROGRAM AS A PART OF THE HOL-**
5 **LINGS MANUFACTURING EXTENSION PART-**
6 **nership.**

7 The National Institute of Standards and Technology
8 Act (15 U.S.C. 271 et seq.) is amended by inserting after
9 section 25A (15 U.S.C. 278k–1) the following:

10 **“SEC. 25B. EXPANSION AWARDS PILOT PROGRAM.**

11 “(a) DEFINITIONS.—The terms used in this section
12 have the meanings given the terms in section 25.

13 “(b) ESTABLISHMENT.—The Director shall establish
14 as a part of the Hollings Manufacturing Extension Part-
15 nership a pilot program of expansion awards among par-
16 ticipants described in subsection (c) of this section for the
17 purposes described in subsection (e) of this section.

18 “(c) PARTICIPANTS.—Participants receiving awards
19 under this section shall be Centers, or a consortium of
20 Centers.

21 “(d) AWARD AMOUNTS.—Subject to the availability
22 of appropriations, an award for a recipient under this sec-
23 tion shall be in an amount equal to the sum of the fol-
24 lowing:

1 “(1) Such amount as the Director considers ap-
2 propriate as a minimum base funding level for each
3 award under this section.

4 “(2) Such additional amount as the Director
5 considers in proportion to the manufacturing density
6 of the region of the recipient.

7 “(3) Such supplemental amounts as the Direc-
8 tor considers appropriate.

9 “(e) PURPOSE OF AWARDS.—An award under this
10 section shall be made for one or more of the following pur-
11 poses:

12 “(1) To provide coordinating services on em-
13 ployee engagement, including employee ownership
14 and workforce training, including connecting manu-
15 facturers with career and technical education enti-
16 ties, institutions of higher education (including com-
17 munity colleges), workforce development boards,
18 labor organizations, and nonprofit job training pro-
19 viders to develop and support training and job place-
20 ment services, including apprenticeship and online
21 learning platforms, for new and incumbent workers,
22 programming to prevent job losses when adopting
23 new technologies and processes, and development of
24 employee ownership practices.

1 “(2) To provide services to improve the resil-
2 iency of domestic supply chains and to mitigate
3 vulnerabilities to cyberattacks, including helping to
4 offset the cost of cybersecurity projects for small
5 manufacturers.

6 “(3) To expand advanced technology services to
7 United States-based small- and medium-sized manu-
8 facturers, which may include—

9 “(A) developing advanced technology dem-
10 onstration laboratories for training and dem-
11 onstration in areas of supply chain and critical
12 technology needs, including a focus on the dem-
13 onstration of technologies developed by compa-
14 nies based in the United States;

15 “(B) services for the adoption of advanced
16 technologies, including smart manufacturing
17 technologies and practices; and

18 “(C) establishing partnerships, for the de-
19 velopment, demonstration, and deployment of
20 advanced technologies, between United States-
21 based small- and medium-sized manufacturers
22 and—

23 “(i) national laboratories (as defined
24 in section 2 of the Energy Policy Act of
25 2005 (42 U.S.C. 15801));

1 “(ii) Federal laboratories;

2 “(iii) Manufacturing USA institutes

3 (as described in section 34(d)); and

4 “(iv) institutions of higher education.

5 “(4) To build capabilities across the Hollings

6 Manufacturing Extension Partnership for domestic

7 supply chain resiliency and optimization, including—

8 “(A) assessment of domestic manufac-

9 turing capabilities, expanded capacity for re-

10 searching and deploying information on supply

11 chain risk, hidden costs of reliance on offshore

12 suppliers, redesigning products and processes to

13 encourage reshoring, and other relevant topics;

14 and

15 “(B) expanded services to provide indus-

16 try-wide support that assists United States

17 manufacturers with reshoring manufacturing to

18 strengthen the resiliency of domestic supply

19 chains, including in critical technology areas

20 and foundational manufacturing capabilities

21 that are key to domestic manufacturing com-

22 petitiveness and resiliency, including forming,

23 casting, machining, joining, surface treatment,

24 and tooling.

1 “(f) REIMBURSEMENT.—The Director may reim-
2 burse Centers for costs incurred by the Centers under this
3 section.

4 “(g) APPLICATIONS.—Applications for awards under
5 this section shall be submitted in such manner, at such
6 time, and containing such information as the Director
7 shall require in consultation with the Manufacturing Ex-
8 tension Partnership Advisory Board.

9 “(h) SELECTION.—

10 “(1) REVIEWED AND MERIT-BASED.—The Di-
11 rector shall ensure that awards under this section
12 are reviewed and merit-based.

13 “(2) GEOGRAPHIC DIVERSITY.—The Director
14 shall endeavor to have broad geographic diversity
15 among selected proposals.

16 “(3) CRITERIA.—The Director shall select ap-
17 plications consistent with the purposes identified
18 pursuant to subsection (e) to receive awards that the
19 Director determines will achieve one or more of the
20 following:

21 “(A) Improvement of the competitiveness
22 of industries in the region in which the Center
23 or Centers are located.

24 “(B) Creation of jobs or training of newly
25 hired employees.

1 “(C) Promotion of the transfer and com-
2 mercialization of research and technology from
3 institutions of higher education, national lab-
4 oratories, or other Federally funded research
5 programs, and nonprofit research institutes.

6 “(D) Recruitment of a diverse manufac-
7 turing workforce, including through outreach to
8 underrepresented populations, including individ-
9 uals identified in section 33 or section 34 of the
10 Science and Engineering Equal Opportunities
11 Act (42 U.S.C. 1885a, 1885b).

12 “(E) Any other result the Director deter-
13 mines will advance the objective set forth in
14 sections 25(c) or 26.

15 “(i) PROGRAM CONTRIBUTION.—Recipients of
16 awards under this section shall not be required to provide
17 a matching contribution.

18 “(j) GLOBAL MARKETPLACE PROJECTS.—In making
19 an award under this section, the Director, in consultation
20 with the Manufacturing Extension Partnership Advisory
21 Board and the Secretary, may take into consideration
22 whether an application has significant potential for en-
23 hancing the competitiveness of small and medium-sized
24 United States manufacturers in the global marketplace.

1 “(k) DURATION.—The Director shall ensure that the
2 duration of an award under this section is aligned and
3 consistent with a Center’s cooperative agreement estab-
4 lished in section 25(e).

5 “(l) REPORT.—After the completion of the pilot pro-
6 gram under subsection (b) and not later than October 1,
7 2024, the Director shall submit to Congress a report that
8 includes—

9 “(1) a summary description of what activities
10 were funded and the measurable outcomes of such
11 activities;

12 “(2) a description of which types of activities
13 under paragraph (1) could be integrated into, and
14 supported under, the program under section 25;

15 “(3) a description of which types of activities
16 under paragraph (1) could be integrated into, and
17 supported under, the competitive awards program
18 under section 25A; and

19 “(4) a recommendation, supported by a clear
20 explanation, as to whether the pilot program should
21 be continued.”.

1 **SEC. 10252. UPDATE TO MANUFACTURING EXTENSION**
2 **PARTNERSHIP.**

3 (a) ACCEPTANCE OF FUNDS.—Section 25(l) of the
4 National Institute of Standards and Technology Act (15
5 U.S.C. 278k(l)) is amended to read as follows:

6 “(l) ACCEPTANCE OF FUNDS.—

7 “(1) IN GENERAL.—In addition to such sums
8 as may be appropriated to the Secretary and Direc-
9 tor to operate the Program, the Secretary and Di-
10 rector may also accept funds from other Federal de-
11 partments and agencies, as well as funds provided
12 by the private sector pursuant to section 2(c)(7) of
13 this Act (15 U.S.C. 272(c)(7)), to be available to the
14 extent provided by appropriations Acts, for the pur-
15 pose of strengthening United States manufacturing.

16 “(2) COMPETITIVE AWARDS.—Funds accepted
17 from other Federal departments and agencies and
18 from the private sector under paragraph (1) shall be
19 awarded competitively by the Secretary and by the
20 Director to Manufacturing Extension Partnership
21 Centers, provided that the Secretary and Director
22 may make non-competitive awards, pursuant to this
23 section or section 25A, or as a non-competitive con-
24 tract, as appropriate, if the Secretary and the Direc-
25 tor determine that—

1 “(A) the manufacturing market or sector
2 targeted is limited geographically or in scope;

3 “(B) the number of States (or territory, in
4 the case of Puerto Rico) with Manufacturing
5 Extension Partnership Centers serving manu-
6 facturers of such market or sector is five or
7 fewer; and

8 “(C) such Manufacturing Extension Part-
9 nership Center or Centers has received a posi-
10 tive evaluation in the most recent evaluation
11 conducted pursuant to subsection (g).”.

12 (b) SUPPORTING AMERICAN MANUFACTURING.—Sec-
13 tion 25 of the National Institute of Standards and Tech-
14 nology Act (15 U.S.C. 278k) is amended—

15 (1) in subsection (a)(5)—

16 (A) by striking “or consortium thereof,”;
17 and

18 (B) by inserting “or a consortium thereof”
19 before the period at the end of the sentence;

20 (2) in subsection (c)(4), by inserting “United
21 States-based” before “industrial”;

22 (3) in subsection (d)—

23 (A) in paragraph (1), by inserting “at
24 United States-based industrial facilities, includ-

1 ing small and medium manufacturing compa-
2 nies” before “based”;

3 (B) in paragraph (2), by inserting “United
4 States-based” before “companies”; and

5 (C) in paragraph (3), by inserting “United
6 States-based” before “small”;

7 (4) in subsection (f)(5)(B)(i), by inserting “in
8 the United States” before the semicolon at the end
9 of the clause; and

10 (5) in subsection (n)(1)(A), by inserting
11 “United States-based” before “small”.

12 (c) AMENDING THE MEP COMPETITIVE AWARDS
13 PROGRAM.—Section 25A(c)(2) of the National Institute of
14 Standards and Technology Act (15 U.S.C. 278k-1(c)(2))
15 is amended by inserting “United States” before “manu-
16 facturers”.

17 **SEC. 10253. NATIONAL SUPPLY CHAIN DATABASE.**

18 (a) ESTABLISHMENT OF NATIONAL SUPPLY CHAIN
19 DATABASE.—The Director shall establish and maintain a
20 National Supply Chain Database.

21 (b) PURPOSE.—The purpose of the National Supply
22 Chain Database shall be to assist the Federal government
23 and industry sectors in minimizing disruptions to the
24 United States supply chain by having an assessment of
25 United States manufacturers’ capabilities.

1 (c) STUDY ON NATIONAL SUPPLY CHAIN DATA-
2 BASE.—In establishing the National Supply Chain Data-
3 base, the Director shall consider the findings and rec-
4 ommendations from the study authorized in section 9413
5 of the National Defense Authorization Act for Fiscal Year
6 2021 (Public Law 116–283), including measures to secure
7 and protect the National Supply Chain Database from ad-
8 versarial attacks and vulnerabilities.

9 (d) DATABASE AND MANUFACTURING EXTENSION
10 PARTNERSHIP.—

11 (1) IN GENERAL.—The National Supply Chain
12 Database shall be carried out and managed through
13 the Hollings Manufacturing Extension Partnership
14 program and the Director shall ensure that the Hol-
15 lings Manufacturing Extension Partnership Centers
16 are connected to the National Supply Chain Data-
17 base.

18 (2) CAPABILITIES.—The National Supply Chain
19 Database shall be capable of providing a national
20 view of the supply chain and enable authorized data-
21 base users to determine in near real-time the United
22 States manufacturing capabilities for critical prod-
23 ucts, including defense supplies, food, and medical
24 devices, including personal protective equipment.

1 (3) INDIVIDUAL STATE DATABASES.—Each
2 State’s supply chain database maintained by the In-
3 stitute-recognized Manufacturing Extension Partner-
4 ship Center within the State shall be complementary
5 in design to the National Supply Chain Database.

6 (e) MAINTENANCE OF NATIONAL SUPPLY CHAIN
7 DATABASE.—The Director, acting through the Hollings
8 Manufacturing Extension Partnership program, shall
9 maintain the National Supply Chain Database as an inte-
10 gration of the State level databases from each State’s
11 Manufacturing Extension Partnership Center and may be
12 populated with information from past, current, or poten-
13 tial Center clients.

14 (f) EXEMPT FROM PUBLIC DISCLOSURE.—The Na-
15 tional Supply Chain Database and any information related
16 to it not publicly released by the Institute shall be exempt
17 from public disclosure under section 552 of title 5, United
18 States Code, and access to non-public content shall be lim-
19 ited to the contributing company and Manufacturing Ex-
20 tension Partnership Center staff who sign an appropriate
21 non-disclosure agreement.

22 (g) AUTHORIZATION OF APPROPRIATIONS.—Of the
23 funds authorized to the Hollings Manufacturing Extension
24 Partnership Program, \$10,000,000 for each of the fiscal

1 years 2022 through 2026 are authorized to carry out this
2 title.

3 **SEC. 10254. HOLLINGS MANUFACTURING EXTENSION PART-**
4 **NERSHIP ACTIVITIES.**

5 Section 70924(b) of the Infrastructure Investment
6 and Jobs Act (Public Law 117-58) is amended to read
7 as follows:

8 “(b) AUTOMATIC ENROLLMENT IN GSA ADVAN-
9 TAGE!.—The Administrator of the General Services Ad-
10 ministration and the Secretary of Commerce, acting
11 through the Under Secretary of Commerce for Standards
12 and Technology, shall jointly ensure that businesses that
13 participate in the Hollings Manufacturing Extension Part-
14 nership may, as the business considers appropriate, enroll
15 in General Services Administration Advantage!.”

16 **TITLE III—NATIONAL SCIENCE**
17 **FOUNDATION FOR THE FUTURE**

18 **SEC. 10301. FINDINGS.**

19 Congress finds the following:

20 (1) Over the past seven decades, the National
21 Science Foundation has played a critical role in ad-
22 vancing the United States academic research enter-
23 prise by supporting fundamental research and edu-
24 cation across science and engineering disciplines.

1 (2) Discoveries enabled by sustained investment
2 in fundamental research and the education of the
3 United States science and engineering workforce
4 have led to transformational innovations and
5 spawned new industries.

6 (3) While the traditional approach to invest-
7 ment in research has delivered myriad benefits to so-
8 ciety, a concerted effort is needed to ensure the ben-
9 efits of federally funded science and engineering are
10 enjoyed by all Americans.

11 (4) As countries around the world increase in-
12 vestments in research and STEM education, United
13 States global leadership in science and engineering is
14 eroding, posing significant risks to economic com-
15 petitiveness, national security, and public well-being.

16 (5) To address major societal challenges and
17 sustain United States leadership in innovation, the
18 Federal Government must increase investments in
19 research, broaden participation in the STEM work-
20 force, and bolster collaborations among universities,
21 National Laboratories, field stations and marine lab-
22 oratories, companies, labor organizations, non-profit
23 funders of research, local policymakers, civil societies
24 and stakeholder communities, and international
25 partners.

1 **SEC. 10302. DEFINITIONS.**

2 In this title:

3 (1) **ACADEMIES.**—The term “Academies”
4 means the National Academies of Sciences, Engi-
5 neering, and Medicine.

6 (2) **ARTIFICIAL INTELLIGENCE.**—The term “ar-
7 tificial intelligence” has the meaning given such
8 term in section 5002 of the William M. (MAC)
9 Thornberry National Defense Authorization Act for
10 Fiscal Year 2021.

11 (3) **AWARDEE.**—The term “awardee” means
12 the legal entity to which Federal assistance is
13 awarded and that is accountable to the Federal Gov-
14 ernment for the use of the funds provided.

15 (4) **BOARD.**—The term “Board” means the Na-
16 tional Science Board.

17 (5) **DIRECTOR.**—The term “Director” means
18 the Director of the National Science Foundation.

19 (6) **EMERGING RESEARCH INSTITUTION.**—The
20 term “emerging research institution” means an in-
21 stitution of higher education with an established un-
22 dergraduate student program that has, on average
23 for 3 years prior to the time of application for an
24 award, received less than \$35,000,000 in Federal re-
25 search funding.

1 (7) FEDERAL RESEARCH AGENCY.—The term
2 “Federal research agency” means any Federal agen-
3 cy with an annual extramural research expenditure
4 of over \$100,000,000.

5 (8) FOUNDATION.—The term “Foundation”
6 means the National Science Foundation.

7 (9) HISTORICALLY BLACK COLLEGE AND UNI-
8 VERSITY.—The term “historically Black college and
9 university” has the meaning given the term “part B
10 institution” in section 322 of the Higher Education
11 Act of 1965 (20 U.S.C. 1061).

12 (10) INSTITUTION OF HIGHER EDUCATION.—
13 The term “institution of higher education” has the
14 meaning given the term in section 101(a) of the
15 Higher Education Act of 1965 (20 U.S.C. 1001(a)).

16 (11) LABOR ORGANIZATION.—The term “labor
17 organization” has the meaning given the term in
18 section 2(5) of the National Labor Relations Act (29
19 U.S.C. 152(5)), except that such term shall also in-
20 clude—

21 (A) any organization composed of labor or-
22 ganizations, such as a labor union federation or
23 a State or municipal labor body; and

24 (B) any organization which would be in-
25 cluded in the definition for such term under

1 such section 2(5) but for the fact that the orga-
2 nization represents—

3 (i) individuals employed by the United
4 States, any wholly owned Government cor-
5 poration, any Federal Reserve Bank, or
6 any State or political subdivision thereof;

7 (ii) individuals employed by persons
8 subject to the Railway Labor Act (45
9 U.S.C. 151 et seq.); or

10 (iii) individuals employed as agricul-
11 tural laborers.

12 (12) MINORITY-SERVING INSTITUTION.—The
13 term “minority-serving institution” means a His-
14 panic-serving institution, an Alaska Native-serving
15 institution, a Native Hawaiian-serving institutions, a
16 Predominantly Black Institution, an Asian American
17 and Native American Pacific Islander-serving insti-
18 tution, or a Native American-serving nontribal insti-
19 tution as described in section 371 of the Higher
20 Education Act of 1965 (20 U.S.C. 1067q(a)).

21 (13) NON-PROFIT ORGANIZATION.—The term
22 “non-profit organization” means an organization
23 which is described in section 501(c)(3) of the Inter-
24 nal Revenue Code of 1986 and exempt from tax
25 under section 501(a) of such code.

1 (14) NSF INCLUDES.—The term “NSF in-
2 includes” means the initiative carried out under sec-
3 tion 10306(c).

4 (15) PREK-12.—The term “preK-12” means
5 pre-kindergarten through grade 12.

6 (16) RESEARCH AND DEVELOPMENT AWARD.—
7 The term “research and development award” means
8 support provided to an individual or entity by a Fed-
9 eral research agency to carry out research and devel-
10 opment activities, which may include support in the
11 form of a grant, contract, cooperative agreement, or
12 other such transaction. The term does not include a
13 grant, contract, agreement or other transaction for
14 the procurement of goods or services to meet the ad-
15 ministrative needs of a Federal research agency.

16 (17) SKILLED TECHNICAL WORK.—The term
17 “skilled technical work” means an occupation that
18 requires a high level of knowledge in a technical do-
19 main and does not require a bachelor’s degree for
20 entry.

21 (18) STEM.—The term “STEM” has the
22 meaning given the term in section 2 of the America
23 COMPETES Reauthorization Act of 2010 (42
24 U.S.C. 6621 note).

1 (19) STEM EDUCATION.—The term “STEM
2 education” has the meaning given the term in sec-
3 tion 2 of the STEM Education Act of 2015 (42
4 U.S.C. 6621 note).

5 (20) TRIBAL COLLEGE OR UNIVERSITY.—The
6 term “Tribal College or University” has the meaning
7 given such term in section 316 of the Higher Edu-
8 cation Act of 1965 (20 U.S.C. 1059c).

9 **SEC. 10303. AUTHORIZATION OF APPROPRIATIONS.**

10 (a) FISCAL YEAR 2022.—

11 (1) IN GENERAL.—There are authorized to be
12 appropriated to the Foundation \$12,504,890,000 for
13 fiscal year 2022.

14 (2) SPECIFIC ALLOCATIONS.—Of the amount
15 authorized under paragraph (1)—

16 (A) \$10,025,000,000 shall be made avail-
17 able to carry out research and related activities,
18 of which—

19 (i) \$55,000,000 shall be for the Mid-
20 Scale Research Infrastructure Program;
21 and

22 (ii) \$1,400,000,000 shall be for the
23 Directorate for Science and Engineering
24 Solutions;

1 (B) \$1,583,160,000 shall be made avail-
2 able for education and human resources, of
3 which—

4 (i) \$73,700,000 shall be for the Rob-
5 ert Noyce Teacher Scholarship Program;

6 (ii) \$59,500,000 shall be for the NSF
7 Research Traineeship Program;

8 (iii) \$416,300,000 shall be for the
9 Graduate Research Fellowship Program;
10 and

11 (iv) \$70,000,000 shall be for the
12 Cybercorps Scholarship for Service Pro-
13 gram;

14 (C) \$249,000,000 shall be made available
15 for major research equipment and facilities con-
16 struction, of which \$76,250,000 shall be for the
17 Mid-Scale Research Infrastructure Program;

18 (D) \$620,000,000 shall be made available
19 for agency operations and award management;

20 (E) \$4,620,000 shall be made available for
21 the Office of the National Science Board; and

22 (F) \$23,120,000 shall be made available
23 for the Office of the Inspector General.

24 (b) FISCAL YEAR 2023.—

1 (1) IN GENERAL.—There are authorized to be
2 appropriated to the Foundation \$14,620,800,000 for
3 fiscal year 2023.

4 (2) SPECIFIC ALLOCATIONS.—Of the amount
5 authorized under paragraph (1)—

6 (A) \$11,870,000,000 shall be made avail-
7 able to carry out research and related activities,
8 of which—

9 (i) \$60,000,000 shall be for the Mid-
10 Scale Research Infrastructure Program;
11 and

12 (ii) \$2,300,000,000 shall be for the
13 Directorate for Science and Engineering
14 Solutions;

15 (B) \$1,654,520,000 shall be made avail-
16 able for education and human resources, of
17 which—

18 (i) \$80,400,000 shall be for the Rob-
19 ert Noyce Teacher Scholarship Program;

20 (ii) \$64,910,000 shall be for the NSF
21 Research Traineeship Program;

22 (iii) \$454,140,000 shall be for the
23 Graduate Research Fellowship Program;
24 and

1 (iv) \$72,000,000 shall be for the
2 Cybercorps Scholarship for Service Pro-
3 gram;

4 (C) \$355,000,000 shall be made available
5 for major research equipment and facilities con-
6 struction, of which \$80,000,000 shall be for the
7 Mid-Scale Research Infrastructure Program;

8 (D) \$710,000,000 shall be made available
9 for agency operations and award management;

10 (E) \$4,660,000 shall be made available for
11 the Office of the National Science Board; and

12 (F) \$26,610,000 shall be made available
13 for the Office of the Inspector General.

14 (c) FISCAL YEAR 2024.—

15 (1) IN GENERAL.—There are authorized to be
16 appropriated to the Foundation \$15,945,020,000 for
17 fiscal year 2024.

18 (2) SPECIFIC ALLOCATIONS.—Of the amount
19 authorized under paragraph (1)—

20 (A) \$13,050,000,000 shall be made avail-
21 able to carry out research and related activities,
22 of which—

23 (i) \$70,000,000 shall be for the Mid-
24 Scale Research Infrastructure Program;
25 and

1 (ii) \$2,900,000,000 shall be for the
2 Directorate for Science and Engineering
3 Solutions;

4 (B) \$1,739,210,000 shall be made avail-
5 able for education and human resources, of
6 which—

7 (i) \$87,100,000 shall be for the Rob-
8 ert Noyce Teacher Scholarship Program;

9 (ii) \$70,320,000 shall be for the NSF
10 Research Traineeship Program;

11 (iii) \$491,990,000 shall be for the
12 Graduate Research Fellowship Program;
13 and

14 (iv) \$78,000,000 shall be for the
15 Cybercorps Scholarship for Service Pro-
16 gram;

17 (C) \$370,000,000 shall be made available
18 for major research equipment and facilities con-
19 struction, of which \$85,000,000 shall be for the
20 Mid-Scale Research Infrastructure Program;

21 (D) \$750,000,000 shall be made available
22 for agency operations and award management;

23 (E) \$4,700,000 shall be made available for
24 the Office of the National Science Board; and

1 (F) \$31,110,000 shall be made available
2 for the Office of the Inspector General.

3 (d) FISCAL YEAR 2025.—

4 (1) IN GENERAL.—There are authorized to be
5 appropriated to the Foundation \$17,004,820,000 for
6 fiscal year 2025.

7 (2) SPECIFIC ALLOCATIONS.—Of the amount
8 authorized under paragraph (1)—

9 (A) \$14,000,000,000 shall be made avail-
10 able to carry out research and related activities,
11 of which—

12 (i) \$75,000,000 shall be for the Mid-
13 Scale Research Infrastructure Program;
14 and

15 (ii) \$3,250,000,000 shall be for the
16 Directorate for Science and Engineering
17 Solutions;

18 (B) \$1,823,470,000 shall be made avail-
19 able for education and human resources, of
20 which—

21 (i) \$93,800,000 shall be for the Rob-
22 ert Noyce Teacher Scholarship Program;

23 (ii) \$75,730,000 shall be for the NSF
24 Research Traineeship Program;

1 (iii) \$529,830,000 shall be for the
2 Graduate Research Fellowship Program;
3 and

4 (iv) \$84,000,000 shall be for the
5 Cybercorps Scholarship for Service Pro-
6 gram;

7 (C) \$372,000,000 shall be made available
8 for major research equipment and facilities con-
9 struction, of which \$90,000,000 shall be for the
10 Mid-Scale Research Infrastructure Program;

11 (D) \$770,000,000 shall be made available
12 for agency operations and award management;

13 (E) \$4,740,000 shall be made available for
14 the Office of the National Science Board; and

15 (F) \$34,610,000 shall be made available
16 for the Office of the Inspector General.

17 (e) FISCAL YEAR 2026.—

18 (1) IN GENERAL.—There are authorized to be
19 appropriated to the Foundation \$17,939,490,000 for
20 fiscal year 2026.

21 (2) SPECIFIC ALLOCATIONS.—Of the amount
22 authorized under paragraph (1)—

23 (A) \$14,800,000,000 shall be made avail-
24 able to carry out research and related activities,
25 of which—

1 (i) \$80,000,000 shall be for the Mid-
2 Scale Research Infrastructure Program;
3 and

4 (ii) \$3,400,000,000 shall be for the
5 Directorate for Science and Engineering
6 Solutions;

7 (B) \$1,921,600,000 shall be made avail-
8 able for education and human resources, of
9 which—

10 (i) \$100,500,000 shall be for the Rob-
11 ert Noyce Teacher Scholarship Program;

12 (ii) \$81,140,000 shall be for the NSF
13 Research Traineeship Program;

14 (iii) \$567,680,000 shall be for the
15 Graduate Research Fellowship Program;
16 and

17 (iv) \$90,000,000 shall be for the
18 Cybercorps Scholarship for Service Pro-
19 gram;

20 (C) \$375,000,000 shall be made available
21 for major research equipment and facilities con-
22 struction, of which \$100,000,000 shall be for
23 the Mid-Scale Research Infrastructure Pro-
24 gram;

1 (D) \$800,000,000 shall be made available
2 for agency operations and award management;

3 (E) \$4,780,000 shall be made available for
4 the Office of the National Science Board; and

5 (F) \$38,110,000 shall be made available
6 for the Office of the Inspector General.

7 **SEC. 10304. STEM EDUCATION.**

8 (a) PREK-12 STEM EDUCATION.—

9 (1) DECADAL SURVEY OF STEM EDUCATION RE-
10 SEARCH.—Not later than 45 days after the date of
11 enactment of this Act, the Director shall enter into
12 a contract with the Academies to review and assess
13 the status and opportunities for PreK–12 STEM
14 education research and make recommendations for
15 research priorities over the next decade.

16 (2) SCALING INNOVATIONS IN PREK-12 STEM
17 EDUCATION.—

18 (A) IN GENERAL.—The Director shall es-
19 tablish a program to award grants, on a com-
20 petitive basis, to institutions of higher edu-
21 cation or non-profit organizations (or consortia
22 of such institutions or organizations) to estab-
23 lish no fewer than 3 multidisciplinary Centers
24 for Transformative Education Research and
25 Translation (in this section referred to as “Cen-

1 ters’’) to support research and development on
2 widespread and sustained implementation of
3 STEM education innovations.

4 (B) APPLICATION.—An institution of high-
5 er education or non-profit organization (or a
6 consortium of such institutions or organiza-
7 tions) seeking funding under subparagraph (A)
8 shall submit an application to the Director at
9 such time, in such manner, and containing such
10 information as the Director may require. The
11 application shall include, at a minimum, a de-
12 scription of how the proposed Center will—

13 (i) establish partnerships among aca-
14 demic institutions, local or State education
15 agencies, and other relevant stakeholders
16 in supporting programs and activities to
17 facilitate the widespread and sustained im-
18 plementation of promising, evidence-based
19 STEM education practices, models, pro-
20 grams, curriculum, and technologies;

21 (ii) support enhanced STEM edu-
22 cation infrastructure, including
23 cyberlearning technologies, to facilitate the
24 widespread adoption of promising, evi-
25 dence-based practices;

1 (iii) support research and development
2 on scaling practices, partnerships, and al-
3 ternative models to current approaches, in-
4 cluding approaches sensitive to the unique
5 combinations of capabilities, resources, and
6 needs of varying localities, educators, and
7 learners;

8 (iv) include a focus on the learning
9 needs of under resourced schools and
10 learners in low-resource or underachieving
11 local education agencies in urban and rural
12 communities and the development of high-
13 quality curriculum that engages these
14 learners in the knowledge and practices of
15 STEM fields;

16 (v) include a focus on the learning
17 needs and unique challenges facing stu-
18 dents with disabilities; and

19 (vi) support research and development
20 on scaling practices and models to support
21 and sustain highly-qualified STEM edu-
22 cators in urban and rural communities.

23 (C) ADDITIONAL CONSIDERATIONS.—In
24 awarding a grant under this paragraph, the Di-

1 rector may also consider the extent to which the
2 proposed Center will—

3 (i) leverage existing collaborations,
4 tools, and strategies supported by the
5 Foundation, including NSF INCLUDES
6 and the Convergence Accelerators;

7 (ii) support research on and the devel-
8 opment and scaling of innovative ap-
9 proaches to distance learning and edu-
10 cation for various student populations;

11 (iii) support education innovations
12 that leverage new technologies or deepen
13 understanding of the impact of technology
14 on educational systems; and

15 (iv) include a commitment from local
16 or State education administrators to mak-
17 ing the proposed reforms and activities a
18 priority.

19 (D) PARTNERSHIP.—In carrying out the
20 program under subparagraph (A), the Director
21 shall explore opportunities to partner with the
22 Department of Education, including through
23 jointly funding activities under this paragraph.

24 (E) ANNUAL MEETING.—The Director
25 shall encourage and facilitate an annual meet-

1 ing of the Centers to foster collaboration among
2 the Centers and to further disseminate the re-
3 sults of the Centers' activities.

4 (F) REPORT.—Not later than 5 years after
5 the date of enactment of this Act, the Director
6 shall submit to Congress a report describing the
7 activities carried out pursuant to this para-
8 graph that includes—

9 (i) a description of the focus and pro-
10 posed goals of each Center; and

11 (ii) an assessment of the program's
12 success in helping to promote scalable solu-
13 tions in PreK-12 STEM education.

14 (3) NATIONAL ACADEMIES STUDY.—Not later
15 than 45 days after the date of enactment of this
16 Act, the Director shall enter into an agreement with
17 the Academies to conduct a study to—

18 (A) review the research literature and iden-
19 tify research gaps regarding the interconnected
20 factors that foster and hinder successful imple-
21 mentation of promising, evidence-based PreK-
22 12 STEM education innovations at the local,
23 regional, and national level;

1 (B) present a compendium of promising,
2 evidence-based PreK-12 STEM education prac-
3 tices, models, programs, and technologies;

4 (C) identify barriers to widespread and
5 sustained implementation of such innovations;
6 and

7 (D) make recommendations to the Founda-
8 tion, the Department of Education, the Na-
9 tional Science and Technology Council's Com-
10 mittee on Science, Technology, Engineering,
11 and Mathematics Education, State and local
12 educational agencies, and other relevant stake-
13 holders on measures to address such barriers.

14 (4) SUPPORTING PRE-K-8 INFORMAL STEM OP-
15 PORTUNITIES.—Section 3 of the STEM Education
16 Act of 2015 (42 U.S.C. 1862q) is amended by add-
17 ing at the end the following:

18 “(c) PRE-K-8 INFORMAL STEM PROGRAM.—

19 “(1) IN GENERAL.—The Director of the Na-
20 tional Science Foundation shall provide grants to in-
21 stitutions of higher education or a non-profit organi-
22 zations (or a consortia of such intuitions or organi-
23 zation) on a merit-reviewed, competitive basis for re-
24 search on programming that engages students in
25 grades PREK-8, including underrepresented and

1 rural students, in STEM in order to prepare such
2 students to pursue degrees or careers in STEM.

3 “(2) USE OF FUNDS.—

4 “(A) IN GENERAL.—Grants awarded under
5 this section shall be used toward research to ad-
6 vance the engagement of students, including
7 underrepresented and rural students, in grades
8 PREK-8 in STEM through providing before-
9 school, after-school, out-of-school, or summer
10 activities, including in single-gender environ-
11 ments or programming, that are designed to en-
12 courage interest, engagement, and skills devel-
13 opment for students in STEM.

14 “(B) PERMITTED ACTIVITIES.—The activi-
15 ties described in subparagraph (A) may in-
16 clude—

17 “(i) the provision of programming de-
18 scribed in such subparagraph for the pur-
19 pose of research described in such subpara-
20 graph;

21 “(ii) the use of a variety of engage-
22 ment methods, including cooperative and
23 hands-on learning;

1 “(iii) exposure of students to role
2 models in the fields of STEM and near-
3 peer mentors;

4 “(iv) training of informal learning
5 educators, youth-serving professionals, and
6 volunteers who lead informal STEM pro-
7 grams in using evidence-based methods
8 consistent with the target student popu-
9 lation being served;

10 “(v) education of students on the rel-
11 evance and significance of STEM careers,
12 provision of academic advice and assist-
13 ance, and activities designed to help stu-
14 dents make real-world connections to
15 STEM content;

16 “(vi) the attendance of students at
17 events, competitions, and academic pro-
18 grams to provide content expertise and en-
19 courage career exposure in STEM, which
20 may include the purchase of parts and sup-
21 plies needed to participate in such competi-
22 tions;

23 “(vii) activities designed to engage
24 parents and families of students in grades
25 PREK-8 in STEM;

1 “(viii) innovative strategies to engage
2 students, such as using leadership skills
3 and outcome measures to impart youth
4 with the confidence to pursue STEM
5 coursework and academic study;

6 “(ix) coordination with STEM-rich
7 environments, including other nonprofit,
8 nongovernmental organizations, out-of-
9 classroom settings, single-gender environ-
10 ments, institutions of higher education, vo-
11 cational facilities, corporations, museums,
12 or science centers; and

13 “(x) the acquisition of instructional
14 materials or technology-based tools to con-
15 duct applicable grant activity.

16 “(3) APPLICATION.—An applicant seeking
17 funding under the section shall submit an applica-
18 tion at such time, in such manner, and containing
19 such information as may be required. Applications
20 that include or partner with a nonprofit, nongovern-
21 mental organization that has extensive experience
22 and expertise in increasing the participation of stu-
23 dents in PREK-8 in STEM are encouraged. The ap-
24 plication may include the following:

1 “(A) A description of the target audience
2 to be served by the research activity or activi-
3 ties for which such funding is sought.

4 “(B) A description of the process for re-
5 cruitment and selection of students to partici-
6 pate in such activities.

7 “(C) A description of how such activity or
8 activities may inform programming that en-
9 gages students in grades PREK-8 in STEM.

10 “(D) A description of how such activity or
11 activities may inform programming that pro-
12 motes student academic achievement in STEM.

13 “(E) An evaluation plan that includes, at
14 a minimum, the use of outcome-oriented meas-
15 ures to determine the impact and efficacy of
16 programming being researched.

17 “(4) EVALUATIONS.—Each recipient of a grant
18 under this section shall provide, at the conclusion of
19 every year during which the grant funds are re-
20 ceived, an evaluation in a form prescribed by the Di-
21 rector.

22 “(5) ACCOUNTABILITY AND DISSEMINATION.—

23 “(A) EVALUATION REQUIRED.—The Direc-
24 tor shall evaluate the activities established
25 under this section. Such evaluation shall—

1 “(i) use a common set of benchmarks
2 and tools to assess the results of research
3 conducted under such grants; and

4 “(ii) to the extent practicable, inte-
5 grate the findings of the research resulting
6 from the activity or activities funded
7 through the grant with the current re-
8 search on serving students with respect to
9 the pursuit of degrees or careers in STEM,
10 including underrepresented and rural stu-
11 dents, in grades PREK-8.

12 “(B) REPORT ON EVALUATIONS.—Not
13 later than 180 days after the completion of the
14 evaluation under subparagraph (A), the Direc-
15 tor shall submit to Congress and make widely
16 available to the public a report that includes—

17 “(i) the results of the evaluation; and

18 “(ii) any recommendations for admin-
19 istrative and legislative action that could
20 optimize the effectiveness of the program
21 under this section.

22 “(6) COORDINATION.—In carrying out this sec-
23 tion, the Director shall, for purposes of enhancing
24 program effectiveness and avoiding duplication of ac-
25 tivities, consult, cooperate, and coordinate with the

1 programs and policies of other relevant Federal
2 agencies.”.

3 (b) UNDERGRADUATE STEM EDUCATION.—

4 (1) RESEARCH ON STEM EDUCATION AND
5 WORKFORCE NEEDS.—The Director shall award
6 grants, on a competitive basis, to four-year institu-
7 tions of higher education or non-profit organizations
8 (or consortia of such institutions or organizations) to
9 support research and development activities to—

10 (A) encourage greater collaboration and
11 coordination between institutions of higher edu-
12 cation and industry to enhance education, foster
13 hands-on learn experiences, and improve align-
14 ment with workforce needs;

15 (B) understand the current composition of
16 the STEM workforce and the factors that influ-
17 ence growth, retention, and development of that
18 workforce;

19 (C) increase the size, diversity, capability,
20 and flexibility of the STEM workforce; and

21 (D) increase dissemination and widespread
22 adoption of effective practices in undergraduate
23 education and workforce development.

24 (2) ADVANCED TECHNOLOGICAL EDUCATION
25 PROGRAM UPDATE.—Section 3(b) of the Scientific

1 and Advanced-Technology Act of 1992 (42 U.S.C.
2 1862i(b)) is amended to read as follows:

3 “(b) NATIONAL COORDINATION NETWORK FOR
4 SCIENCE AND TECHNICAL EDUCATION.—The Director
5 shall award grants to institutions of higher education,
6 non-profit organizations, and associate-degree granting
7 colleges (or consortia of such institutions or organizations)
8 to establish a network of centers for science and technical
9 education. The centers shall—

10 “(1) coordinate research, training, and edu-
11 cation activities funded by awards under subsection
12 (a) and share information and best practices across
13 the network of awardees;

14 “(2) serve as a national and regional clearing-
15 house and resource to communicate and coordinate
16 research, training, and educational activities across
17 disciplinary, organizational, geographic, and inter-
18 national boundaries and disseminate best practices;
19 and

20 “(3) develop national and regional partnerships
21 between PreK–12 schools, two-year colleges, institu-
22 tions of higher education, workforce development
23 programs, labor organizations, and industry to meet
24 workforce needs.”.

1 (3) INNOVATIONS IN STEM EDUCATION AT COM-
2 MUNITY COLLEGES.—

3 (A) IN GENERAL.—The Director shall
4 award grants on a merit-reviewed, competitive
5 basis to institutions of higher education or non-
6 profit organizations (or consortia of such insti-
7 tutions or organizations) to advance research on
8 the nature of learning and teaching at commu-
9 nity colleges and to improve outcomes for stu-
10 dents who enter the workforce upon completion
11 of their STEM degree or credential or transfer
12 to 4-year institutions, including by—

13 (i) examining how to scale up success-
14 ful programs at Community Colleges that
15 are improving student outcomes in
16 foundational STEM courses;

17 (ii) supporting research on effective
18 STEM teaching practices in community
19 college settings;

20 (iii) designing and developing new
21 STEM curricula;

22 (iv) providing STEM students with
23 hands-on training and research experi-
24 ences, internships, and other experiential
25 learning opportunities;

1 (v) increasing access to high quality
2 STEM education through new tech-
3 nologies;

4 (vi) re-skilling or up-skilling incum-
5 bent workers for new STEM jobs;

6 (vii) building STEM career and seam-
7 less transfer pathways; and

8 (viii) developing novel mechanisms to
9 identify and recruit talent into STEM pro-
10 grams, in particular talent from groups
11 historically underrepresented in STEM.

12 (B) PARTNERSHIPS.—In carrying out ac-
13 tivities under this paragraph, the Director shall
14 encourage applications to develop, enhance, or
15 expand cooperative STEM education and train-
16 ing partnerships between institutions of higher
17 education, industry, and labor organizations.

18 (c) ADVANCED TECHNOLOGICAL MANUFACTURING
19 ACT.—

20 (1) FINDINGS AND PURPOSE.—Section 2 of the
21 Scientific and Advanced-Technology Act of 1992 (42
22 U.S.C. 1862h) is amended—

23 (A) in subsection (a)—

24 (i) in paragraph (3), by striking
25 “science, mathematics, and technology”

1 and inserting “science, technology, engi-
2 neering, and mathematics or STEM”;

3 (ii) in paragraph (4), by inserting
4 “educated” and before “trained”; and

5 (iii) in paragraph (5), by striking
6 “scientific and technical education and
7 training” and inserting “STEM education
8 and training”; and

9 (B) in subsection (b)—

10 (i) in paragraph (2), by striking
11 “mathematics and science” and inserting
12 “STEM fields”; and

13 (ii) in paragraph (4), by striking
14 “mathematics and science instruction” and
15 inserting “STEM instruction”.

16 (2) MODERNIZING REFERENCES TO STEM.—

17 Section 3 of the Scientific and Advanced-Technology
18 Act of 1992 (42 U.S.C. 1862i) is amended—

19 (A) in the section heading, by striking
20 “**SCIENTIFIC AND TECHNICAL EDUCATION**
21 ” and inserting “**STEM EDUCATION**”;

22 (B) in subsection (a)—

23 (i) in the subsection heading, by strik-
24 ing “**SCIENTIFIC AND TECHNICAL EDU-**

1 CATION ” and inserting “STEM EDU-
2 CATION”;

3 (ii) in the matter preceding paragraph
4 (1)—

5 (I) by inserting “and education
6 to prepare the skilled technical work-
7 force to meet workforce demands” be-
8 fore “, and to improve”;

9 (II) by striking “core education
10 courses in science and mathematics”
11 and inserting “core education courses
12 in STEM fields”;

13 (III) by inserting “veterans and
14 individuals engaged in” before “work
15 in the home”; and

16 (IV) by inserting “and on build-
17 ing a pathway from secondary schools,
18 to associate-degree-granting institu-
19 tions, to careers that require technical
20 training” before “, and shall be de-
21 signed”;

22 (iii) in paragraph (1)—

23 (I) by inserting “and study”
24 after “development”; and

1 (II) by striking “core science and
2 mathematics courses” and inserting
3 “core STEM courses”;

4 (iv) in paragraph (2), by striking
5 “science, mathematics, and advanced-tech-
6 nology fields” and inserting “STEM and
7 advanced-technology fields”;

8 (v) in paragraph (3)(A), by inserting
9 “to support the advanced-technology indus-
10 tries that drive the competitiveness of the
11 United States in the global economy” be-
12 fore the semicolon at the end;

13 (vi) in paragraph (4), by striking “sci-
14 entific and advanced-technology fields” and
15 inserting “STEM and advanced-technology
16 fields”; and

17 (vii) in paragraph (5), by striking
18 “advanced scientific and technical edu-
19 cation” and inserting “advanced STEM
20 and advanced-technology”;

21 (C) in subsection (c)—

22 (i) in paragraph (1)—

23 (I) in subparagraph (A)—

24 (aa) in the matter preceding
25 clause (i), by striking “to encour-

1 age” and all that follows through
2 “such means as—” and inserting
3 “to encourage the development of
4 career and educational pathways
5 with multiple entry and exit
6 points leading to credentials and
7 degrees, and to assist students
8 pursuing pathways in STEM
9 fields to transition from asso-
10 ciate-degree-granting colleges to
11 bachelor-degree-granting institu-
12 tions, through such means as—”;

13 (bb) in clause (i), by striking
14 “to ensure” and inserting “to de-
15 velop articulation agreements
16 that ensure”; and

17 (cc) in clause (ii), by strik-
18 ing “courses at the bachelor-de-
19 gree-granting institution” and in-
20 sserting “the career and edu-
21 cational pathways supported by
22 the articulation agreements”;

23 (II) in subparagraph (B)—

24 (aa) in clause (i), by insert-
25 ing “veterans and individuals en-

1 gaged in” before “work in the
2 home”;

3 (bb) in clause (iii)—

4 (AA) by striking “bach-
5 elor’s-degree-granting insti-
6 tutions” and inserting “in-
7 stitutions or work sites”;
8 and

9 (BB) by inserting “or
10 industry internships” after
11 “summer programs”; and

12 (cc) by striking the flush
13 text following clause (iv); and

14 (III) by striking subparagraph
15 (C);

16 (ii) in paragraph (2)—

17 (I) by striking “mathematics and
18 science programs” and inserting
19 “STEM programs”;

20 (II) by inserting “and, as appro-
21 priate, elementary schools,” after
22 “with secondary schools”;

23 (III) by striking “mathematics
24 and science education” and inserting
25 “STEM education”;

1 (IV) by striking “secondary
2 school students” and inserting “stu-
3 dents at these schools”;

4 (V) by striking “science and ad-
5 vanced-technology fields” and insert-
6 ing “STEM and advanced-technology
7 fields”; and

8 (VI) by striking “agreements
9 with local educational agencies” and
10 inserting “articulation agreements or
11 dual credit courses with local sec-
12 ondary schools, or other means as the
13 Director determines appropriate,”;
14 and

15 (iii) in paragraph (3)—

16 (I) by striking subparagraph (B);

17 (II) by striking “shall—” and all
18 that follows through “establish a” and
19 inserting “shall establish a”;

20 (III) by striking “the fields of
21 science, technology, engineering, and
22 mathematics” and inserting “STEM
23 fields”; and

1 (IV) by striking “; and” and in-
2 serting “, including jobs at Federal
3 and academic laboratories.”;

4 (D) in subsection (d)(2)—

5 (i) in subparagraph (D), by striking
6 “and” after the semicolon;

7 (ii) in subparagraph (E), by striking
8 the period at the end and inserting a “;
9 and”; and

10 (iii) by adding at the end the fol-
11 lowing:

12 “(F) as appropriate, applications that
13 apply the best practices for STEM education
14 and technical skills education through distance
15 learning or in a simulated work environment, as
16 determined by research described in subsection
17 (f); and”;

18 (E) in subsection (g), by striking the sec-
19 ond sentence;

20 (F) in subsection (h)(1)—

21 (i) in subparagraph (A), by striking
22 “2022” and inserting “2026”;

23 (ii) in subparagraph (B), by striking
24 “2022” and inserting “2026”; and

25 (iii) in subparagraph (C)—

1 (I) by striking “up to
2 \$2,500,000” and inserting “not less
3 than \$3,000,000”; and

4 (II) by striking “2022” and in-
5 serting “2026”;

6 (G) in subsection (i)—

7 (i) by striking paragraph (3); and

8 (ii) by redesignating paragraphs (4)
9 and (5) as paragraphs (3) and (4), respec-
10 tively; and

11 (H) in subsection (j)—

12 (i) by striking paragraph (1) and in-
13 serting the following:

14 “(1) the term advanced-technology includes
15 technological fields such as advanced manufacturing,
16 agricultural-, biological- and chemical-technologies,
17 energy and environmental technologies, engineering
18 technologies, information technologies, micro and
19 nano-technologies, cybersecurity technologies,
20 geospatial technologies, and new, emerging tech-
21 nology areas;”;

22 (ii) in paragraph (4), by striking
23 “separate bachelor-degree-granting institu-
24 tions” and inserting “other entities”;

25 (iii) by striking paragraph (7);

1 (iv) by redesignating paragraphs (8)
2 and (9) as paragraphs (7) and (8), respec-
3 tively;

4 (v) in paragraph (7), as redesignated
5 by subparagraph (D), by striking “and”
6 after the semicolon;

7 (vi) in paragraph (8), as redesignated
8 by subparagraph (D)—

9 (I) by striking “mathematics,
10 science, engineering, or technology”
11 and inserting “science, technology, en-
12 gineering, or mathematics”; and

13 (II) by striking the period at the
14 end and inserting “; and”; and

15 (vii) by adding at the end the fol-
16 lowing:

17 “(9) the term skilled technical workforce means
18 workers—

19 “(A) in occupations that use significant
20 levels of science and engineering expertise and
21 technical knowledge; and

22 “(B) whose level of educational attainment
23 is less than a bachelor degree.”.

24 (3) AUTHORIZATION OF APPROPRIATIONS.—

25 Section 5 of the Scientific and Advanced-Technology

1 Act of 1992 (42 U.S.C. 1862j) is amended to read
2 as follows:

3 **“SEC. 5. AUTHORIZATION OF APPROPRIATIONS.**

4 “There are authorized to be appropriated to the Di-
5 rector for carrying out sections 2 through 4, \$150,000,000
6 for fiscal years 2022 through 2026.”.

7 (d) GRADUATE STEM EDUCATION.—

8 (1) MENTORING AND PROFESSIONAL DEVELOP-
9 MENT.—

10 (A) MENTORING PLANS.—

11 (i) UPDATE.—Section 7008 of the
12 America Creating Opportunities to Mean-
13 ingfully Promote Excellence in Technology,
14 Education, and Science Act (42 U.S.C.
15 1862o) is amended by—

16 (I) inserting “and graduate stu-
17 dent” after “postdoctoral”; and

18 (II) inserting “The requirement
19 may be satisfied by providing such in-
20 dividuals with access to mentors, in-
21 cluding individuals not listed on the
22 grant.” after “review criterion.”.

23 (ii) EVALUATION.—Not later than 45
24 days after the date of enactment of this
25 Act, the Director shall enter into an agree-

1 ment with a qualified independent organi-
2 zation to evaluate the effectiveness of the
3 postdoctoral mentoring plan requirement
4 for improving mentoring for Foundation-
5 supported postdoctoral researchers.

6 (B) CAREER EXPLORATION.—

7 (i) IN GENERAL.—The Director shall
8 award grants, on a competitive basis, to in-
9 stitutions of higher education and non-
10 profit organizations (or consortia of such
11 institutions or organizations) to develop in-
12 novative approaches for facilitating career
13 exploration of academic and non-academic
14 career options and for providing oppor-
15 tunity-broadening experiences, including
16 work-integrated opportunities, for graduate
17 students and postdoctoral scholars that
18 can then be considered, adopted, or adapt-
19 ed by other institutions and to carry out
20 research on the impact and outcomes of
21 such activities.

22 (ii) REVIEW OF PROPOSALS.—In se-
23 lecting grant recipients under this subpara-
24 graph, the Director shall consider, at a
25 minimum—

1 (I) the extent to which the ad-
2 ministrators of the institution are
3 committed to making the proposed ac-
4 tivity a priority; and

5 (II) the likelihood that the insti-
6 tution or organization will sustain or
7 expand the proposed activity effort be-
8 yond the period of the grant.

9 (C) DEVELOPMENT PLANS.—The Director
10 shall require that annual project reports for
11 awards that support graduate students and
12 postdoctoral scholars include certification by the
13 principal investigator that each graduate stu-
14 dent and postdoctoral scholar receiving substan-
15 tial support from such award, as determined by
16 the Director, in consultation with faculty advi-
17 sors, has developed and annually updated an in-
18 dividual development plan to map educational
19 goals, career exploration, and professional de-
20 velopment.

21 (D) PROFESSIONAL DEVELOPMENT SUP-
22 PLEMENT.—The Director shall carry out a five-
23 year pilot initiative to award up to 2,500 ad-
24 ministrative supplements of up to \$2,000 to ex-
25 isting research grants annually, on a competi-

1 tive basis, to support professional development
2 experiences for graduate students and
3 postdoctoral researchers who receive a substan-
4 tial portion of their support under such grants,
5 as determined by the Director. Not more than
6 10 percent of supplements awarded under this
7 subparagraph may be used to support profes-
8 sional development experiences for postdoctoral
9 researchers.

10 (E) GRADUATE EDUCATION RESEARCH.—

11 The Director shall award grants, on a competi-
12 tive basis, to institutions of higher education or
13 non-profit organizations (or consortia of such
14 institutions or organizations) to support re-
15 search on the graduate education system and
16 outcomes of various interventions and policies,
17 including—

18 (i) the effects of traineeships, fellow-
19 ships, internships, and teaching and re-
20 search assistantships on outcomes for
21 graduate students;

22 (ii) the effects of graduate education
23 and mentoring policies and procedures on
24 degree completion, including differences
25 by—

1 (I) gender, race and ethnicity,
2 sexual orientation, gender identity,
3 and citizenship; and

4 (II) student debt load;

5 (iii) the development and assessment
6 of new or adapted interventions, including
7 approaches that improve mentoring rela-
8 tionships, develop conflict management
9 skills, and promote healthy research teams;
10 and

11 (iv) research, data collection, and as-
12 sessment of the state of graduate student
13 mental health and wellbeing, factors con-
14 tributing to and consequences of poor
15 graduate student mental health, and the
16 development, adaptation, and assessment
17 of evidence-based strategies and policies to
18 support emotional wellbeing and mental
19 health.

20 (2) GRADUATE RESEARCH FELLOWSHIP PRO-
21 GRAM UPDATE.—

22 (A) SENSE OF CONGRESS.—It is the sense
23 of Congress that the Foundation should in-
24 crease the number of new graduate research fel-

1 lows supported annually over the next 5 years
2 to no fewer than 3,000 fellows.

3 (B) PROGRAM UPDATE.—Section 10 of the
4 National Science Foundation Act of 1950 (42
5 U.S.C. 1869) is amended—

6 (i) in subsection (a), by inserting
7 “and as will address national workforce de-
8 mand in critical STEM fields” after
9 “throughout the United States”;

10 (ii) in subsection (b), by striking “of
11 \$12,000” and inserting “of at least
12 \$16,000”; and

13 (iii) by adding at the end the fol-
14 lowing:

15 “(c) OUTREACH.—The Director shall ensure program
16 outreach to recruit fellowship applicants from fields of
17 study that are in areas of critical national need, from all
18 regions of the country, and from historically underrep-
19 resented populations in STEM.”.

20 (C) CYBERSECURITY SCHOLARSHIPS AND
21 GRADUATE FELLOWSHIPS.—The Director shall
22 ensure that students pursuing master’s degrees
23 and doctoral degrees in fields relating to cyber-
24 security are considered as applicants for schol-
25 arships and graduate fellowships under the

1 Graduate Research Fellowship Program under
2 section 10 of the National Science Foundation
3 Act of 1950 (42 U.S.C. 1869).

4 (3) STUDY ON GRADUATE STUDENT FUND-
5 ING.—

6 (A) IN GENERAL.—Not later than 45 days
7 after the date of enactment of this Act, the Di-
8 rector shall enter into an agreement with a
9 qualified independent organization to evalu-
10 ate—

11 (i) the role of the Foundation in sup-
12 porting graduate student education and
13 training through fellowships, traineeships,
14 and other funding models; and

15 (ii) the impact of different funding
16 mechanisms on graduate student experi-
17 ences and outcomes, including whether
18 such mechanisms have differential impacts
19 on subsets of the student population.

20 (B) REPORT.—Not later than 1 year after
21 the date of enactment of this Act, the organiza-
22 tion charged with carrying out the study under
23 subparagraph (A) shall publish the results of its
24 evaluation, including a recommendation for the

1 appropriate balance between fellowships,
2 traineeships, and other funding models.

3 (4) FELLOWSHIPS AND TRAINEESHIPS FOR
4 EARLY-CAREER AI RESEARCHERS.—

5 (A) ARTIFICIAL INTELLIGENCE
6 TRAINEESHIPS.—

7 (i) IN GENERAL.—The Director shall
8 award grants to institutions of higher edu-
9 cation to establish traineeship programs
10 for graduate students who pursue artificial
11 intelligence-related research leading to a
12 masters or doctorate degree by providing
13 funding and other assistance, and by pro-
14 viding graduate students opportunities for
15 research experiences in government or in-
16 dustry related to the students' artificial in-
17 telligence studies.

18 (ii) USE OF FUNDS.—A institution of
19 higher education shall use grant funds pro-
20 vided under clause (i) for the purposes
21 of—

22 (I) providing traineeships to stu-
23 dents who are pursuing research in
24 artificial intelligence leading to a mas-
25 ters or doctorate degree;

1 (II) paying tuition and fees for
2 students receiving traineeships;

3 (III) creating and requiring
4 courses or training programs in tech-
5 nology ethics for students receiving
6 traineeships;

7 (IV) creating opportunities for
8 research in technology ethics for stu-
9 dents receiving traineeships;

10 (V) establishing scientific intern-
11 ship programs for students receiving
12 traineeships in artificial intelligence at
13 for-profit institutions, nonprofit re-
14 search institutions, or government lab-
15 oratories; and

16 (VI) other costs associated with
17 the administration of the program.

18 (B) ARTIFICIAL INTELLIGENCE FELLOW-
19 SHIPS.—The Director shall award fellowships to
20 masters and doctoral students and postdoctoral
21 researchers who are pursuing degrees or re-
22 search in artificial intelligence and related
23 fields, including in the field of technology eth-
24 ics. In making such awards, the Director shall
25 conduct outreach, including through formal so-

1 licitations, to solicit proposals from students
2 and postdoctoral researchers seeking to carry
3 out research in aspects of technology ethics
4 with relevance to artificial intelligence systems.

5 (e) STEM WORKFORCE DATA.—

6 (1) SKILLED TECHNICAL WORKFORCE PORT-
7 FOLIO REVIEW.—

8 (A) IN GENERAL.—Not later than 1 year
9 after the date of enactment of this Act, the Di-
10 rector shall conduct a full portfolio analysis of
11 the Foundation’s skilled technical workforce in-
12 vestments across all Directorates in the areas of
13 education, research, infrastructure, data collec-
14 tion, and analysis.

15 (B) REPORT.—Not later than 180 days
16 after the date of the review under subparagraph
17 (A) is complete, the Director shall submit to
18 Congress and make widely available to the pub-
19 lic a summary report of the portfolio review.

20 (2) SURVEY DATA.—

21 (A) ROTATING TOPIC MODULES.—To meet
22 evolving needs for data on the state of the
23 science and engineering workforce, the Director
24 shall assess, through coordination with other
25 Federal statistical agencies and drawing on

1 input from relevant stakeholders, the feasibility
2 and benefits of incorporating questions or topic
3 modules to existing National Center for Science
4 and Engineering Statistics surveys that would
5 vary from cycle to cycle.

6 (B) NEW DATA.—Not later than 1 year
7 after the date of enactment of this Act, the Di-
8 rector shall submit to Congress and the Board
9 the results of an assessment, carried out in co-
10 ordination with other Federal agencies and with
11 input from relevant stakeholders, of the feasi-
12 bility and benefits of incorporating new ques-
13 tions or topic modules to existing National Cen-
14 ter for Science and Engineering Statistics sur-
15 veys on—

- 16 (i) the skilled technical workforce;
17 (ii) working conditions and work-life
18 balance;
19 (iii) harassment and discrimination;
20 (iv) sexual orientation and gender
21 identity;
22 (v) immigration and emigration; and
23 (vi) any other topics at the discretion
24 of the Director.

1 (C) LONGITUDINAL DESIGN.—The Direc-
2 tor shall continue and accelerate efforts to en-
3 hance the usefulness of National Center for
4 Science and Engineering Statistics survey data
5 for longitudinal research and analysis.

6 (D) GOVERNMENT ACCOUNTABILITY OF-
7 FICE REVIEW.—Not later than 1 year after the
8 date of enactment of this Act, the Comptroller
9 General of the United States shall submit a re-
10 port to Congress that—

11 (i) evaluates Foundation processes for
12 ensuring the data and analysis produced
13 by the National Center for Science and
14 Engineering Statistics meets current and
15 future needs; and

16 (ii) includes such recommendations as
17 the Comptroller General determines are
18 appropriate to improve such processes.

19 (f) CYBER WORKFORCE DEVELOPMENT RESEARCH
20 AND DEVELOPMENT.—

21 (1) IN GENERAL.—The Director shall award
22 grants on a merit-reviewed, competitive basis to in-
23 stitutions of higher education or non-profit organiza-
24 tions (or a consortia of such institutions or organiza-
25 tions) to carry out research on the cyber workforce.

1 (2) RESEARCH.—In carrying out research pur-
2 suant to paragraph (1), the Director shall support
3 research and development activities to—

4 (A) understand the current state of the
5 cyber workforce, including factors that influence
6 growth, retention, and development of that
7 workforce;

8 (B) examine paths to entry and re-entry
9 into the cyber workforce;

10 (C) understand trends of the cyber work-
11 force, including demographic representation,
12 educational and professional backgrounds
13 present, competencies available, and factors
14 that shape employee recruitment, development,
15 and retention and how to increase the size, di-
16 versity, and capability of the cyber workforce;

17 (D) examine and evaluate training prac-
18 tices, models, programs, and technologies; and

19 (E) other closely related topics as the Di-
20 rector determines appropriate.

21 (3) REQUIREMENTS.—In carrying out the ac-
22 tivities described in paragraph (2), the Director
23 shall—

24 (A) collaborate with the National Institute
25 of Standards and Technology, including the Na-

1 tional Initiative for Cybersecurity Education,
2 the Department of Homeland Security, the De-
3 partment of Defense, the Office of Personnel
4 Management, and other Federal departments
5 and agencies, as appropriate;

6 (B) align with or build on the National
7 Initiative on Cybersecurity Education Cyberse-
8 curity Workforce Framework wherever prac-
9 ticable and applicable;

10 (C) leverage the collective body of knowl-
11 edge from existing cyber workforce development
12 research and education activities; and

13 (D) engage with other Federal depart-
14 ments and agencies, research communities, and
15 potential users of information produced under
16 this subsection.

17 (g) FEDERAL CYBER SCHOLARSHIP-FOR-SERVICE
18 PROGRAM.—

19 (1) SENSE OF CONGRESS.—It is the sense of
20 Congress that—

21 (A) since cybersecurity risks are constant
22 in the growing digital world, it is critical that
23 the United States stay ahead of malicious cyber
24 activity with a workforce that can safeguard

1 our innovation, research, and work environ-
2 ments; and

3 (B) Federal investments in the Federal
4 Cyber Scholarship-for-Service Program at the
5 National Science Foundation play a critical role
6 in preparing and sustaining a strong, talented,
7 and much-needed national cybersecurity work-
8 force and should be strengthened.

9 (2) IN GENERAL.—Section 302(b)(1) of the Cy-
10 bersecurity Enhancement Act of 2014 (15 U.S.C.
11 7442(b)(1)) is amended by striking the semicolon at
12 the end and inserting the following “and cybersecu-
13 rity-related aspects of other related fields as appro-
14 priate, including artificial intelligence, quantum com-
15 puting and aerospace;”.

16 (h) CYBERSECURITY WORKFORCE DATA INITIA-
17 TIVE.—The Director, acting through the National Center
18 for Science and Engineering Statistics established in sec-
19 tion 505 of the America COMPETES Reauthorization Act
20 of 2010 (42 U.S.C. 1862p) and in coordination with the
21 Director of the National Institute of Standards and Tech-
22 nology and other appropriate Federal statistical agencies,
23 shall establish a cybersecurity workforce data initiative
24 that—

1 (1) assesses the feasibility of providing nation-
2 ally representative estimates and statistical informa-
3 tion on the cybersecurity workforce;

4 (2) utilizes the National Initiative for Cyberse-
5 curity Education (NICE) Cybersecurity Workforce
6 Framework (NIST Special Publication 800–181), or
7 other frameworks, as appropriate, to enable a con-
8 sistent measurement of the cybersecurity workforce;

9 (3) utilizes and complements existing data on
10 employer requirements and unfilled positions in the
11 cybersecurity workforce;

12 (4) consults key stakeholders and the broader
13 community of practice in cybersecurity workforce de-
14 velopment to determine data requirements needed to
15 strengthen the cybersecurity workforce;

16 (5) evaluates existing Federal survey data for
17 information pertinent to developing national esti-
18 mates of the cybersecurity workforce;

19 (6) evaluates administrative data and other
20 supplementary data sources, as available, to describe
21 and measure the cybersecurity workforce; and

22 (7) collects statistical data, to the greatest ex-
23 tent practicable, on credential attainment and em-
24 ployment outcomes information for the cybersecurity
25 workforce.

1 **SEC. 10305. BROADENING PARTICIPATION.**

2 (a) PRESIDENTIAL AWARDS FOR EXCELLENCE IN
3 MATHEMATICS AND SCIENCE TEACHING.—

4 (1) IN GENERAL.—Section 117(a) of the Na-
5 tional Science Foundation Authorization Act of 1988
6 (42 U.S.C. 1881b(a)) is amended—

7 (A) in subparagraph (B)—

8 (i) by striking “108” and inserting
9 “110”;

10 (ii) by striking clause (iv);

11 (iii) in clause (v), by striking the pe-
12 riod at the end and inserting “; and”;

13 (iv) by redesignating clauses (i), (ii),
14 (iii), and (v) as subclauses (I), (II), (III),
15 and (IV), respectively, and moving the
16 margins of such subclauses (as so redesign-
17 ated) two ems to the right; and

18 (v) by striking “In selecting teachers”
19 and all that follows through “two teach-
20 ers—” and inserting the following:

21 “(C) In selecting teachers for an award authorized
22 by this subsection, the President shall select—

23 “(i) at least two teachers—”; and

24 (B) in subparagraph (C), as designated by
25 paragraph (1)(A)(v), by adding at the end the
26 following:

1 “(ii) at least one teacher—

2 “(I) from the Commonwealth of the North-
3 ern Mariana Islands;

4 “(II) from American Samoa;

5 “(III) from the Virgin Islands of the
6 United States; and

7 “(IV) from Guam.”.

8 (2) EFFECTIVE DATE.—The amendments made
9 by paragraph (1) shall apply with respect to awards
10 made on or after the date of the enactment of this
11 Act.

12 (b) ROBERT NOYCE TEACHER SCHOLARSHIP PRO-
13 GRAM UPDATE.—

14 (1) SENSE OF CONGRESS.—It is the sense of
15 Congress that over the next five years the Founda-
16 tion should increase the number of scholarships
17 awarded under the Robert Noyce Teacher Scholar-
18 ship program established under section 10 of the
19 National Science Foundation Authorization Act of
20 2002 (42 U.S.C. 1862n–1) by 50 percent.

21 (2) OUTREACH.—To increase the diversity of
22 participants, the Director shall support symposia, fo-
23 rums, conferences, and other activities to expand
24 and enhance outreach to—

1 (A) historically Black colleges and univer-
2 sities that are part B institutions, as defined in
3 section 322(2) of the Higher Education Act of
4 1965 (20 U.S.C. 1061(2));

5 (B) Tribal Colleges or Universities;

6 (C) Minority serving institutions;

7 (D) institutions of higher education that
8 are located near or serve rural communities;

9 (E) labor organizations;

10 (F) emerging research institutions; and

11 (G) higher education programs that serve
12 or support veterans.

13 (c) NSF INCLUDES INITIATIVE.—The Director
14 shall award grants and cooperative agreements, on a com-
15 petitive basis, to institutions of higher education or non-
16 profit organizations (or consortia of such institutions or
17 organizations) to carry out a comprehensive national ini-
18 tiative to facilitate the development of networks and part-
19 nerships to build on and scale up effective practices in
20 broadening participation in STEM studies and careers of
21 groups historically underrepresented in such studies and
22 careers.

23 (d) BROADENING PARTICIPATION ON MAJOR FACILI-
24 TIES AWARDS.—The Director shall require organizations
25 seeking a cooperative agreement for the management of

1 the operations and maintenance of a Foundation project
2 to demonstrate prior experience and current capabilities
3 in employing best practices in broadening participation in
4 science and engineering and ensure implementation of
5 such practices is considered in oversight of the award.

6 (e) PARTNERSHIPS WITH EMERGING RESEARCH IN-
7 STITUTIONS.—The Director shall establish a five-year
8 pilot program to enhance partnerships between emerging
9 research institutions and institutions classified as very
10 high research activity by the Carnegie Classification of In-
11 stitutions of Higher Education at the time of application.
12 In carrying out this program, the Director shall—

13 (1) require that each proposal submitted by a
14 multi-institution collaboration for an award, includ-
15 ing those under section 10309, that exceeds
16 \$1,000,000, as appropriate, specify how the appli-
17 cants will support substantive, meaningful, and mu-
18 tually-beneficial partnerships with one or more
19 emerging research institutions;

20 (2) require awardees funded under paragraph
21 (1) to direct no less than 25 percent of the total
22 award to one or more emerging research institutions
23 to build research capacity, including through support
24 for faculty salaries and training, field and laboratory
25 research experiences for undergraduate and grad-

1 uate students, and maintenance and repair of re-
2 search equipment and instrumentation;

3 (3) require awardees funded under paragraph
4 (1) to report on the partnership activities as part of
5 the annual reporting requirements of the Founda-
6 tion;

7 (4) solicit feedback on the partnership directly
8 from partner emerging research institutions, in such
9 form as the Director deems appropriate; and

10 (5) submit a report to Congress after the third
11 year of the pilot program that includes—

12 (A) an assessment, drawing on feedback
13 from the research community and other sources
14 of information, of the effectiveness of the pilot
15 program for improving the quality of partner-
16 ships with emerging research institutions; and

17 (B) if deemed effective, a plan for perma-
18 nent implementation of the pilot program.

19 (f) TRIBAL COLLEGES AND UNIVERSITIES PROGRAM
20 UPDATE.—

21 (1) IN GENERAL.—Section 525 of the America
22 COMPETES Reauthorization Act of 2010 (42
23 U.S.C. 1862p–13) is amended—

24 (A) in subsection (a) by—

1 (i) striking “Native American” and
2 inserting “American Indian, Alaska Na-
3 tive, and Native Hawaiian”;

4 (ii) inserting “post-secondary creden-
5 tials and” before “associate’s”; and

6 (iii) striking “or baccalaureate de-
7 grees” and inserting “, baccalaureate, and
8 graduate degrees”; and

9 (B) in subsection (b) by striking “under-
10 graduate”; and

11 (C) in subsection (c) by inserting “and
12 STEM” after “laboratory”.

13 (2) AUTHORIZATION OF APPROPRIATIONS.—

14 There is authorized to be appropriated to the Direc-
15 tor to carry out this program \$107,250,000 for fis-
16 cal year 2022 through fiscal year 2026.

17 (g) DIVERSITY IN TECH RESEARCH.—The Director
18 shall award grants, on a competitive basis, to institutions
19 of higher education or non-profit organizations (or con-
20 sortia of such institutions or organizations) to support
21 basic and applied research that yields a scientific evidence
22 base for improving the design and emergence, development
23 and deployment, and management and ultimate effective-
24 ness of organizations of all kinds, including research re-

1 lated to diversity, equity, and inclusion in the technology
2 sector.

3 (h) CONTINUING SUPPORT FOR EPSCoR.—

4 (1) SENSE OF CONGRESS.—

5 (A) IN GENERAL.—It is the sense of Con-
6 gress that—

7 (i) since maintaining the Nation’s sci-
8 entific and economic leadership requires
9 the participation of talented individuals na-
10 tionwide, EPSCoR investments into State
11 research and education capacities are in
12 the Federal interest and should be sus-
13 tained; and

14 (ii) EPSCoR should maintain its ex-
15 perimental component by supporting inno-
16 vative methods for improving research ca-
17 pacity and competitiveness.

18 (B) DEFINITION OF EPSCoR.—In this sub-
19 section, the term “EPSCoR” has the meaning
20 given the term in section 502 of the America
21 COMPETES Reauthorization Act of 2010 (42
22 U.S.C. 1862p note).

23 (2) UPDATE OF EPSCoR.—Section 517(f)(2) of
24 the America COMPETES Reauthorization Act of
25 2010 (42 U.S.C. 1862p–9(f)(2)) is amended—

1 (A) in subparagraph (A), by striking
2 “and” at the end; and

3 (B) by adding at the end the following:

4 “(C) to increase the capacity of rural com-
5 munities to provide quality STEM education
6 and STEM workforce development program-
7 ming to students, and teachers; and”.

8 (i) FOSTERING STEM RESEARCH DIVERSITY AND
9 CAPACITY PROGRAM.—

10 (1) IN GENERAL.—The Director shall establish
11 a program to make awards on a competitive, merit-
12 reviewed basis to eligible institutions to implement
13 and study innovative approaches for building re-
14 search capacity in order to engage and retain stu-
15 dents from a range of institutions and diverse back-
16 grounds in STEM.

17 (2) ELIGIBLE INSTITUTION DEFINED.—In this
18 subsection the term “eligible institution” means an
19 institution of higher education that, according to the
20 data published by the National Center for Science
21 and Engineering Statistics, is not, on average,
22 among the top 100 institutions in Federal research
23 and development expenditures during the 3 year pe-
24 riod prior to the year of the award.

1 (3) PURPOSE.—The program established in
2 paragraph (1) shall be focused on achieving simulta-
3 neous impacts at the student, faculty, and institu-
4 tional levels by increasing the research capacity at
5 eligible institutions and the number of under-
6 graduate and graduate students pursuing STEM de-
7 grees from eligible institutions.

8 (4) REQUIREMENTS.—In carrying out this pro-
9 gram, the Director shall—

10 (A) require eligible institutions seeking
11 funding under this subsection to submit an ap-
12 plication to the Director at such time, in such
13 manner, containing such information and assur-
14 ances as the Director may require. The applica-
15 tion shall include, at a minimum a description
16 of how the eligible institution plans to sustain
17 the proposed activities beyond the duration of
18 the grant;

19 (B) require applicants to identify dis-
20 ciplines and focus areas in which the eligible in-
21 stitution can excel, and explain how the appli-
22 cant will use the award to build capacity to bol-
23 ster the institutional research competitiveness
24 of eligible entities to support grants awarded by

1 the Foundation and increase regional and na-
2 tional capacity in STEM;

3 (C) require the awards funded under this
4 subsection to support research and related ac-
5 tivities, which may include—

6 (i) development or expansion of re-
7 search programs in disciplines and focus
8 areas in subparagraph (B);

9 (ii) faculty recruitment and profes-
10 sional development in disciplines and focus
11 areas in subparagraph (B), including for
12 early-career researchers;

13 (iii) stipends for undergraduate and
14 graduate students participating in research
15 in disciplines and focus areas in subpara-
16 graph (B);

17 (iv) acquisition of instrumentation
18 necessary to build research capacity at an
19 eligible institution in disciplines and focus
20 areas in subparagraph (B);

21 (v) an assessment of capacity-building
22 and research infrastructure needs;

23 (vi) administrative research develop-
24 ment support; and

1 (vii) other activities necessary to build
2 research capacity; and

3 (D) require that no eligible institution
4 should receive more than \$10,000,000 in any
5 single year of funds made available under this
6 section.

7 (5) ADDITIONAL CONSIDERATIONS.—In award-
8 ing a grant under this subsection, the Director may
9 also consider—

10 (A) the extent to which the applicant will
11 support students from diverse backgrounds, in-
12 cluding first-generation undergraduate stu-
13 dents;

14 (B) the geographic and institutional diver-
15 sity of the applying institutions; and

16 (C) how the applicants can leverage public-
17 private partnerships and existing partnerships
18 with Federal Research Agencies.

19 (6) DUPLICATION.—The Director shall ensure
20 the awards made under this subsection are com-
21plementary and not duplicative of existing programs.

22 (7) REPORT.—The Director shall submit a re-
23port to Congress after the third year of the program
24that includes—

1 (A) an assessment of the effectiveness of
2 the program for growing the geographic and in-
3 stitutional diversity of institutions of higher
4 education receiving research awards from the
5 Foundation;

6 (B) an assessment of the quality, quantity
7 and geographic and institutional diversity of in-
8 stitutions of higher education conducting Foun-
9 dation-sponsored research since the establish-
10 ment of the program in this subsection;

11 (C) an assessment of the quantity and di-
12 versity of undergraduate and graduate students
13 graduating from eligible institutions with
14 STEM degrees; and

15 (D) statistical summary data on the pro-
16 gram, including the geographic and institutional
17 allocation of award funding, the number and di-
18 versity of supported graduate and under-
19 graduate students, and how it contributes to ca-
20 pacity building at eligible entities.

21 (8) AUTHORIZATION OF APPROPRIATIONS.—

22 There is authorized to be appropriated to the Direc-
23 tor \$150,000,000 for each of the fiscal years 2022
24 through 2026 to carry out the activities under this
25 subsection.

1 (j) CAPACITY-BUILDING PROGRAM FOR DEVELOPING
2 UNIVERSITIES.—

3 (1) IN GENERAL.—The Director shall make
4 awards, on a competitive basis, to eligible institu-
5 tions described in paragraph (2) to support the mis-
6 sion of the Foundation and to build institutional re-
7 search capacity at eligible institutions.

8 (2) ELIGIBLE INSTITUTION.—

9 (A) IN GENERAL.—To be eligible to receive
10 an award under this subsection, an institu-
11 tion—

12 (i) shall be—

13 (I) a historically Black college or
14 university;

15 (II) a Tribal College or Univer-
16 sity;

17 (III) a minority-serving institu-
18 tion; or

19 (IV) an institution of higher edu-
20 cation with an established STEM ca-
21 pacity building program focused on
22 traditionally underrepresented popu-
23 lations in STEM, including Native
24 Hawaiians, Alaska Natives, and Indi-
25 ans; and

1 (ii) shall have not more than
2 \$50,000,000 in annual federally-financed
3 research and development expenditures for
4 science and engineering as reported
5 through the National Science Foundation
6 Higher Education Research and Develop-
7 ment Survey.

8 (B) PARTNERSHIPS.—An eligible institu-
9 tion receiving a grant under this subsection
10 may carry out the activities of the grant
11 through a partnership with other entities, in-
12 cluding community colleges and other eligible
13 institutions.

14 (3) PROPOSALS.—To receive an award under
15 this subsection, an eligible institution shall submit
16 an application to the Director at such time, in such
17 manner, and containing such information as the Di-
18 rector may require, including a plan that describes
19 how the eligible institution will establish or expand
20 research office capacity and how such award would
21 be used to—

22 (A) conduct an assessment of capacity-
23 building and research infrastructure needs of
24 an eligible institution;

1 (B) enhance institutional resources to pro-
2 vide administrative research development sup-
3 port to faculty at an eligible institution;

4 (C) bolster the institutional research com-
5 petitiveness of an eligible institution to support
6 grants awarded by the Foundation;

7 (D) support the acquisition of instrumen-
8 tation necessary to build research capacity at
9 an eligible institution in research areas directly
10 associated with the Foundation;

11 (E) increase capability of an eligible insti-
12 tution to move technology into the marketplace;

13 (F) increase engagement with industry to
14 execute research through the SBIR and STTR
15 programs (as defined in section 9(e) of the
16 Small Business Act (15 U.S.C. 638(e)) and di-
17 rect contracts at an eligible institution;

18 (G) provide student engagement and re-
19 search training opportunities at the under-
20 graduate, graduate, and postdoctoral levels at
21 an eligible institution;

22 (H) further faculty development initiatives
23 and strengthen institutional research training
24 infrastructure, capacity, and competitiveness of
25 an eligible institution; or

1 (I) address plans and prospects for long-
2 term sustainability of institutional enhance-
3 ments at an eligible institution resulting from
4 the award including, if applicable, how the
5 award may be leveraged by an eligible institu-
6 tion to build a broader base of support.

7 (4) AWARDS.—Awards made under this sub-
8 section shall be for periods of 3 years, and may be
9 extended for periods of not more than 5 years.

10 (5) AUTHORIZATION OF APPROPRIATIONS.—
11 There are authorized to be appropriated to the Di-
12 rector \$100,000,000 for each of fiscal years 2022
13 through 2026 to carry out the activities in this title.

14 (k) CHIEF DIVERSITY OFFICER OF THE NSF.—

15 (1) CHIEF DIVERSITY OFFICER.—

16 (A) APPOINTMENT.—The Director shall
17 appoint a senior agency official within the Of-
18 fice of the Director as a Chief Diversity Officer.

19 (B) QUALIFICATIONS.—The Chief Diver-
20 sity Officer shall have significant experience,
21 within the Federal Government and the science
22 community, with diversity- and inclusion-related
23 matters, including—

24 (i) civil rights compliance;

1 (ii) harassment policy, reviews, and
2 investigations;

3 (iii) equal employment opportunity;
4 and

5 (iv) disability policy.

6 (C) OVERSIGHT.—The Chief Diversity Of-
7 ficer shall direct the Office of Diversity and In-
8 clusion of the Foundation and report directly to
9 the Director in the performance of the duties of
10 the Chief Diversity Officer under this sub-
11 section.

12 (2) DUTIES.—The Chief Diversity Officer is re-
13 sponsible for providing advice on policy, oversight,
14 guidance, and coordination with respect to matters
15 of the Foundation related to diversity and inclusion,
16 including ensuring the geographic diversity of the
17 Foundation programs. Other duties may include—

18 (A) establishing and maintaining a stra-
19 tegic plan that publicly states a diversity defini-
20 tion, vision, and goals for the Foundation;

21 (B) defining a set of strategic metrics that
22 are—

23 (i) directly linked to key organiza-
24 tional priorities and goals;

25 (ii) actionable; and

1 (iii) actively used to implement the
2 strategic plan under paragraph (1);

3 (C) advising in the establishment of a stra-
4 tegic plan for diverse participation by individ-
5 uals and institutions of higher education, in-
6 cluding community colleges, historically Black
7 colleges and universities, Tribal colleges or uni-
8 versities, minority-serving institutions, institu-
9 tions of higher education with an established
10 STEM capacity building program focused on
11 traditionally underrepresented populations in
12 STEM, including Native Hawaiians, Alaska
13 Natives, and Indians, and institutions from ju-
14 risdictions eligible to participate under section
15 113 of the National Science Foundation Au-
16 thorization Act of 1988 (42 U.S.C. 1862g);

17 (D) advising in the establishment of a
18 strategic plan for outreach to, and recruiting
19 from, untapped locations and underrepresented
20 populations;

21 (E) advising on a diversity and inclusion
22 strategy for the Foundation's portfolio of PreK-
23 12 STEM education focused programs and ac-
24 tivities, including goals for addressing barriers
25 to participation;

1 (F) advising on the application of the
2 Foundation's broader impacts review criterion;
3 and

4 (G) performing such additional duties and
5 exercise such powers as the Director may pre-
6 scribe.

7 (3) FUNDING.—From any amounts appro-
8 priated for the Foundation for each of fiscal years
9 2022 through 2026, the Director shall allocate
10 \$5,000,000 to carry out this subsection for each
11 such year.

12 **SEC. 10306. FUNDAMENTAL RESEARCH.**

13 (a) DEFINITIONS.—In this section:

14 (1) COVERED INDIVIDUAL.—The term “covered
15 individual” means the principal investigator, co-prin-
16 cipal investigators, and any other person at the in-
17 stitution who is responsible for the design, conduct,
18 or reporting of research or educational activities
19 funded or proposed for funding by the Foundation.

20 (2) FOREIGN COUNTRY OF CONCERN.—The
21 term “foreign country of concern” means the Peo-
22 ple's Republic of China, the Democratic People's Re-
23 public of Korea, the Russian Federation, the Islamic
24 Republic of Iran, or any other country deemed to be

1 a country of concern as determined by the Depart-
2 ment of State.

3 (3) MALIGN FOREIGN GOVERNMENT TALENT
4 RECRUITMENT PROGRAM.—The term “malign for-
5 eign government talent recruitment program” means
6 any program or activity that includes compensation,
7 including cash, research funding, honorific titles,
8 promised future compensation, or other types of re-
9 munerations, provided by the foreign state or an enti-
10 ty sponsored by the foreign state to the targeted in-
11 dividual in exchange for the individual transferring
12 knowledge and expertise to the foreign country.

13 (b) BROADER IMPACTS.—

14 (1) ASSESSMENT.—Not later than 45 days
15 after the date of enactment of this Act, the Director
16 shall enter into an agreement with a qualified inde-
17 pendent organization to assess how the Broader Im-
18 pacts review criterion is applied across the Founda-
19 tion and make recommendations for improving the
20 effectiveness for meeting the goals established in sec-
21 tion 526 of the America Creating Opportunities to
22 Meaningfully Promote Excellence in Technology,
23 Education, and Science Reauthorization Act of 2010
24 (42 U.S.C. 1862p–14).

1 (2) ACTIVITIES.—The Director shall award
2 grants on a competitive basis, to institutions of high-
3 er education or non-profit organizations (or con-
4 sortia of such institutions or organizations) to sup-
5 port activities to increase the efficiency, effective-
6 ness, and availability of resources for implementing
7 the Broader Impacts review criterion, including—

8 (A) training and workshops for program
9 officers, merit review panelists, grant office ad-
10 ministrators, faculty, and students to improve
11 understanding of the goals and the full range of
12 potential broader impacts available to research-
13 ers to satisfy this criterion;

14 (B) repositories and clearinghouses for
15 sharing best practices and facilitating collabora-
16 tion; and

17 (C) tools for evaluating and documenting
18 societal impacts of research.

19 (c) SENSE OF CONGRESS.—It is the sense of Con-
20 gress that the Director should continue to identify oppor-
21 tunities to reduce the administrative burden on research-
22 ers.

23 (d) RESEARCH INTEGRITY AND SECURITY.—

24 (1) OFFICE OF RESEARCH SECURITY AND POL-
25 ICY.—The Director shall maintain a Research Secu-

1 rity and Policy office within the Office of the Direc-
2 tor with no fewer than 4 full-time equivalent posi-
3 tions, in addition to the Chief of Research Security
4 established in paragraph (2) of this subsection. The
5 functions of the Research Security and Policy office
6 shall be to coordinate all research security policy
7 issues across the Foundation, including by—

8 (A) consulting and coordinating with the
9 Foundation Office of Inspector General and
10 with other Federal research agencies and intel-
11 ligence and law enforcement agencies, as appro-
12 priate, through the National Science and Tech-
13 nology Council in accordance with the authority
14 provided under section 1746 of the National
15 Defense Authorization Act for Fiscal Year 2020
16 (Public Law 116–92; 42 U.S.C. 6601 note), to
17 identify and address potential security risks
18 that threaten research integrity and other risks
19 to the research enterprise;

20 (B) serving as the Foundation’s primary
21 resource for all issues related to the security
22 and integrity of the conduct of Foundation-sup-
23 ported research;

1 (C) conducting outreach and education ac-
2 tivities for awardees on research policies and
3 potential security risks;

4 (D) educating Foundation program man-
5 agers and other directorate staff on evaluating
6 Foundation awards and awardees for potential
7 security risks; and

8 (E) communicating reporting and disclo-
9 sure requirements to awardees and applicants
10 for funding.

11 (2) CHIEF OF RESEARCH SECURITY.—The Di-
12 rector shall appoint a senior agency official within
13 the Office of the Director as a Chief of Research Se-
14 curity, whose primary responsibility is to manage the
15 office established under paragraph (1).

16 (3) REPORT TO CONGRESS.—No later than 180
17 days after the date of enactment of this Act, the Di-
18 rector shall provide a report to the Committee on
19 Science, Space, and Technology of the House of
20 Representatives, the Committee on Commerce,
21 Science, and Transportation of the Senate, the Com-
22 mittee on Appropriations of the House of Represent-
23 atives, and the Committee on Appropriations of the
24 Senate on the resources and the number of full time

1 employees needed to carry out the functions of the
2 Office established in paragraph (1).

3 (4) ONLINE RESOURCE.—The Director shall de-
4 velop an online resource hosted on the Foundation’s
5 website containing up-to-date information, tailored
6 for institutions and individual researchers, includ-
7 ing—

8 (A) an explanation of Foundation research
9 security policies;

10 (B) unclassified guidance on potential se-
11 curity risks that threaten scientific integrity
12 and other risks to the research enterprise;

13 (C) examples of beneficial international
14 collaborations and how such collaborations dif-
15 fer from foreign government interference efforts
16 that threaten research integrity;

17 (D) promising practices for mitigating se-
18 curity risks that threaten research integrity;
19 and

20 (E) additional reference materials, includ-
21 ing tools that assist organizations seeking
22 Foundation funding and awardees in informa-
23 tion disclosure to the Foundation.

24 (5) RISK ASSESSMENT CENTER.—The Director
25 shall enter into an agreement with a qualified inde-

1 pendent organization to create a new risk assess-
2 ment center to—

3 (A) help the Foundation develop the online
4 resources under paragraph (4); and

5 (B) help awardees in assessing and identi-
6 fying issues related to nondisclosure of current
7 and pending research funding, risks to the
8 Foundation merit review process, and other
9 issues that may negatively affect the Founda-
10 tion proposal and award process due to undue
11 foreign interference.

12 (6) RESEARCH GRANTS.—The Director shall
13 continue to award grants, on a competitive basis, to
14 institutions of higher education or non-profit organi-
15 zations (or consortia of such institutions or organi-
16 zations) to support research on the conduct of re-
17 search and the research environment, including re-
18 search on research misconduct or breaches of re-
19 search integrity and detrimental research practices.

20 (7) AUTHORITIES.—

21 (A) IN GENERAL.—In addition to existing
22 authorities for preventing waste, fraud, abuse,
23 and mismanagement of federal funds, the Di-
24 rector, acting through the Office of Research
25 Security and Policy and in coordination with

1 the Foundation's Office of Inspector General,
2 shall have the authority to—

3 (i) conduct risk assessments, including
4 through the use of open-source analysis
5 and analytical tools, of research and devel-
6 opment award applications and disclosures
7 to the Foundation, in coordination with the
8 Risk Assessment Center established in
9 paragraph (5);

10 (ii) request the submission to the
11 Foundation, by an institution of higher
12 education or other organization applying
13 for a research and development award, of
14 supporting documentation, including copies
15 of contracts, grants, or any other agree-
16 ment specific to foreign appointments, em-
17 ployment with a foreign institution, partici-
18 pation in a foreign talent program and
19 other information reported as current and
20 pending support for all covered individuals
21 in a research and development award ap-
22 plication; and

23 (iii) upon receipt and review of the in-
24 formation provided under clause (ii) and in
25 consultation with the institution of higher

1 education or other organization submitting
2 such information, initiate the substitution
3 or removal of a covered individual from a
4 research and development award, reduce
5 the award funding amount, or suspend or
6 terminate the award if the Director deter-
7 mines such contracts, grants, or agree-
8 ments include obligations that—

9 (I) interfere with the capacity for
10 Foundation-supported activities to be
11 carried out; or

12 (II) create duplication with
13 Foundation-supported activities.

14 (B) LIMITATIONS.—In exercising the au-
15 thorities under this paragraph, the Director
16 shall—

17 (i) take necessary steps, as prac-
18 ticable, to protect the privacy of all covered
19 individuals and other parties involved in
20 the application and disclosure assessments
21 under clause (A)(i);

22 (ii) endeavor to provide justification
23 for requests for supporting documentation
24 made under clause (A)(ii);

1 (iii) require that allegations be proven
2 by a preponderance of evidence; and

3 (iv) as practicable, afford subjects an
4 opportunity to provide comments and re-
5 buttal and an opportunity to appeal before
6 final administrative action is taken.

7 (8) MALIGN FOREIGN TALENT RECRUITMENT
8 PROGRAM PROHIBITION.—

9 (A) IN GENERAL.—Not later than 12
10 months after the date of enactment of this Act,
11 the Director shall establish a requirement that,
12 as part of an application for a research and de-
13 velopment award from the agency—

14 (i) each covered individual listed on
15 the application for a research and develop-
16 ment award certify that they are not an
17 active participant of a malign foreign tal-
18 ent recruitment program from a foreign
19 country of concern and will not be a par-
20 ticipant in such a program for the duration
21 of the award; and

22 (ii) each institution of higher edu-
23 cation or other organization applying for
24 such an award certify that each covered in-
25 dividual who is employed by the institution

1 of higher education or other organization
2 has been made aware of the requirement
3 under this subsection.

4 (B) INTERNATIONAL COLLABORATION.—
5 Each policy developed under subparagraph (A)
6 shall not prohibit—

7 (i) making scholarly presentations re-
8 garding scientific information not other-
9 wise controlled under current law;

10 (ii) participation in international con-
11 ferences or other international exchanges,
12 partnerships or programs that involve open
13 and reciprocal exchange of scientific infor-
14 mation, and which are aimed at advancing
15 international scientific understanding; and

16 (iii) other international activities
17 deemed appropriate by the Director.

18 (C) LIMITATION.—The policy developed
19 under subparagraph (A) shall not apply retro-
20 actively to research and development awards
21 made prior to the establishment of the policy by
22 the Director.

23 (9) SECURITY TRAINING MODULES.—

24 (A) IN GENERAL.—Not later than 90 days
25 after the date of enactment of this Act, the Di-

1 rector, in collaboration with the Director of the
2 National Institutes of Health and other relevant
3 Federal research agencies, shall enter into an
4 agreement or contract with a qualified entity
5 for the development of online research security
6 training modules for the research community,
7 including modules focused on international col-
8 laboration and international travel, foreign in-
9 terference, and rules for proper use of funds,
10 disclosure, conflict of commitment, and conflict
11 of interest.

12 (B) STAKEHOLDER INPUT.—Prior to en-
13 tering into the agreement under clause (A), the
14 Director shall seek input from academic, private
15 sector, intelligence, and law enforcement stake-
16 holders regarding the scope and content of
17 training modules, including the diversity of
18 needs across institutions of higher education
19 and other grantees of different sizes and types,
20 and recommendations for minimizing adminis-
21 trative burden on institutions of higher edu-
22 cation and researchers.

23 (C) DEVELOPMENT.—The Director shall
24 ensure that the entity identified in (A)—

1 (i) develops modules that can be
2 adapted and utilized across Federal re-
3 search agencies; and

4 (ii) develops and implements a plan
5 for regularly updating the modules as
6 needed.

7 (D) GUIDELINES.—The Director, in col-
8 laboration with the Director of the National In-
9 stitutes of Health, shall develop guidelines for
10 institutions of higher education and other orga-
11 nizations receiving Federal research and devel-
12 opment funds to use in developing their own
13 training programs to address the unique needs,
14 challenges, and risk profiles of such institu-
15 tions, including adoption of training modules
16 developed under this paragraph.

17 (E) IMPLEMENTATION.—Drawing on
18 stakeholder input under subparagraph (B), not
19 later than 12 months after the date of enact-
20 ment of this Act, the Director shall establish a
21 requirement that, as part of an application for
22 a research and development award from the
23 Foundation—

24 (i) each covered individual listed on
25 the application for a research and develop-

1 ment award certify that they have com-
2 pleted research security training that
3 meets the guidelines developed under
4 clause (D) within one year of the applica-
5 tion; and

6 (ii) each institution of higher edu-
7 cation or other organization applying for
8 such award certify that each covered indi-
9 vidual who is employed by the institution
10 or organization and listed on the applica-
11 tion has been made aware of the require-
12 ment under this subparagraph.

13 (10) RESPONSIBLE CONDUCT IN RESEARCH
14 TRAINING.—Section 7009 of the America Creating
15 Opportunities to Meaningfully Promote Excellence in
16 Technology, Education, and Science Act (42 U.S.C.
17 1862o–1) is amended by—

18 (A) striking “and postdoctoral research-
19 ers” and inserting “postdoctoral researchers,
20 faculty, and other senior personnel”; and

21 (B) by inserting before the period at the
22 end the following “, including mentor training”.

23 (11) NATIONAL ACADEMIES GUIDE TO RESPON-
24 SIBLE CONDUCT IN RESEARCH.—

1 (A) IN GENERAL.—Not later than 180
2 days after the date of enactment of this Act,
3 the Director shall enter into an agreement with
4 the Academies to update the report entitled
5 “On Being a Scientist: A Guide to Responsible
6 Conduct in Research” issued by the Academies.
7 The report, as so updated, shall include—

8 (i) updated professional standards of
9 conduct in research;

10 (ii) promising practices for preventing,
11 addressing, and mitigating the negative
12 impact of harassment, including sexual
13 harassment and gender harassment as de-
14 fined in the 2018 Academies report enti-
15 tled “Sexual Harassment of Women: Cli-
16 mate, Culture, and Consequences in Aca-
17 demic Sciences, Engineering, and Medi-
18 cine”; and

19 (iii) promising practices for mitigating
20 potential security risks that threaten re-
21 search integrity.

22 (B) REPORT.—Not later than 18 months
23 after the effective date of the agreement under
24 subparagraph (A), the Academies, as part of
25 such agreement, shall submit to the Director

1 and the Committee on Science, Space, and
2 Technology of the House of Representatives
3 and the Committee on Commerce, Science, and
4 Transportation of the Senate the report re-
5 ferred to in such subparagraph, as updated pur-
6 suant to such subparagraph.

7 (e) RESEARCH ETHICS.—

8 (1) SENSE OF CONGRESS.—It is the sense of
9 Congress that—

10 (A) a number of emerging areas of re-
11 search have potential ethical, social, safety, and
12 security implications that might be apparent as
13 early as the basic research stage;

14 (B) the incorporation of ethical, social,
15 safety, and security considerations into the re-
16 search design and review process for Federal
17 awards, may help mitigate potential harms be-
18 fore they happen;

19 (C) the Foundation's agreement with the
20 Academies to conduct a study and make rec-
21 ommendations with respect to governance of re-
22 search in emerging technologies is a positive
23 step toward accomplishing this goal; and

24 (D) the Foundation should continue to
25 work with stakeholders to understand and

1 adopt policies that promote best practices for
2 governance of research in emerging technologies
3 at every stage of research.

4 (2) ETHICS STATEMENTS.—Drawing on stake-
5 holder input, not later than 18 months after the
6 date of enactment of this Act, the Director shall
7 amend award proposal instructions to include a re-
8 quirement for an ethics statement to be included as
9 part of any proposal for funding prior to making the
10 award. Such statement shall be considered by the
11 Director in the review of proposals, taking into con-
12 sideration any relevant input from the peer-reviewers
13 for the proposal, and shall factor into award deci-
14 sions as deemed necessary by the Director. Such
15 statements may include, as appropriate—

16 (A) any foreseeable or quantifiable risks to
17 society, including how the research could enable
18 products, technologies, or other outcomes that
19 could intentionally or unintentionally cause sig-
20 nificant societal harm;

21 (B) how technical or social solutions can
22 mitigate such risks and, as appropriate, a plan
23 to implement such mitigation measures; and

1 (C) how partnerships and collaborations in
2 the research can help mitigate potential harm
3 and amplify potential societal benefits.

4 (3) GUIDANCE.—The Director shall solicit
5 stakeholder input to develop clear guidance on what
6 constitutes a foreseeable or quantifiable risk as de-
7 scribed in paragraph (2)(A), and to the extent prac-
8 ticable harmonize this policy with existing ethical
9 policies or related requirements for human subjects.

10 (4) RESEARCH.—The Director shall award
11 grants, on a competitive basis, to institutions of
12 higher education or non-profit organizations (or con-
13 sortia of such institutions or organizations) to sup-
14 port—

15 (A) research to assess the potential ethical
16 and societal implications of Foundation-sup-
17 ported research and products or technologies
18 enabled by such research, including the benefits
19 and risks identified pursuant to paragraph
20 (2)(A); and

21 (B) the development and verification of ap-
22 proaches to proactively mitigate foreseeable
23 risks to society, including the technical and so-
24 cial solutions identified pursuant to paragraph
25 (2)(B).

1 (5) ANNUAL REPORT.—The Director shall en-
2 courage awardees to update their ethics statements
3 as appropriate as part of the annual reports re-
4 quired by all awardees under the award terms and
5 conditions.

6 (f) RESEARCH REPRODUCIBILITY AND
7 REPLICABILITY.—Consistent with existing Federal law for
8 privacy, intellectual property, and security, the Director
9 shall facilitate the public access to research products, in-
10 cluding data, software, and code, developed as part of
11 Foundation-supported projects.

12 (1) DATA MANAGEMENT PLANS.—

13 (A) The Director shall require that every
14 proposal for funding for research include a ma-
15 chine-readable data management plan that in-
16 cludes a description of how the awardee will ar-
17 chive and preserve public access to data, soft-
18 ware, and code developed as part of the pro-
19 posed project.

20 (B) In carrying out the requirement in
21 subparagraph (A), the Director shall—

22 (i) provide necessary resources, in-
23 cluding trainings and workshops, to edu-
24 cate researchers and students on how to

1 develop and review high quality data man-
2 agement plans;

3 (ii) ensure program officers and merit
4 review panels are equipped with the re-
5 sources and training necessary to review
6 the quality of data management plans; and

7 (iii) ensure program officers and
8 merit review panels treat data management
9 plans as essential elements of grant pro-
10 posals, where appropriate.

11 (2) OPEN REPOSITORIES.—The Director
12 shall—

13 (A) coordinate with the heads of other
14 Federal research agencies, and solicit input
15 from the scientific community, to develop and
16 widely disseminate a set of criteria for trusted
17 open repositories, accounting for discipline-spe-
18 cific needs and necessary protections for sen-
19 sitive information, to be used by federally fund-
20 ed researchers for the sharing of data, software,
21 and code;

22 (B) work with stakeholders to identify sig-
23 nificant gaps in available repositories meeting
24 the criteria developed under subparagraph (A)

1 and options for supporting the development of
2 additional or enhanced repositories;

3 (C) award grants on a competitive basis to
4 institutions of higher education or non-profit
5 organizations (or consortia of such institutions
6 or organizations) for the development, up-
7 grades, and maintenance of open data reposi-
8 tories that meet the criteria developed under
9 subparagraph (A);

10 (D) work with stakeholders and build on
11 existing models, where appropriate, to establish
12 a single, public, web-based point of access to
13 help users locate repositories storing data, soft-
14 ware, and code resulting from or used in Foun-
15 dation-supported projects;

16 (E) work with stakeholders to establish the
17 necessary policies and procedures and allocate
18 the necessary resources to ensure, as prac-
19 ticable, data underlying published findings re-
20 sulting from Foundation-supported projects are
21 deposited in repositories meeting the criteria
22 developed under subparagraph (A) at the time
23 of publication;

1 (F) incentivize the deposition of data, soft-
2 ware, and code into repositories that meet the
3 criteria developed under subparagraph (A); and

4 (G) coordinate with the scientific pub-
5 lishing community to develop uniform consensus
6 standards around data archiving and sharing.

7 (3) RESEARCH, DEVELOPMENT, AND EDU-
8 CATION.—The Director shall award grants, on a
9 competitive basis to institutions of higher education
10 or non-profit organizations (or consortia of such in-
11 stitutions or organizations) to—

12 (A) support research and development of
13 open source, sustainable, usable tools and infra-
14 structure that support reproducibility for a
15 broad range of studies across different dis-
16 ciplines;

17 (B) support research on computational re-
18 producibility, including the limits of reproduc-
19 ibility and the consistency of computational re-
20 sults in the development of new computation
21 hardware, tools, and methods; and

22 (C) support the education and training of
23 students, faculty, and researchers on computa-
24 tional methods, tools, and techniques to improve
25 the quality and sharing of data, code, and sup-

1 porting metadata to produce reproducible re-
2 search.

3 (g) CLIMATE CHANGE RESEARCH.—

4 (1) IN GENERAL.—The Director shall award
5 grants, on a competitive basis, to institutions of
6 higher education or non-profit organizations (or con-
7 sortia of such institutions or organizations) to sup-
8 port research to improve our understanding of the
9 climate system and related human and environ-
10 mental systems.

11 (2) USE OF FUNDS.—Activities funded by a
12 grant under this subsection may include—

13 (A) fundamental research on climate
14 forcings, feedbacks, responses, and thresholds
15 in the earth system, including impacts on and
16 contributions from local and regional systems;

17 (B) research on climate-related human be-
18 haviors and institutions;

19 (C) research on climate-related risk, vul-
20 nerability, resilience, and adaptive capacity of
21 coupled human-environment systems, including
22 risks to ecosystem stability and risks to vulner-
23 able populations;

24 (D) research to support the development
25 and implementation of effective strategies and

1 tools for mitigating and adapting to climate
2 change, including social strategies and research
3 focused on local level forecasting, impacts, and
4 challenges;

5 (E) research on the design, development,
6 and assessment of effective information and de-
7 cision-support systems, including understanding
8 and developing effective dissemination path-
9 ways;

10 (F) improved modeling, projections, anal-
11 yses, and assessments of climate and other
12 Earth system changes;

13 (G) research to understand the atmos-
14 pheric processes related to solar radiation man-
15 agement strategies and technologies and exam-
16 ine related economic, geopolitical, societal, envi-
17 ronmental, and ethical implications, not includ-
18 ing research designed to advance future deploy-
19 ment of these strategies and technologies;

20 (H) the development of effective strategies
21 for educating and training future climate
22 change researchers, and climate change re-
23 sponse and mitigation professionals, in both re-
24 search and development methods, as well as

1 community engagement and science commu-
2 nication;

3 (I) the development of effective strategies
4 for public and community engagement in the all
5 stages of the research and development process;
6 and

7 (J) partnerships with other agencies to ad-
8 dress climate related challenges for specific
9 agency missions.

10 (h) VIOLENCE RESEARCH.—

11 (1) IN GENERAL.—The Director shall award
12 grants, on a competitive basis, to institutions of
13 higher education or non-profit organizations (or con-
14 sortia of such institutions or organizations) to sup-
15 port research to improve our understanding of the
16 nature, scope, causes, consequences, prevention, and
17 response to all forms of violence.

18 (2) USE OF FUNDS.—Activities funded by a
19 grant under this subsection may include—

20 (A) research on the magnitude and dis-
21 tribution of fatal and nonfatal violence;

22 (B) research on risk and protective factors;

23 (C) research on the design, development,
24 implementation, and evaluation of interventions
25 for preventing and responding to violence;

1 (D) research on scaling up effective inter-
2 ventions; and

3 (E) one or more interdisciplinary research
4 centers to conduct violence research, foster new
5 and expanded collaborations, and support ca-
6 pacity building activities to increase the number
7 and diversity of new researchers trained in
8 cross-disciplinary violence research.

9 (i) SOCIAL, BEHAVIORAL, AND ECONOMIC
10 SCIENCES.—The Director shall—

11 (1) actively communicate opportunities and so-
12 licit proposals for social, behavioral, and economic
13 science researchers to participate in cross-cutting
14 and interdisciplinary programs, including the Con-
15 vergence Accelerator and agency priority activities,
16 and the Mid-Scale Research Infrastructure program;
17 and

18 (2) ensure social, behavioral, and economic
19 science researchers are represented on relevant merit
20 review panels for such activities.

21 (j) MEASURING IMPACTS OF FEDERALLY FUNDED
22 R&D.—The Director shall award grants on a competitive,
23 merit-reviewed basis to institutions of higher education or
24 non-profit organizations (or consortia of such institutions
25 or organizations) to support research and development of

1 data, models, indicators, and associated analytical tools to
2 improve our understanding of the impacts of Federally
3 funded research on society, the economy, and the work-
4 force, including domestic job creation.

5 (k) FOOD-ENERGY-WATER RESEARCH.—The Direc-
6 tor shall award grants on a competitive basis to institu-
7 tions of higher education or non-profit organizations (or
8 consortia of such institutions or organizations) to—

9 (1) support research to significantly advance
10 our understanding of the food-energy-water system
11 through quantitative and computational modeling,
12 including support for relevant cyberinfrastructure;

13 (2) develop real-time, cyber-enabled interfaces
14 that improve understanding of the behavior of food-
15 energy-water systems and increase decision support
16 capability;

17 (3) support research that will lead to innovative
18 solutions to critical food-energy-water system prob-
19 lems; and

20 (4) grow the scientific workforce capable of
21 studying and managing the food-energy-water sys-
22 tem, through education and other professional devel-
23 opment.

24 (l) BIOLOGICAL FIELD STATIONS AND MARINE LAB-
25 ORATORIES.—The Director shall continue to support en-

1 hancing, repairing and maintaining research instrumenta-
2 tion, laboratories, telecommunications and housing at bio-
3 logical field stations and marine laboratories.

4 (m) SUSTAINABLE CHEMISTRY RESEARCH AND EDU-
5 CATION.—In accordance with section 263 of the National
6 Defense Authorization Act for Fiscal Year 2021, the Di-
7 rector shall carry out activities in support of sustainable
8 chemistry, including—

9 (1) establishing a program to award grants, on
10 a competitive basis, to institutions of higher edu-
11 cation or non-profit organizations (or consortia of
12 such institutions or organizations) to support—

13 (A) individual investigators and teams of
14 investigators, including to the extent prac-
15 ticable, early career investigators for research
16 and development;

17 (B) collaborative research and development
18 partnerships among universities, industry, and
19 non-profit organizations; and

20 (C) integrating sustainable chemistry prin-
21 ciples into elementary, secondary, under-
22 graduate, and graduate chemistry and chemical
23 engineering curriculum and research training,
24 as appropriate to that level of education and
25 training; and

1 (2) incorporating sustainable chemistry into ex-
2 isting Foundation research and development pro-
3 grams.

4 (n) RISK AND RESILIENCE RESEARCH.—The Direc-
5 tor shall award grants on a competitive basis to institu-
6 tions of higher education or non-profit organizations (or
7 consortia of such institutions or organizations) to advance
8 knowledge of risk assessment and predictability and to
9 support the creation of tools and technologies, including
10 advancing data analytics and utilization of artificial intel-
11 ligence, for increased resilience through—

12 (1) improvements in our ability to understand,
13 model, and predict extreme events and natural haz-
14 ards, including pandemics;

15 (2) the creation of novel engineered systems so-
16 lutions for resilient complex infrastructures, particu-
17 larly those that address critical interdependence
18 among infrastructures and leverage the growing in-
19 fusion of cyber-physical-social components into the
20 infrastructures;

21 (3) development of equipment and instrumenta-
22 tion for innovation in resilient engineered infrastruc-
23 tures;

24 (4) multidisciplinary research on the behaviors
25 individuals and communities engage in to detect,

1 perceive, understand, predict, assess, mitigate, and
2 prevent risks and to improve and increase resilience;
3 and

4 (5) advancements in multidisciplinary wildfire
5 science, including those related to air quality im-
6 pacts, human behavior, and early detection and
7 warning.

8 (o) UAV TECHNOLOGIES.—The Director shall carry
9 out a program of research and related activities for un-
10 manned aerial vehicle technologies, which may include a
11 prize competition pursuant to section 24 of the Stevenson-
12 Wydler Technology Innovation Act of 1980 (15 U.S.C.
13 3719) and support for undergraduate and graduate cur-
14 riculum development.

15 (p) LEVERAGING INTERNATIONAL EXPERTISE IN RE-
16 SEARCH.—The Director shall explore and advance oppor-
17 tunities for leveraging international capabilities and re-
18 sources that align with the Foundation and United States
19 research community priorities and have the potential to
20 benefit United States prosperity, security, health, and
21 well-being, including through binational research and de-
22 velopment organizations and foundations and by sending
23 teams of Foundation scientific staff for site visits of sci-
24 entific facilities and agencies in other countries.

25 (q) BIOLOGICAL RESEARCH COLLECTIONS.—

1 (1) IN GENERAL.—The Director shall continue
2 to support databases, tools, methods, and other ac-
3 tivities that secure and improve existing physical and
4 digital biological research collections, improve the ac-
5 cessibility of collections and collection-related data
6 for research and educational purposes, develop ca-
7 pacity for curation and collection management, and
8 to transfer ownership of collections that are signifi-
9 cant to the biological research community, including
10 to museums and universities.

11 (2) SPECIMEN MANAGEMENT PLAN.—In con-
12 sultation with other relevant Federal research agen-
13 cies, the Director shall require that every proposal
14 for funding for research that involves collecting or
15 generating specimens include a specimen manage-
16 ment plan that includes a description of how the
17 specimens and associated data will be accessioned
18 into and permanently maintained in an established
19 biological collection.

20 (3) ACTION CENTER FOR BIOLOGICAL COLLEC-
21 TIONS.—The Director shall award grants on a com-
22 petitive basis to institutions of higher education or
23 non-profit organizations (or consortia of such insti-
24 tutions or organizations) to establish an Action Cen-
25 ter for Biological Collections to facilitate coordina-

1 tion and data sharing among communities of prac-
2 tice for research, education, workforce training, eval-
3 uation, and business model development.

4 (r) CLEAN WATER RESEARCH AND TECHNOLOGY
5 ACCELERATION.—The Director shall award grants on a
6 competitive, merit-reviewed basis to institutions of higher
7 education or non-profit organizations (or consortia of such
8 institutions or organizations) to—

9 (1) support transdisciplinary research to signifi-
10 cantly advance our understanding of water avail-
11 ability, quality, and dynamics and the impact of
12 human activity and a changing climate on urban and
13 rural water and wastewater systems;

14 (2) develop, pilot and deploy innovative tech-
15 nologies, systems, and other approaches to identi-
16 fying and addressing challenges that affect water
17 availability, quality, and security, including through
18 direct engagement with affected communities and
19 partnerships with the private sector, State, tribal,
20 and local governments, non-profit organizations and
21 water management professionals; and

22 (3) grow the scientific workforce capable of
23 studying and managing water and wastewater sys-
24 tems, through education, training, and other profes-
25 sional development.

1 (s) TECHNOLOGY AND BEHAVIORAL SCIENCE RE-
2 SEARCH.—The Director shall award grants on a merit-
3 based, competitive basis for research to—

4 (1) increase understanding of social media and
5 consumer technology access and use patterns and re-
6 lated psychological and behavioral issues, particu-
7 larly for adolescents; and

8 (2) explore the role of social media and con-
9 sumer technology in rising rates of depressive symp-
10 toms, suicidal ideation, drug use, and deaths of de-
11 spair, particularly for communities experiencing
12 long-term economic distress.

13 (t) MANUFACTURING RESEARCH AMENDMENT.—
14 Section 506(a) of the America COMPETES Reauthoriza-
15 tion Act of 2010 (42 U.S.C. 1862p–1(a)) is amended—

16 (1) in paragraph (5), by striking “and” at the
17 end;

18 (2) in paragraph (6)—

19 (A) by striking “and” before “virtual man-
20 ufacturing”; and

21 (B) by striking the period at the end and
22 inserting “; and artificial intelligence and ma-
23 chine learning;”; and

24 (3) by adding at the end the following:

1 “(7) additive manufacturing, including new ma-
2 terial designs, complex materials, rapid printing
3 techniques, and real-time process controls; and

4 “(8) continuous manufacturing of biological
5 products and similar innovative monitoring and con-
6 trol techniques.”.

7 (u) CRITICAL MINERALS MINING RESEARCH AND
8 DEVELOPMENT.—

9 (1) IN GENERAL.—The Director shall award
10 grants, on a competitive basis, to institutions of
11 higher education or nonprofit organizations (or con-
12 sortium of such institutions or organizations) to sup-
13 port basic research that will accelerate innovation to
14 advance critical minerals mining strategies and tech-
15 nologies for the purpose of making better use of do-
16 mestic resources and eliminating national reliance on
17 minerals and mineral materials that are subject to
18 supply disruptions.

19 (2) USE OF FUNDS.—Activities funded by a
20 grant under this subsection may include—

21 (A) advancing mining research and devel-
22 opment activities to develop new mapping and
23 mining technologies and techniques, including
24 advanced critical mineral extraction, production,
25 separation, alloying, or processing techniques

1 and technologies that can decrease energy in-
2 tensity, potential environmental impact and
3 costs of those activities;

4 (B) conducting long-term Earth observa-
5 tion of reclaimed mine sites, including the study
6 of the evolution of microbial diversity at such
7 sites;

8 (C) examining the application of artificial
9 intelligence for geological exploration of critical
10 minerals, including what the size and diversity
11 of data sets would be required;

12 (D) examining the application of machine
13 learning for detection and sorting of critical
14 minerals, including what the size and diversity
15 of data sets would be required;

16 (E) conducting detailed isotope studies of
17 critical minerals and the development of more
18 refined geologic models;

19 (F) improved understanding of the geologi-
20 cal and geochemical processes through which
21 critical minerals form and are concentrated into
22 economically viable deposits; or

23 (G) providing training and researcher op-
24 portunities to undergraduate and graduate stu-

1 dents to prepare the next generation of mining
2 engineers and researchers.

3 (3) EXISTING PROGRAMS.—The Director shall
4 ensure awards made under this subsection are com-
5 plementary and not duplicative of existing programs
6 across the foundation and Federal Government.

7 (v) STUDY OF AI RESEARCH CAPACITY.—

8 (1) IN GENERAL.—The Director shall conduct a
9 study, or support the development of a study
10 through the Science and Technology Policy Institute
11 or by any other appropriate organization as deter-
12 mined by the Director, on artificial intelligence re-
13 search capacity at U.S. institutions of higher edu-
14 cation.

15 (2) STUDY CONTENTS.—The Director shall en-
16 sure that, at a minimum, the study under subsection
17 (a) addresses the following topics:

18 (A) Which universities are putting out sig-
19 nificant peer-reviewed artificial intelligence re-
20 search, including based on quantity and number
21 of citations.

22 (B) For each of the universities described
23 in paragraph (1), what specific factors enable
24 their AI research, including computing power,

1 data sets and availability, specialized cur-
2 riculum, and industry and other partnerships.

3 (C) How universities not included in para-
4 graph (1) could implement the factors in para-
5 graph (2) to produce AI research, as well as
6 case studies that universities can look to as ex-
7 amples and potential pilot programs that the
8 Federal Government could develop or support
9 to help universities produce AI research.

10 (3) WORKSHOPS.—The Director may support
11 workshops to help inform the study required under
12 this subsection.

13 (4) PUBLICATION.—The Director shall ensure
14 that the study carried out under this subsection is
15 made publicly available not later than 12 months
16 after the date of enactment of this Act.

17 (w) ADVANCING IOT FOR PRECISION AGRI-
18 CULTURE.—

19 (1) NATIONAL SCIENCE FOUNDATION DIREC-
20 TIVE ON AGRICULTURAL SENSOR RESEARCH.—In
21 awarding grants under its sensor systems and
22 networked systems programs, the Director shall in-
23 clude in consideration of portfolio balance research
24 and development on sensor connectivity in environ-

1 ments of intermittent connectivity and intermittent
2 computation—

3 (A) to improve the reliable use of advance
4 sensing systems in rural and agricultural areas;
5 and

6 (B) that considers—

7 (i) direct gateway access for locally
8 stored data;

9 (ii) attenuation of signal transmission;

10 (iii) loss of signal transmission; and

11 (iv) at-scale performance for wireless
12 power.

13 (2) UPDATING CONSIDERATIONS FOR PRECI-
14 SION AGRICULTURE TECHNOLOGY WITHIN THE NSF
15 ADVANCED TECHNICAL EDUCATION PROGRAM.—Sec-
16 tion 3 of the Scientific and Advanced-Technology
17 Act of 1992 (42 U.S.C. 1862i) is amended in sub-
18 section (e)(3)—

19 (A) in subparagraph (C), by striking
20 “and” after the semicolon;

21 (B) in subparagraph (D), by striking the
22 period at the end and inserting “; and”; and

23 (C) by adding at the end the following:

24 “(E) applications that incorporate distance
25 learning tools and approaches.”.

1 (3) GAO REVIEW.—Not later than 18 months
2 after the date of enactment of this Act, the Comp-
3 troller General of the United States shall provide—

4 (A) a technology assessment of precision
5 agriculture technologies, such as the existing
6 use of—

7 (i) sensors, scanners, radio-frequency
8 identification, and related technologies that
9 can monitor soil properties, irrigation con-
10 ditions, and plant physiology;

11 (ii) sensors, scanners, radio-frequency
12 identification, and related technologies that
13 can monitor livestock activity and health;

14 (iii) network connectivity and wireless
15 communications that can securely support
16 digital agriculture technologies in rural
17 and remote areas;

18 (iv) aerial imagery generated by sat-
19 ellites or unmanned aerial vehicles;

20 (v) ground-based robotics;

21 (vi) control systems design and
22 connectivity, such as smart irrigation con-
23 trol systems;

24 (vii) Global Positioning System-based
25 applications; and

1 (viii) data management software and
2 advanced analytics that can assist decision
3 making and improve agricultural outcomes;
4 and

5 (B) a review of Federal programs that pro-
6 vide support for precision agriculture research,
7 development, adoption, education, or training,
8 in existence on the date of enactment of this
9 Act.

10 (x) ASTRONOMY AND SATELLITE CONSTELLA-
11 TIONS.—The Director shall support research into and the
12 design, development, and testing of mitigation measures
13 to address the impact of satellite constellations on Foun-
14 dation scientific programs by—

15 (1) awarding grants on a competitive basis to
16 support investigations into the impacts of satellite
17 constellations on ground-based optical, infrared, and
18 radio astronomy, including through existing pro-
19 grams such as Spectrum and Wireless Innovation en-
20 abled by Future Technologies (SWIFT) and the
21 Spectrum Innovation Initiative;

22 (2) supporting research on satellite impacts and
23 benefits and mitigation strategies to be carried out
24 at one or more Foundation supported Federally

1 Funded Research and Development Centers or large
2 facilities, as appropriate; and

3 (3) supporting workshops related to the impact
4 of satellite constellations on scientific research and
5 how those constellations could be used to improve
6 scientific research.

7 **SEC. 10307. RESEARCH INFRASTRUCTURE.**

8 (a) FACILITY OPERATION AND MAINTENANCE.—

9 (1) IN GENERAL.—The Director shall continue
10 the Facility Operation Transition pilot program for
11 a total of 5 years.

12 (2) COST SHARING.—The Facility Operation
13 Transition program shall provide funding for 10–50
14 percent of the operations and maintenance costs for
15 major research facilities that are within the first five
16 years of operation, where the share is determined
17 based on—

18 (A) the operations and maintenance costs
19 of the major research facility; and

20 (B) the capacity of the managing direc-
21 torate or division to absorb such costs.

22 (3) REPORT.—After the fifth year of the pilot
23 program, the Director shall transmit a report to
24 Congress that includes—

1 (A) an assessment, that includes feedback
2 from the research community, of the effective-
3 ness of the pilot program for—

4 (i) supporting research directorates
5 and divisions in balancing investments in
6 research grants and funding for the initial
7 operation and maintenance of major facili-
8 ties;

9 (ii) incentivizing the development of
10 new world-class facilities;

11 (iii) facilitating interagency and inter-
12 national partnerships;

13 (iv) funding core elements of multi-
14 disciplinary facilities; and

15 (v) supporting facility divestment
16 costs; and

17 (B) if deemed effective, a plan for perma-
18 nent implementation of the pilot program.

19 (b) **REVIEWS.**—The Director shall periodically carry
20 out reviews within each of the directorates and divisions
21 to assess the cost and benefits of extending the operations
22 of research facilities that have exceeded their planned
23 operational lifespan.

24 (c) **HELIUM CONSERVATION.**—

1 (1) MAJOR RESEARCH INSTRUMENTATION SUP-
2 PORT.—

3 (A) IN GENERAL.—The Director shall sup-
4 port, through the Major Research Instrumenta-
5 tion program, proposal requests that include
6 the purchase, installation, operation, and main-
7 tenance of equipment and instrumentation to
8 reduce consumption of helium.

9 (B) COST SHARING.—The Director may
10 waive the cost-sharing requirement for helium
11 conservation measures for non-Ph.D.-granting
12 institutions of higher education and Ph.D.-
13 granting institutions of higher education that
14 are not ranked among the top 100 institutions
15 receiving Federal research and development
16 funding, as documented by the National Center
17 for Science and Engineering Statistics.

18 (2) ANNUAL REPORT.—No later than 1 year
19 after the date of enactment of this Act and annually
20 for the subsequent two years, the Director shall sub-
21 mit an annual report to Congress on the use of
22 funding awarded by the Foundation for the purchase
23 and conservation of helium. The report should in-
24 clude—

1 (A) the volume and price of helium pur-
2 chased;

3 (B) changes in pricing and availability of
4 helium; and

5 (C) any supply disruptions impacting a
6 substantial number of institutions.

7 (d) ADVANCED COMPUTING.—

8 (1) COMPUTING NEEDS.—To gather informa-
9 tion about the computational needs of Foundation-
10 funded projects, the Director shall require grant pro-
11 posals submitted to the Foundation, as appropriate,
12 to include estimates of computational resource needs
13 for projects that require use of advanced computing.
14 The Director shall encourage and provide access to
15 tools that facilitate the inclusion of these measures,
16 including those identified in the 2016 Academies re-
17 port entitled “Future Directions for NSF Advanced
18 Computing Infrastructure to Support U.S. Science
19 and Engineering in 2017–2020”.

20 (2) REPORTS.—The Director shall document
21 and publish every two years a summary of the
22 amount and types of advanced computing capabili-
23 ties that are needed to fully meet the Foundation’s
24 project needs as identified under paragraph (1).

1 (3) ROADMAP.—To set priorities and guide
2 strategic decisions regarding investments in ad-
3 vanced computing capabilities, the Director shall de-
4 velop, publish, and regularly update a 5-year ad-
5 vanced computing roadmap that—

6 (A) describes the advanced computing re-
7 sources and capabilities that would fully meet
8 anticipated project needs, including through in-
9 vestments in the Mid-Scale Research Infra-
10 structure program and the Major Research
11 Equipment and Facilities Construction account;

12 (B) draws on community input, informa-
13 tion contained in research proposals, allocation
14 requests, insights from Foundation-funded
15 cyber-infrastructure operators, and Foundation-
16 wide information gathering regarding commu-
17 nity needs;

18 (C) considers computational needs of
19 planned major facilities;

20 (D) reflects anticipated technology trends;

21 (E) informs users and potential partners
22 about future facilities and services;

23 (F) addresses the needs of groups histori-
24 cally underrepresented in STEM and geo-

1 graphic regions with low availability and high
2 demand for advanced computing resources;

3 (G) considers how Foundation-supported
4 advanced computing capabilities can be lever-
5 aged for activities through the Directorate for
6 Science and Engineering Solutions; and

7 (H) provides an update to Congress about
8 the level of funding necessary to fully meet
9 computational resource needs for the research
10 community.

11 (4) SECURING AMERICAN RESEARCH FROM
12 CYBER THEFT.—

13 (A) NETWORKING AND INFORMATION
14 TECHNOLOGY RESEARCH AND DEVELOPMENT
15 UPDATE.—Section 101(a)(1) of the High-Per-
16 formance Computing Act of 1991 (15 U.S.C.
17 5511) is amended—

18 (i) by moving the margins of subpara-
19 graphs (D) and (J) through (O) two ems
20 to the left;

21 (ii) by redesignating subparagraphs
22 (J) through (O) as subparagraphs (K)
23 through (P), respectively; and

24 (iii) by inserting after subparagraph
25 (I) the following:

1 “(J) provide for improving the security, reli-
2 ability, and resiliency of computing and networking
3 systems used by institutions of higher education and
4 other nonprofit research institutions for the proc-
5 essing, storage and transmission of sensitive feder-
6 ally funded research and associated data;”.

7 (B) COMPUTING ENCLAVE PILOT PRO-
8 GRAM.—

9 (i) IN GENERAL.—The Director, in
10 consultation with the Director of the Na-
11 tional Institute of Standards and Tech-
12 nology and the Secretary of Energy, shall
13 establish a pilot program to award grants
14 to ensure the security of federally-sup-
15 ported research data and to assist regional
16 institutions of higher education and their
17 researchers in compliance with regulations
18 regarding the safeguarding of sensitive in-
19 formation and other relevant regulations
20 and Federal guidelines.

21 (ii) STRUCTURE.—In carrying out the
22 pilot program established pursuant to
23 clause (i), the Director shall select three
24 institutions of higher education from
25 among institutions classified under the In-

1 diana University Center for Postsecondary
2 Research Carnegie Classification as a doc-
3 torate-granting university with a very high
4 level of research activity, and with a his-
5 tory of working with secure information for
6 the development, installation, maintenance,
7 or sustainment of secure computing en-
8 claves.

9 (iii) REGIONALIZATION.—

10 (I) IN GENERAL.—In selecting
11 universities pursuant to clause (ii),
12 the Director shall give preference to
13 institutions of higher education with
14 the capability of serving other regional
15 universities.

16 (II) GEOGRAPHIC DISPERSAL.—
17 The enclaves should be geographically
18 dispersed to better meet the needs of
19 regional interests.

20 (iv) PROGRAM ELEMENTS.—The Di-
21 rector shall work with institutions of high-
22 er education selected pursuant to clause
23 (ii) to—

1 (I) develop an approved design
2 blueprint for compliance with Federal
3 data protection protocols;

4 (II) develop a comprehensive and
5 confidential list, or a bill of materials,
6 of each binary component of the soft-
7 ware, firmware, or product that is re-
8 quired to deploy additional secure
9 computing enclaves;

10 (III) develop templates for all
11 policies and procedures required to
12 operate the secure computing enclave
13 in a research setting;

14 (IV) develop a system security
15 plan template; and

16 (V) develop a process for man-
17 aging a plan of action and milestones
18 for the secure computing enclave.

19 (v) DURATION.—Subject to other
20 availability of appropriations, the pilot pro-
21 gram established pursuant to clause (i)
22 shall operate for not less than 3 years.

23 (vi) REPORT.—

24 (I) IN GENERAL.—The Director
25 shall report to Congress not later than

1 6 months after the completion of the
2 pilot program under clause (i).

3 (II) CONTENTS.—The report re-
4 quired under subclause (I) shall in-
5 clude—

6 (aa) an assessment of the
7 pilot program under clause (i),
8 including an assessment of the
9 security benefits provided by such
10 secure computing enclaves;

11 (bb) recommendations re-
12 lated to the value of expanding
13 the network of secure computing
14 enclaves; and

15 (cc) recommendations on the
16 efficacy of the use of secure com-
17 puting enclaves by other Federal
18 agencies in a broader effort to
19 expand security of Federal re-
20 search.

21 (vii) AUTHORIZATION OF APPROPRIA-
22 TIONS.—There is authorized to be appro-
23 priated to the Director, \$38,000,000 for
24 fiscal years 2022 through 2024, to carry
25 out the activities outlined in this section.

1 (e) NATIONAL SECURE DATA SERVICE.—

2 (1) IN GENERAL.—The Director, in consulta-
3 tion with the Chief Statistician of the United States,
4 shall establish a demonstration project to develop,
5 refine and test models to inform the full implemen-
6 tation of the Commission on Evidence-Based Policy-
7 making recommendation for a government-wide data
8 linkage and access infrastructure for statistical ac-
9 tivities conducted for statistical purposes, as defined
10 in chapter 35 of title 44, United States Code.

11 (2) ESTABLISHMENT.—Not later than one year
12 after the date of enactment of this Act, the Director
13 shall establish a National Secure Data Service dem-
14 onstration project. The National Secure Data Serv-
15 ice demonstration project shall be—

16 (A) aligned with the principles, best prac-
17 tices, and priority actions recommended by the
18 Advisory Committee on Data for Evidence
19 Building, to the extent feasible; and

20 (B) operated directly by or via a contract
21 that is managed by the National Center for
22 Science and Engineering Statistics.

23 (3) DATA.—In carrying out this subsection, the
24 Director shall engage with Federal and State agen-
25 cies to collect, acquire, analyze, report, and dissemi-

1 nate statistical data in the United States and other
2 nations to support government-wide evidence-build-
3 ing activities consistent with the Foundations for
4 Evidence-Based Policymaking Act of 2018.

5 (4) PRIVACY AND CONFIDENTIALITY PROTEC-
6 TIONS.—If the Director issues a management con-
7 tract under paragraph (2), the awardee shall be des-
8 ignated as an “agent” under chapter 35 of title 44,
9 United States Code, subchapter III, section 3561 et
10 seq., with all requirements and obligations for pro-
11 tecting confidential information delineated in the
12 Confidential Information Protection and Statistical
13 Efficiency Act of 2018 and the Privacy Act of 1974.

14 (5) TECHNOLOGY.—In carrying out this sub-
15 section, the Director shall consider application and
16 use of systems and technologies that incorporate
17 protection measures to reasonably ensure confiden-
18 tial data and statistical products are protected in ac-
19 cordance with obligations under chapter 35 of title
20 44, United States Code, subchapter III, section
21 3561 et seq., including systems and technologies
22 that ensure raw data and other sensitive inputs are
23 not accessible to recipients of statistical outputs
24 from the National Secure Data Service demonstra-
25 tion project.

1 (6) TRANSPARENCY.—The National Secure
2 Data Service established under paragraph (2) shall
3 maintain a public website with up-to-date informa-
4 tion on supported projects.

5 (7) REPORT.—Not later than 2 years after the
6 date of enactment of this Act, the National Secure
7 Data Service demonstration project established
8 under paragraph (2) shall submit a report to Con-
9 gress that includes—

10 (A) a description of policies for protecting
11 data, consistent with applicable Federal law;

12 (B) a comprehensive description of all
13 completed or active data linkage activities and
14 projects;

15 (C) an assessment of the effectiveness of
16 the demonstration project for mitigating risks
17 and removing barriers to a sustained implemen-
18 tation of the National Secure Data Service as
19 recommended by the Commission on Evidence-
20 Based Policymaking; and

21 (D) if deemed effective by the Director, a
22 plan for scaling up the demonstration project to
23 facilitate data access for evidence building while
24 ensuring transparency and privacy.

1 (8) AUTHORIZATION OF APPROPRIATIONS.—

2 There are authorized to be appropriated to the Di-
3 rector to carry out this subsection \$9,000,000 for
4 each of fiscal years 2022 through 2026.

5 **SEC. 10308. DIRECTORATE FOR SCIENCE AND ENGINEER-**
6 **ING SOLUTIONS.**

7 (a) ESTABLISHMENT.—Subject to the availability of
8 appropriated funds, there is established within the Foun-
9 dation the Directorate for Science and Engineering Solu-
10 tions to advance research and development solutions to ad-
11 dress societal and national challenges for the benefit of
12 all Americans.

13 (b) PURPOSE.—The purpose of the Directorate estab-
14 lished under subsection (a) is to support use-inspired re-
15 search, accelerate the translation of Foundation-supported
16 fundamental research and to advance technologies, facili-
17 tate commercialization and use of federally funded re-
18 search, and expand the pipeline of United States students
19 and researchers in areas of societal and national impor-
20 tance.

21 (c) ACTIVITIES.—The Director shall achieve the pur-
22 poses described in subsection (b) by awarding financial as-
23 sistance through the Directorate to—

24 (1) support transformational advances in use-
25 inspired and translational research through diverse

1 funding mechanisms and models, including conver-
2 gence accelerators;

3 (2) translate research into science and engineer-
4 ing innovations, including through developing inno-
5 vative approaches to connect research with societal
6 outcomes, developing approaches to technology
7 transfer that do not rely only on traditional market
8 and commercialization tools, education and training
9 for students and researchers on engaging with end
10 users and the public, partnerships that facilitate re-
11 search uptake, application, and scaling, prototype
12 development, entrepreneurial education, developing
13 tech-to-market strategies, and partnerships that con-
14 nect research products to businesses, accelerators,
15 and incubators and encourage the formation and
16 growth of new companies;

17 (3) develop and expand sustainable and mutu-
18 ally-beneficial use-inspired and translational research
19 and development partnerships and collaborations
20 among institutions of higher education, including
21 minority serving institutions and emerging research
22 institutions, non-profit organizations, labor organiza-
23 tions, businesses and other for-profit entities, Fed-
24 eral or State agencies, community organizations,
25 other Foundation directorates, national labs, field

1 stations and marine laboratories, international enti-
2 ties as appropriate, binational research and develop-
3 ment foundations and funds, excluding foreign enti-
4 ties of concern, and other organizations;

5 (4) build capacity for use-inspired and
6 translational research at institutions of higher edu-
7 cation, including necessary administrative support;

8 (5) expand opportunities for researchers to con-
9 tribute to use-inspired and translational research in-
10 cluding through support for workshops and con-
11 ferences, targeted incentives and training, and multi-
12 disciplinary research centers;

13 (6) support the education, mentoring, and
14 training of undergraduate students, graduate stu-
15 dents, and postdoctoral researchers in use-inspired
16 and translational approaches to research and entre-
17 preneurship in key focus areas identified under sub-
18 section (g) through scholarships, fellowships, and
19 traineeships;

20 (7) support translational research infrastruc-
21 ture, including platforms and testbeds, data manage-
22 ment and software tools, and networks and commu-
23 nication platforms for interactive and collective
24 learning and information sharing;

1 (8) identify social, behavioral, and economic
2 drivers and consequences of technological innova-
3 tions; and

4 (9) ensure the programmatic work of the Direc-
5 torate and Foundation incorporates a worker per-
6 spective through participation by labor organizations
7 and workforce training organizations.

8 (d) ASSISTANT DIRECTOR.—

9 (1) IN GENERAL.—The Director shall appoint
10 an Assistant Director responsible for the manage-
11 ment of the Directorate established under this sec-
12 tion.

13 (2) TERM LIMIT.—The Assistant Director ap-
14 pointed under paragraph (1) shall serve a term last-
15 ing no longer than 4 years.

16 (3) QUALIFICATIONS.—The Assistant Director
17 shall be an individual, who by reason of professional
18 background and experience, is specially qualified
19 to—

20 (A) advise the Director on all matters per-
21 taining to use-inspired and translational re-
22 search, development, and commercialization at
23 the Foundation, including partnership with the
24 private sector and other users of Foundation
25 funded research; and

1 (B) develop and implement the necessary
2 policies and procedures to promote a culture of
3 use-inspired and translational research within
4 the Directorate and across the Foundation and
5 carry out the responsibilities under paragraph
6 (4).

7 (4) RESPONSIBILITIES.—The responsibilities of
8 the Assistant Director shall include—

9 (A) advising the Director on all matters
10 pertaining to use-inspired and translational re-
11 search and development activities at the Foun-
12 dation, including effective practices for conver-
13 gence research;

14 (B) identifying opportunities for and facili-
15 tating coordination and collaboration, where ap-
16 propriate, on use-inspired and translational re-
17 search, development, commercialization, and so-
18 cietal application activities—

19 (i) among the offices, directorates,
20 and divisions within the Foundation; and

21 (ii) between the Foundation and
22 stakeholders in academia, the private sec-
23 tor, including non-profit entities, labor or-
24 ganizations, Federal or State agencies, and
25 international entities, as appropriate;

1 (C) ensuring that the activities carried out
2 under this section are not duplicative of activi-
3 ties supported by other parts of the Foundation
4 or other relevant Federal agencies;

5 (D) approving all new programs within the
6 Directorate;

7 (E) developing and testing diverse merit-
8 review models and mechanisms for selecting
9 and providing awards for use-inspired and
10 translational research and development at dif-
11 ferent scales, from individual investigator
12 awards to large multi-institution collaborations;

13 (F) assessing the success of programs;

14 (G) administering awards to achieve the
15 purposes described in subsection (b); and

16 (H) performing other such duties per-
17 taining to the purposes in subsection (b) as are
18 required by the Director.

19 (5) RELATIONSHIP TO THE DIRECTOR.—The
20 Assistant Director shall report to the Director.

21 (6) RELATIONSHIP TO OTHER PROGRAMS.—No
22 other directorate within the Foundation shall report
23 to the Assistant Director.

24 (e) ADVISORY COMMITTEE.—

1 (1) IN GENERAL.—In accordance with the Fed-
2 eral Advisory Committee Act (5 U.S.C. App.) the
3 Director shall establish an advisory committee to as-
4 sess, and make recommendations regarding, the ac-
5 tivities carried out under this section.

6 (2) MEMBERSHIP.—The advisory committee
7 members shall—

8 (A) be individuals with relevant experience
9 or expertise, including individuals from industry
10 and national labs, educators, academic subject
11 matter experts, including individuals with
12 knowledge of the technical and social dimen-
13 sions of science and technology, technology
14 transfer experts, labor organizations, and rep-
15 resentatives of civil society, community organi-
16 zations, and other nongovernmental organiza-
17 tions; and

18 (B) consist of at least 10 members broadly
19 representative of stakeholders, including no less
20 than 3 members from the private sector, none
21 of whom shall be an employee of the Federal
22 Government.

23 (3) RESPONSIBILITIES.—The Committee shall
24 be responsible for—

1 (A) reviewing and evaluating activities car-
2 ried out under this section; and

3 (B) assessing the success of the Direc-
4 torate in and proposing new strategies for ful-
5 filling the purposes in subsection (b).

6 (f) EXISTING PROGRAMS.—The Convergence Accel-
7 erator, the Growing Convergence Research Big Idea, and
8 any other program, at the discretion of the Director, may
9 be managed by the Directorate.

10 (g) FOCUS AREAS.—In consultation with the Assist-
11 ant Director, the Board, and other Federal agencies and
12 taking into account advice under subsection (e), the Direc-
13 tor shall identify, and regularly update, up to 5 focus
14 areas to guide activities under this section. In selecting
15 such focus areas, the Director shall consider the following
16 societal challenges:

17 (1) Climate change and environmental sustain-
18 ability.

19 (2) Global competitiveness and domestic job
20 creation in critical technologies.

21 (3) Cybersecurity.

22 (4) National security.

23 (5) STEM education and workforce.

24 (6) Social and economic inequality.

25 (h) TECHNOLOGY RESEARCH INSTITUTES.—

1 (1) IN GENERAL.—The Director may award
2 grants and cooperative agreements to institutions of
3 higher education, or consortia thereof, for the plan-
4 ning, establishment, and support of Technology Re-
5 search Institutes in key technology areas, as deter-
6 mined by the Director.

7 (2) USES OF FUNDS.—Funds awarded under
8 this section may be used by a Technology Research
9 Institute to—

10 (A) conduct fundamental research to ad-
11 vance innovation in a key technology;

12 (B) conduct research involving a key tech-
13 nology to solve challenges with social, economic,
14 health, scientific, and national security implica-
15 tions;

16 (C) further the development, adoption, and
17 commercialization of innovations in key tech-
18 nology focus areas, including through partner-
19 ship with other Federal agencies and Federal
20 laboratories, industry, including startup compa-
21 nies, labor organizations, civil society organiza-
22 tions, and state and local, and Tribal govern-
23 ments;

1 (D) develop and manage multi-user re-
2 search testbeds and instrumentation for key
3 technologies;

4 (E) develop and manage an accessible re-
5 pository, as appropriate, for research data and
6 computational models relevant to the relevant
7 key technology field, consistent with applicable
8 privacy and intellectual property laws;

9 (F) convene national workshops for re-
10 searchers and other stakeholders in that tech-
11 nology area;

12 (G) establish traineeship programs for
13 graduate students who pursue research related
14 to the technology leading to a masters or doc-
15 torate degree by providing funding and other
16 assistance, and by providing graduate students
17 opportunities for research experiences in gov-
18 ernment or industry related to the students'
19 studies in that technology area;

20 (H) engage in outreach and engagement to
21 broaden participation in technology research
22 and education; and

23 (I) support such other activities that the
24 Director determines appropriate.

1 (3) CONSIDERATIONS.—In making awards
2 under this section, the Director may consider the ex-
3 tent to which the activities proposed—

4 (A) have the potential to create an innova-
5 tion ecosystem, or enhance existing ecosystems,
6 to translate Technology Research Institute re-
7 search into applications and products, as appro-
8 priate to the topic of each Institute;

9 (B) support transdisciplinary research and
10 development across multiple institutions of
11 higher education and organizations;

12 (C) support transdisciplinary education ac-
13 tivities, including curriculum development, re-
14 search experiences, and faculty professional de-
15 velopment across undergraduate, graduate, and
16 professional academic programs;

17 (D) involve partnerships with multiple
18 types of institutions, including emerging re-
19 search institutions, historically Black colleges
20 and universities, Tribal Colleges or Universities,
21 and minority serving institutions, and with
22 other Federal agencies, Federal laboratories, in-
23 dustry, state, local, and Tribal governments,
24 labor organizations, civil society organizations,

1 and other entities that may use or be affected
2 by the technology; and

3 (E) include a component that addresses
4 the ethical, societal, safety, and security impli-
5 cations relevant to the application of the tech-
6 nology.

7 (4) DURATION.—

8 (A) INITIAL PERIOD.—An award under
9 this section shall be for an initial period of 5
10 years.

11 (B) RENEWAL.—An established Tech-
12 nology Institute may apply for, and the Direc-
13 tor may grant, extended funding for periods of
14 5 years on a merit-reviewed basis.

15 (5) APPLICATION.—An institution of higher
16 education or consortia thereof seeking financial as-
17 sistance under this section shall submit to the Direc-
18 tor an application at such time, in such manner, and
19 containing such information as the Director may re-
20 quire.

21 (6) COMPETITIVE, MERIT-REVIEW.—In making
22 awards under the section, the Director shall—

23 (A) use a competitive, merit review process
24 that includes peer review by a diverse group of

1 individuals with relevant expertise from both
2 the private and public sectors; and

3 (B) ensure the focus areas of the Institute
4 do not substantially and unnecessarily duplicate
5 the efforts of any other Technology Research
6 Institute or any other similar effort at another
7 Federal agency.

8 (7) COLLABORATION.—In making awards under
9 this section, the Director may collaborate with Fed-
10 eral departments and agencies whose missions con-
11 tribute to or are affected by the technology focus
12 area of the institute.

13 (i) PLANNING AND CAPACITY BUILDING GRANTS.—
14 Section 602 of the American Innovation and Competitive-
15 ness Act (42 U.S.C. 1862s–9) is amended—

16 (1) by redesignating subsection (e) as sub-
17 section (f); and

18 (2) by inserting after subsection (d), the fol-
19 lowing:

20 “(e) PLANNING AND CAPACITY BUILDING GRANTS.—

21 “(1) IN GENERAL.—Under the program estab-
22 lished in section 508 of the America COMPETES
23 Reauthorization Act of 2010 (42 U.S.C. 1862p–2)
24 and the activities authorized under this section, the
25 Director shall award grants to eligible entities for

1 planning and capacity building at institutions of
2 higher education.

3 “(2) ELIGIBLE ENTITY DEFINED.—In this sub-
4 section, the term ‘eligible entity’ means an institu-
5 tion of higher education (or a consortium of such in-
6 stitutions) that, according to the data published by
7 the National Center for Science and Engineering
8 Statistics, is not, on average, among the top 100 in-
9 stitutions in Federal R&D expenditures during the 3
10 year period prior to the year of the award.

11 “(3) USE OF FUNDS.—In addition to activities
12 listed under subsection (c), an eligible entity receiv-
13 ing a grant under this subsection may use funds
14 to—

15 “(A) ensure the availability of staff, includ-
16 ing technology transfer professionals, entre-
17 preneurs in residence, and other mentors as re-
18 quired to accomplish the purpose of this sub-
19 section;

20 “(B) revise institution policies, including
21 policies related to intellectual property and fac-
22 ulty entrepreneurship, and taking other nec-
23 essary steps to implement relevant best prac-
24 tices for academic technology transfer;

1 “(C) develop new local and regional part-
2 nerships among institutions of higher education
3 and between institutions of higher education
4 and private sector entities and other relevant
5 organizations with the purpose of building net-
6 works, expertise, and other capacity to identify
7 promising research that may have potential
8 market value and enable researchers to pursue
9 further development and transfer of their ideas
10 into possible commercial or other use;

11 “(D) develop seminars, courses, and other
12 educational opportunities for students, post-doc-
13 toral researchers, faculty, and other relevant
14 staff at institutions of higher education to in-
15 crease awareness and understanding of entre-
16 preneurship, patenting, business planning, and
17 other areas relevant to technology transfer, and
18 connect students and researchers to relevant re-
19 sources, including mentors in the private sector;
20 and

21 “(E) create and fund competitions to allow
22 entrepreneurial students and faculty to illus-
23 trate the commercialization potential of their
24 ideas.

1 “(4) MINIMUM DURATION AND SIZE OF
2 AWARD.—Grants awarded under this subsection
3 shall be at least 3 years in duration and \$500,000
4 in total amount.

5 “(5) APPLICATION.—An eligible entity seeking
6 funding under this subsection shall submit an appli-
7 cation to the Director of the Foundation at such
8 time, in such manner, and containing such informa-
9 tion and assurances as such Director may require.
10 The application shall include, at a minimum, a de-
11 scription of how the eligible entity submitting an ap-
12 plication plans to sustain the proposed activities be-
13 yond the duration of the grant.

14 “(6) AUTHORIZATION OF APPROPRIATIONS.—
15 From within funds authorized for the Directorate
16 for Science and Engineering Solutions, there are au-
17 thorized to carry out the activities under this sub-
18 section \$40 million for each of fiscal years 2022
19 through 2026.”.

20 (j) ENTREPRENEURIAL FELLOWSHIPS.—

21 (1) IN GENERAL.—The Director shall award
22 fellowships to Ph.D.-trained scientists and engineers
23 to help develop leaders capable of maturing prom-
24 ising ideas and technologies from lab to market and

1 forge connections between academic research and
2 government, industry, and finance.

3 (2) APPLICATIONS.—An applicant for a fellow-
4 ship under this subsection shall submit to the Direc-
5 tor an application at such time, in such manner, and
6 containing such information as the Director may re-
7 quire. At a minimum, the Director shall require that
8 applicants—

9 (A) have completed a doctoral degree in a
10 STEM field no more than 5 years prior to the
11 date of the application; and

12 (B) have included in the application a let-
13 ter of support from the intended host institu-
14 tion that describes how the fellow will be em-
15 bedded in that institution’s research environ-
16 ment.

17 (3) OUTREACH.—The Director shall conduct
18 program outreach to recruit fellowship applicants—

19 (A) from diverse research institutions;

20 (B) from all regions of the country; and

21 (C) from groups historically underrep-
22 resented in STEM fields;

23 (4) The Director may enter into an agreement
24 with a third-party entity to administer the fellow-
25 ships, subject to the provisions of this subsection.

1 (5) AUTHORIZATION OF APPROPRIATIONS.—

2 There is authorized to be appropriated to the Direc-
3 tor \$100,000,000 for fiscal years 2022 through
4 2026, to carry out the activities outlined in this sub-
5 section.

6 (k) LOW-INCOME SCHOLARSHIP PROGRAM.—

7 (1) IN GENERAL.—The Director shall award
8 scholarships to low-income individuals to enable such
9 individuals to pursue associate, undergraduate, or
10 graduate level degrees in mathematics, engineering,
11 or computer science.

12 (2) ELIGIBILITY.—

13 (A) IN GENERAL.—To be eligible to receive
14 a scholarship under this section, an indi-
15 vidual—

16 (i) must be a citizen of the United
17 States, a national of the United States (as
18 defined in section 1101(a) of title 8), an
19 alien admitted as a refugee under section
20 1157 of title 8, or an alien lawfully admit-
21 ted to the United States for permanent
22 residence;

23 (ii) shall prepare and submit to the
24 Director an application at such time, in

1 such manner, and containing such infor-
2 mation as the Director may require; and

3 (iii) shall certify to the Director that
4 the individual intends to use amounts re-
5 ceived under the scholarship to enroll or
6 continue enrollment at an institution of
7 higher education (as defined in section
8 1001(a) of title 20) in order to pursue an
9 associate, undergraduate, or graduate level
10 degree in mathematics, engineering, com-
11 puter science, or other technology and
12 science programs designated by the Direc-
13 tor.

14 (B) ABILITY.—Awards of scholarships
15 under this section shall be made by the Director
16 solely on the basis of the ability of the appli-
17 cant, except that in any case in which 2 or
18 more applicants for scholarships are deemed by
19 the Director to be possessed of substantially
20 equal ability, and there are not sufficient schol-
21 arships available to grant one to each of such
22 applicants, the available scholarship or scholar-
23 ships shall be awarded to the applicants in a
24 manner that will tend to result in a geographi-
25 cally wide distribution throughout the United

1 States of recipients' places of permanent resi-
2 dence.

3 (3) SCHOLARSHIP AMOUNT AND RENEWAL.—

4 The amount of a scholarship awarded under this
5 section shall be determined by the Director. The Di-
6 rector may renew scholarships for up to 5 years.

7 (4) AUTHORIZATION.—Of amounts authorized
8 for the Directorate for Science and Engineering So-
9 lutions, \$100,000,000 shall be authorized for this
10 program.

11 (l) TRANSFER OF FUNDS.—

12 (1) IN GENERAL.—Funds made available to
13 carry out this section shall be available for transfer
14 to other offices, directorates, or divisions within the
15 Foundation for such use as is consistent with the
16 purposes for which such funds are provided.

17 (2) PROHIBITION ON TRANSFER FROM OTHER
18 OFFICES.—No funds shall be available for transfer
19 to the Directorate established under this section
20 from other offices, directorates, or divisions within
21 the Foundation.

22 (m) AUTHORITIES.—In addition to existing authori-
23 ties available to the Foundation, the Director may exercise
24 the following authorities in carrying out the activities
25 under this section:

1 (1) AWARDS.—In carrying out this section, the
2 Director may provide awards in the form of grants,
3 contracts, cooperative agreements, cash prizes, and
4 other transactions.

5 (2) APPOINTMENTS.—The Director shall have
6 the authority to make appointments of scientific, en-
7 gineering, and professional personnel for carrying
8 out research and development functions which re-
9 quire the services of specially qualified personnel re-
10 lating to the focus areas identified under subsection
11 (g) and such other areas of national research prior-
12 ities as the Director may determine.

13 (n) ETHICAL, LEGAL, AND SOCIETAL CONSIDER-
14 ATIONS.—The Director shall establish policies regarding
15 engagement with experts in the social dimensions of
16 science and technology and set up formal avenues for pub-
17 lic input, as appropriate, to ensure that ethical, legal, and
18 societal considerations are explicitly integrated into the
19 priorities for the Directorate, including the selection of
20 focus areas under subsection (g), the award-making proc-
21 ess, and throughout all stages of supported projects.

22 (o) REPORTS AND ROADMAPS.—

23 (1) ANNUAL REPORT.—The Director shall pro-
24 vide to the relevant authorizing and appropriations
25 committees of Congress an annual report describing

1 projects supported by the Directorate during the
2 previous year.

3 (2) ROADMAP.—Not later than 1 year after the
4 date of enactment of this Act, the Director shall pro-
5 vide to the relevant authorizing and appropriations
6 committees of Congress a roadmap describing the
7 strategic vision that the Directorate will use to guide
8 investment decisions over the following 3 years.

9 (p) EVALUATION.—

10 (1) IN GENERAL.—After the Directorate has
11 been in operation for 6 years, the National Science
12 Board shall evaluate how well the Directorate is
13 achieving the purposes identified in subsection (b),
14 including an assessment of the impact of Directorate
15 activities on the Foundation’s primary science mis-
16 sion.

17 (2) INCLUSIONS.—The evaluation shall in-
18 clude—

19 (A) a recommendation on whether the Di-
20 rectorate should be continued or terminated;
21 and

22 (B) a description of lessons learned from
23 operation of the Directorate.

1 (3) AVAILABILITY.—On completion of the eval-
2 uation, the evaluation shall be made available to
3 Congress and the public.

4 **SEC. 10309. ADMINISTRATIVE AMENDMENTS.**

5 (a) SUPPORTING VETERANS IN STEM CAREERS.—
6 Section 3(c) of the Supporting Veterans in STEM Careers
7 Act is amended by striking “annual” and inserting “bien-
8 nial”.

9 (b) SUNSHINE ACT COMPLIANCE.—Section 15 of the
10 National Science Foundation Authorization Act of 2002
11 is amended—

12 (1) so that paragraph (3) reads as follows:

13 “(3) COMPLIANCE REVIEW.—The Inspector
14 General of the Foundation shall conduct a review of
15 the compliance by the Board with the requirements
16 described in paragraph (2) as necessary based on a
17 triennial risk assessment. Any review deemed nec-
18 essary shall examine the proposed and actual con-
19 tent of closed meetings and determine whether the
20 closure of the meetings was consistent with section
21 552b of title 5, United States Code.”; and

22 (2) by striking paragraphs (4) and (5) and in-
23 serting the following:

24 “(4) MATERIALS RELATING TO CLOSED POR-
25 TIONS OF MEETING.—To facilitate the risk assess-

1 ment required under paragraph (3) of this sub-
2 section, and any subsequent review conducted by the
3 Inspector General, the Office of the National Science
4 Board shall maintain the General Counsel’s certifi-
5 cate, the presiding officer’s statement, and a tran-
6 script or recording of any closed meeting, for at
7 least 3 years after such meeting.”.

8 (c) SCIENCE AND ENGINEERING INDICATORS RE-
9 PORT SUBMISSION.—Section 4(j)(1) of the National
10 Science Foundation Act of 1950 (42 U.S.C. 1863(j)(1))
11 is amended by striking “January 15” and inserting
12 “March 15”.

13 (d) OTHER REQUIREMENTS.—All laborers and me-
14 chanics employed by contractors or subcontractors in the
15 performance of construction, alteration or repair work as-
16 sisted in whole or in part under this title shall be paid
17 wages at rates not less than those prevailing on projects
18 of a similar character in the locality as determined by the
19 Secretary of Labor in accordance with subchapter IV of
20 chapter 31 of title 40, United States Code. With respect
21 to the labor standards specified in this section, the Sec-
22 retary of Labor shall have the authority and functions set
23 forth in Reorganization Plan Numbered 14 of 1950 (64
24 Stat. 1267; 5 U.S.C. App.) and section 3145 of title 40,
25 United States Code.

1 **TITLE IV—BIOECONOMY**
2 **RESEARCH AND DEVELOPMENT**

3 **SEC. 10401. FINDINGS.**

4 The Congress makes the following findings:

5 (1) Cellular and molecular processes may be
6 used, mimicked, or redesigned to develop new prod-
7 ucts, processes, and systems that improve societal
8 well-being, strengthen national security, and con-
9 tribute to the economy.

10 (2) Engineering biology relies on a workforce
11 with a diverse and unique set of skills combining the
12 biological, physical, chemical, and information
13 sciences and engineering.

14 (3) Long-term research and development is nec-
15 essary to create breakthroughs in engineering biol-
16 ogy. Such research and development requires govern-
17 ment investment as many of the benefits are too dis-
18 tant or uncertain for industry to support alone.

19 (4) Research is necessary to inform evidence-
20 based governance of engineering biology and to sup-
21 port the growth of the engineering biology industry.

22 (5) The Federal Government has an obligation
23 to ensure that ethical, legal, environmental, safety,
24 security, and societal implications of its science and
25 technology research and investment follows policies

1 of responsible innovation and fosters public trans-
2 parency.

3 (6) The Federal Government can play an im-
4 portant role by facilitating the development of tools
5 and technologies to further advance engineering biol-
6 ogy, including user facilities, by facilitating public-
7 private partnerships, by supporting risk research,
8 and by facilitating the commercial application in the
9 United States of research funded by the Federal
10 Government.

11 (7) The United States led the development of
12 the science and engineering techniques that created
13 the field of engineering biology, but due to increas-
14 ing international competition, the United States is
15 at risk of losing its competitive advantage if it does
16 not strategically invest the necessary resources.

17 (8) A National Engineering Biology Initiative
18 can serve to establish new research directions and
19 technology goals, improve interagency coordination
20 and planning processes, drive technology transfer to
21 the private sector, and help ensure optimal returns
22 on the Federal investment.

23 **SEC. 10402. DEFINITIONS.**

24 In this title:

1 (1) BIOMANUFACTURING.—The term “bio-
2 manufacturing” means the utilization of biological
3 systems to develop new and advance existing prod-
4 ucts, tools, and processes at commercial scale.

5 (2) ENGINEERING BIOLOGY.—The term “engi-
6 neering biology” means the application of engineer-
7 ing design principles and practices to biological sys-
8 tems, including molecular and cellular systems, to
9 advance fundamental understanding of complex nat-
10 ural systems and to enable novel or optimize func-
11 tions and capabilities.

12 (3) INITIATIVE.—The term “Initiative” means
13 the National Engineering Biology Research and De-
14 velopment Initiative established under section
15 10403.

16 (4) OMICS.—The term “omics” refers to the
17 collective technologies used to explore the roles, rela-
18 tionships, and actions of the various types of mol-
19 ecules that make up the cells of an organism.

20 **SEC. 10403. NATIONAL ENGINEERING BIOLOGY RESEARCH**
21 **AND DEVELOPMENT INITIATIVE.**

22 (a) IN GENERAL.—The President, acting through the
23 Office of Science and Technology Policy, shall implement
24 a National Engineering Biology Research and Develop-
25 ment Initiative to advance societal well-being, national se-

1 curity, sustainability, and economic productivity and com-
2 petitiveness through—

3 (1) advancing areas of research at the intersec-
4 tion of the biological, physical, chemical, data, and
5 computational and information sciences and engi-
6 neering to accelerate scientific understanding and
7 technological innovation in engineering biology;

8 (2) advancing areas of biomanufacturing re-
9 search to optimize, standardize, scale, and deliver
10 new products and solutions;

11 (3) supporting social and behavioral sciences
12 and economics research that advances the field of
13 engineering biology and contributes to the develop-
14 ment and public understanding of new products,
15 processes, and technologies;

16 (4) improving the understanding of engineering
17 biology of the scientific and lay public and sup-
18 porting greater evidence-based public discourse
19 about its benefits and risks;

20 (5) supporting research relating to the risks
21 and benefits of engineering biology, including under
22 subsection (d);

23 (6) supporting the development of novel tools
24 and technologies to accelerate scientific under-

1 standing and technological innovation in engineering
2 biology;

3 (7) expanding the number of researchers, edu-
4 cators, and students and a retooled workforce with
5 engineering biology training, including from tradi-
6 tionally underrepresented and underserved popu-
7 lations;

8 (8) accelerating the translation and commer-
9 cialization of engineering biology and biomanufac-
10 turing research and development by the private sec-
11 tor; and

12 (9) improving the interagency planning and co-
13 ordination of Federal Government activities related
14 to engineering biology.

15 (b) INITIATIVE ACTIVITIES.—The activities of the
16 Initiative shall include—

17 (1) sustained support for engineering biology
18 research and development through—

19 (A) grants to fund the work of individual
20 investigators and teams of investigators, includ-
21 ing interdisciplinary teams;

22 (B) projects funded under joint solicita-
23 tions by a collaboration of no fewer than two
24 agencies participating in the Initiative; and

1 (C) interdisciplinary research centers that
2 are organized to investigate basic research
3 questions, carry out technology development
4 and demonstration activities, and increase un-
5 derstanding of how to scale up engineering biol-
6 ogy processes, including biomanufacturing;

7 (2) sustained support for databases and related
8 tools, including—

9 (A) support for the establishment,
10 curation, and maintenance of curated genomics,
11 epigenomics, and other relevant omics data-
12 bases, including plant, animal, and microbial
13 databases, that are available to researchers to
14 carry out engineering biology research in a
15 manner that does not compromise national se-
16 curity or the privacy or security of information
17 within such databases;

18 (B) development of standards for such
19 databases, including for curation, interoper-
20 ability, and protection of privacy and security;

21 (C) support for the development of com-
22 putational tools, including artificial intelligence
23 tools, that can accelerate research and innova-
24 tion using such databases; and

1 (D) an inventory and assessment of all
2 Federal government omics databases to identify
3 opportunities to improve the utility of such
4 databases, as appropriate and in a manner that
5 does not compromise national security or the
6 privacy and security of information within such
7 databases, and inform investment in such data-
8 bases as critical infrastructure for the engineer-
9 ing biology research enterprise;

10 (3) sustained support for the development, opti-
11 mization, and validation of novel tools and tech-
12 nologies to enable the dynamic study of molecular
13 processes in situ, including through—

14 (A) research conducted at Federal labora-
15 tories;

16 (B) grants to fund the work of investiga-
17 tors at institutions of higher education and
18 other nonprofit research institutions;

19 (C) incentivized development of retooled in-
20 dustrial sites across the country that foster a
21 pivot to modernized engineering biology initia-
22 tives; and

23 (D) awards under the Small Business In-
24 novation Research Program and the Small
25 Business Technology Transfer Program, as de-

1 scribed in section 9 of the Small Business Act
2 (15 U.S.C. 638);

3 (4) support for education and training of un-
4 dergraduate and graduate students in engineering
5 biology, biomanufacturing, bioprocess engineering,
6 and computational science applied to engineering bi-
7 ology and in the related ethical, legal, environmental,
8 safety, security, and other societal domains;

9 (5) support for biomanufacturing testbeds, in-
10 cluding by repurposing existing facilities such as
11 those in paragraph 3(C), that would enable scale up
12 of laboratory engineering biology research;

13 (6) activities to develop robust mechanisms for
14 documenting and quantifying the outputs and eco-
15 nomic benefits of engineering biology; and

16 (7) activities to accelerate the translation and
17 commercialization of new products, processes, and
18 technologies by—

19 (A) identifying precompetitive research op-
20 portunities;

21 (B) facilitating public-private partnerships
22 in engineering biology research and develop-
23 ment, including to address barriers to scaling
24 up innovations in engineering biology;

1 (C) connecting researchers, graduate stu-
2 dents, and postdoctoral fellows with entrepre-
3 neurship education and training opportunities;
4 and

5 (D) supporting proof of concept activities
6 and the formation of startup companies includ-
7 ing through programs such as the Small Busi-
8 ness Innovation Research Program and the
9 Small Business Technology Transfer Program.

10 (c) EXPANDING PARTICIPATION.—The Initiative
11 shall include, to the maximum extent practicable, outreach
12 to primarily undergraduate and minority-serving institu-
13 tions about Initiative opportunities, and shall encourage
14 the development of research collaborations between re-
15 search-intensive universities and primarily undergraduate
16 and minority-serving institutions.

17 (d) ETHICAL, LEGAL, ENVIRONMENTAL, SAFETY,
18 SECURITY, AND SOCIETAL ISSUES.—Initiative activities
19 shall take into account ethical, legal, environmental, safe-
20 ty, security, and other appropriate societal issues by—

21 (1) supporting research, including in the social
22 sciences, and other activities addressing ethical,
23 legal, environmental, and other appropriate societal
24 issues related to engineering biology, including inte-
25 grating research on such topics with the research

1 and development in engineering biology, and encour-
2 aging the dissemination of the results of such re-
3 search, including through interdisciplinary engineer-
4 ing biology research centers described in subsection
5 (b)(1);

6 (2) supporting research and other activities re-
7 lated to the safety and security implications of engi-
8 neering biology, including outreach to increase
9 awareness among Federal researchers and Federally-
10 funded researchers at institutions of higher edu-
11 cation about potential safety and security implica-
12 tions of engineering biology research, as appropriate;

13 (3) ensuring that input from Federal and non-
14 Federal experts on the ethical, legal, environmental,
15 safety, security, and other appropriate societal issues
16 related to engineering biology is integrated into the
17 Initiative;

18 (4) ensuring, through the agencies and depart-
19 ments that participate in the Initiative, that public
20 input and outreach are integrated into the Initiative
21 by the convening of regular and ongoing public dis-
22 cussions through mechanisms such as workshops,
23 consensus conferences, and educational events, as
24 appropriate; and

1 (5) complying with all applicable provisions of
2 Federal law.

3 **SEC. 10404. INITIATIVE COORDINATION.**

4 (a) INTERAGENCY COMMITTEE.—The President, act-
5 ing through the Office of Science and Technology Policy,
6 shall designate an interagency committee to coordinate ac-
7 tivities of the Initiative as appropriate, which shall be co-
8 chaired by the Office of Science and Technology Policy,
9 and include representatives from the National Science
10 Foundation, the Department of Energy, the National Aer-
11 onautics and Space Administration, the National Institute
12 of Standards and Technology, the Environmental Protec-
13 tion Agency, the National Oceanic and Atmospheric Ad-
14 ministration, the Department of Agriculture, the Depart-
15 ment of Health and Human Services, the Bureau of Eco-
16 nomic Analysis, and any other agency that the President
17 considers appropriate (in this section referred to as the
18 “Interagency Committee”). The Director of the Office of
19 Science and Technology Policy shall select an additional
20 co-chairperson from among the members of the Inter-
21 agency Committee. The Interagency Committee shall over-
22 see the planning, management, and coordination of the
23 Initiative. The Interagency Committee shall—

24 (1) provide for interagency coordination of Fed-
25 eral engineering biology research, development, and

1 other activities undertaken pursuant to the Initia-
2 tive;

3 (2) establish and periodically update goals and
4 priorities for the Initiative;

5 (3) develop, not later than 12 months after the
6 date of the enactment of this Act, and update every
7 3 years thereafter, a strategic plan submitted to the
8 Committee on Science, Space, and Technology and
9 the Committee on Energy and Commerce of the
10 House of Representatives and the Committee on
11 Commerce, Science, and Transportation and the
12 Committee on Health, Education, Labor, and Pen-
13 sions of the Senate that—

14 (A) guides the activities of the Initiative
15 for purposes of meeting the goals and priorities
16 established under (and updated pursuant to)
17 paragraph (2); and

18 (B) describes—

19 (i) the Initiative's support for long-
20 term funding for interdisciplinary engineer-
21 ing biology research and development;

22 (ii) the Initiative's support for edu-
23 cation and public outreach activities;

24 (iii) the Initiative's support for re-
25 search and other activities on ethical, legal,

1 environmental, safety, security, and other
2 appropriate societal issues related to engi-
3 neering biology including—

4 (I) an applied biorisk manage-
5 ment research plan;

6 (II) recommendations for inte-
7 grating security into biological data
8 access and international reciprocity
9 agreements;

10 (III) recommendations for manu-
11 facturing restructuring to support en-
12 gineering biology research, develop-
13 ment, and scaling-up initiatives; and

14 (IV) an evaluation of existing
15 biosecurity governance policies, guid-
16 ance, and directives for the purposes
17 of creating an adaptable, evidence-
18 based framework to respond to emerg-
19 ing biosecurity challenges created by
20 advances in engineering biology;

21 (iv) how the Initiative will contribute
22 to moving results out of the laboratory and
23 into application for the benefit of society
24 and United States competitiveness; and

1 (v) how the Initiative will measure
2 and track the contributions of engineering
3 biology to United States economic growth
4 and other societal indicators;

5 (4) develop a national genomic sequencing
6 strategy to ensure engineering biology research fully
7 leverages plant, animal, and microbe biodiversity, as
8 appropriate and in a manner that does not com-
9 promise national security or the privacy or security
10 of human genetic information, to enhance long-term
11 innovation and competitiveness in engineering biol-
12 ogy in the United States;

13 (5) develop a plan to utilize Federal programs,
14 such as the Small Business Innovation Research
15 Program and the Small Business Technology Trans-
16 fer Program as described in section 9 of the Small
17 Business Act (15 U.S.C. 638), in support of the ac-
18 tivities described in section 10403(b)(3); and

19 (6) in carrying out this section, take into con-
20 sideration the recommendations of the advisory com-
21 mittee established under section 10405, the results
22 of the workshop convened under section 10406, ex-
23 isting reports on related topics, and the views of aca-
24 demic, State, industry, and other appropriate
25 groups.

1 (b) TRIENNIAL REPORT.—Beginning with fiscal year
2 2022 and ending in fiscal year 2028, not later than 90
3 days after submission of the President’s annual budget re-
4 quest and every third fiscal year thereafter, the Inter-
5 agency Committee shall prepare and submit to the Com-
6 mittee on Science, Space, and Technology of the House
7 of Representatives and the Committee on Commerce,
8 Science, and Transportation of the Senate a report that
9 includes—

10 (1) a summarized agency budget in support of
11 the Initiative for the fiscal year to which such budg-
12 et request applies, for the following 2 fiscal years,
13 for the then current fiscal year, including a breakout
14 of spending for each agency participating in the Pro-
15 gram, and for the development and acquisition of
16 any research facilities and instrumentation; and

17 (2) an assessment of how Federal agencies are
18 implementing the plan described in subsection
19 (a)(3), including—

20 (A) a description of the amount and num-
21 ber of awards made under the Small Business
22 Innovation Research Program and the Small
23 Business Technology Transfer Program (as de-
24 scribed in section 9 of the Small Business Act
25 (15 U.S.C. 638)) in support of the Initiative;

1 (B) a description of the amount and num-
2 ber of projects funded under joint solicitations
3 by a collaboration of no fewer than 2 agencies
4 participating in the Initiative; and

5 (C) a description of the effect of the newly
6 funded projects by the Initiative.

7 (c) INITIATIVE OFFICE.—

8 (1) IN GENERAL.—The President shall establish
9 an Initiative Coordination Office, with a Director
10 and full-time staff, which shall—

11 (A) provide technical and administrative
12 support to the interagency committee and the
13 advisory committee established under section
14 10405;

15 (B) serve as the point of contact on Fed-
16 eral engineering biology activities for govern-
17 ment organizations, academia, industry, profes-
18 sional societies, State governments, interested
19 citizen groups, and others to exchange technical
20 and programmatic information;

21 (C) oversee interagency coordination of the
22 Initiative, including by encouraging and sup-
23 porting joint agency solicitation and selection of
24 applications for funding of activities under the
25 Initiative, as appropriate;

1 (D) conduct public outreach, including dis-
2 semination of findings and recommendations of
3 the advisory committee established under sec-
4 tion 10405, as appropriate;

5 (E) serve as the coordinator of ethical,
6 legal, environmental, safety, security, and other
7 appropriate societal input; and

8 (F) promote access to, and early applica-
9 tion of, the technologies, innovations, and ex-
10 pertise derived from Initiative activities to agen-
11 cy missions and systems across the Federal
12 Government, and to United States industry, in-
13 cluding startup companies.

14 (2) FUNDING.—The Director of the Office of
15 Science and Technology Policy, in coordination with
16 each participating Federal department and agency,
17 as appropriate, shall develop and annually update an
18 estimate of the funds necessary to carry out the ac-
19 tivities of the Initiative Coordination Office and sub-
20 mit such estimate with an agreed summary of con-
21 tributions from each agency to Congress as part of
22 the President’s annual budget request to Congress.

23 (3) TERMINATION.—The Initiative Coordination
24 Office established under this subsection shall termi-

1 nate on the date that is 10 years after the date of
2 the enactment of this Act.

3 (d) **RULE OF CONSTRUCTION.**—Nothing in this sec-
4 tion shall be construed to alter the policies, processes, or
5 practices of individual Federal agencies in effect on the
6 day before the date of the enactment of this Act relating
7 to the conduct of biomedical research and advanced devel-
8 opment, including the solicitation and review of extra-
9 mural research proposals.

10 **SEC. 10405. ADVISORY COMMITTEE.**

11 (a) **IN GENERAL.**—The agency co-chair of the inter-
12 agency committee established in section 10404 shall, in
13 consultation with the Office of Science and Technology
14 Policy, designate or establish an advisory committee on
15 engineering biology research and development (in this sec-
16 tion referred to as the “advisory committee”) to be com-
17 posed of not fewer than 12 members, including representa-
18 tives of research and academic institutions, industry, and
19 nongovernmental entities, who are qualified to provide ad-
20 vice on the Initiative.

21 (b) **ASSESSMENT.**—The advisory committee shall as-
22 sess—

23 (1) the current state of United States competi-
24 tiveness in engineering biology, including the scope
25 and scale of United States investments in engineer-

1 ing biology research and development in the inter-
2 national context;

3 (2) current market barriers to commercializa-
4 tion of engineering biology products, processes, and
5 tools in the United States;

6 (3) progress made in implementing the Initia-
7 tive;

8 (4) the need to revise the Initiative;

9 (5) the balance of activities and funding across
10 the Initiative;

11 (6) whether the strategic plan developed or up-
12 dated by the interagency committee established
13 under section 10404 is helping to maintain United
14 States leadership in engineering biology;

15 (7) the management, coordination, implementa-
16 tion, and activities of the Initiative; and

17 (8) whether ethical, legal, environmental, safety,
18 security, and other appropriate societal issues are
19 adequately addressed by the Initiative.

20 (c) REPORTS.—Beginning not later than 2 years
21 after the date of enactment of this Act, and not less fre-
22 quently than once every 3 years thereafter, the advisory
23 committee shall submit to the President, the Committee
24 on Science, Space, and Technology of the House of Rep-

1 representatives, and the Committee on Commerce, Science,
2 and Transportation of the Senate, a report on—

3 (1) the findings of the advisory committee's as-
4 sessment under subsection (b); and

5 (2) the advisory committee's recommendations
6 for ways to improve the Initiative.

7 (d) APPLICATION OF FEDERAL ADVISORY COM-
8 MITTEE ACT.—Section 14 of the Federal Advisory Com-
9 mittee Act (5 U.S.C. App.) shall not apply to the Advisory
10 Committee.

11 (e) TERMINATION.—The advisory committee estab-
12 lished under subsection (a) shall terminate on the date
13 that is 10 years after the date of the enactment of this
14 Act.

15 **SEC. 10406. EXTERNAL REVIEW OF ETHICAL, LEGAL, ENVI-**
16 **RONMENTAL, SAFETY, SECURITY, AND SOCI-**
17 **ETAL ISSUES.**

18 (a) IN GENERAL.—Not later than 6 months after the
19 date of enactment of this Act, the Director of the National
20 Science Foundation shall seek to enter into an agreement
21 with the National Academies of Sciences, Engineering,
22 and Medicine to conduct a review, and make recommenda-
23 tions with respect to, the ethical, legal, environmental,
24 safety, security, and other appropriate societal issues re-

1 lated to engineering biology research and development.

2 The review shall include—

3 (1) an assessment of the current research on
4 such issues;

5 (2) a description of the research gaps relating
6 to such issues;

7 (3) recommendations on how the Initiative can
8 address the research needs identified pursuant to
9 paragraph (2); and

10 (4) recommendations on how researchers en-
11 gaged in engineering biology can best incorporate
12 considerations of ethical, legal, environmental, safe-
13 ty, security, and other societal issues into the devel-
14 opment of research proposals and the conduct of re-
15 search.

16 (b) REPORT TO CONGRESS.—The agreement entered
17 into under subsection (a) shall require the National Acad-
18 emies of Sciences, Engineering, and Medicine to, not later
19 than 2 years after the date of the enactment of this Act—

20 (1) submit to the Committee on Science, Space,
21 and Technology of the House of Representatives and
22 the Committee on Commerce, Science, and Trans-
23 portation of the Senate a report containing the find-
24 ings and recommendations of the review conducted
25 under subsection (a); and

1 (2) make a copy of such report available on a
2 publicly accessible website.

3 **SEC. 10407. AGENCY ACTIVITIES.**

4 (a) NATIONAL SCIENCE FOUNDATION.—As part of
5 the Initiative, the National Science Foundation shall—

6 (1) support research in engineering biology and
7 biomanufacturing through individual grants, collabo-
8 rative grants, and through interdisciplinary research
9 centers;

10 (2) support research on the environmental,
11 legal, ethical, and social implications of engineering
12 biology;

13 (3) provide support for research instrumenta-
14 tion, equipment, and cyberinfrastructure for engi-
15 neering biology disciplines, including support for re-
16 search, development, optimization and validation of
17 novel technologies to enable the dynamic study of
18 molecular processes in situ;

19 (4) support curriculum development and re-
20 search experiences for secondary, undergraduate,
21 and graduate students in engineering biology and
22 biomanufacturing, including through support for
23 graduate fellowships and traineeships in engineering
24 biology; and

1 (5) award grants, on a competitive basis, to en-
2 able institutions to support graduate students and
3 postdoctoral fellows who perform some of their engi-
4 neering biology research in an industry setting.

5 (b) DEPARTMENT OF COMMERCE.—

6 (1) NATIONAL INSTITUTE OF STANDARDS AND
7 TECHNOLOGY.—As part of the Initiative, the Direc-
8 tor of the National Institute of Standards and Tech-
9 nology shall—

10 (A) establish a bioscience research pro-
11 gram to advance the development of standard
12 reference materials and measurements and to
13 create new data tools, techniques, and processes
14 necessary to advance engineering biology and
15 biomanufacturing;

16 (B) provide access to user facilities with
17 advanced or unique equipment, services, mate-
18 rials, and other resources to industry, institu-
19 tions of higher education, nonprofit organiza-
20 tions, and government agencies to perform re-
21 search and testing; and

22 (C) provide technical expertise to inform
23 the potential development of guidelines or safe-
24 guards for new products, processes, and sys-
25 tems of engineering biology.

1 (2) NATIONAL OCEANIC AND ATMOSPHERIC AD-
2 MINISTRATION.—As part of the initiative, the Ad-
3 ministrators of the National Oceanic and Atmos-
4 pheric Administration shall—

5 (A) conduct and support research in omics
6 and associated bioinformatic sciences and de-
7 velop tools and products to improve ecosystem
8 stewardship, monitoring, management, assess-
9 ments and forecasts, consistent with the mis-
10 sion of the agency; and

11 (B) collaborate with other agencies to un-
12 derstand potential environmental threats and
13 safeguards related to engineering biology.

14 (c) DEPARTMENT OF ENERGY.—As part of the Ini-
15 tiative, the Secretary of Energy shall—

16 (1) conduct and support research, development,
17 demonstration, and commercial application activities
18 in engineering biology, including in the areas of syn-
19 thetic biology, advanced biofuel and bioproduct de-
20 velopment, biobased materials, and environmental
21 remediation;

22 (2) support the development, optimization and
23 validation of novel, scalable tools and technologies to
24 enable the dynamic study of molecular processes in
25 situ;

1 (3) provide access to user facilities with ad-
2 vanced or unique equipment, services, materials, and
3 other resources, including secure access to high-per-
4 formance computing, as appropriate, to industry, in-
5 stitutions of higher education, nonprofit organiza-
6 tions, and government agencies to perform research
7 and testing; and

8 (4) strengthen collaboration between the Office
9 of Science and the Energy Efficiency and Renewable
10 Energy Office to help transfer fundamental research
11 results to industry and accelerate commercial appli-
12 cations.

13 (d) NATIONAL AERONAUTICS AND SPACE ADMINIS-
14 TRATION.—As part of the Initiative, the National Aero-
15 nautics and Space Administration shall—

16 (1) conduct and support research in engineering
17 biology, including in synthetic biology, and related to
18 Earth and space sciences, aeronautics, space tech-
19 nology, and space exploration and experimentation,
20 consistent with the priorities established in the Na-
21 tional Academies' decadal surveys; and

22 (2) award grants, on a competitive basis, that
23 enable institutions to support graduate students and
24 postdoctoral fellows who perform some of their engi-
25 neering biology research in an industry setting.

1 (e) DEPARTMENT OF AGRICULTURE.—As part of the
2 Initiative, the Secretary of Agriculture shall—

3 (1) support research and development in engi-
4 neering biology, including in synthetic biology and
5 biomaterials;

6 (2) award grants through the National Institute
7 of Food and Agriculture and the Agriculture Ad-
8 vanced Research and Development Authority; and

9 (3) support development conducted by the Agri-
10 cultural Research Service.

11 (f) ENVIRONMENTAL PROTECTION AGENCY.—As
12 part of the Initiative, the Environmental Protection Agen-
13 cy shall support research on how products, processes, and
14 systems of engineering biology will affect or can protect
15 the environment.

16 (g) DEPARTMENT OF HEALTH AND HUMAN SERV-
17 ICES.—As part of the Initiative, the Secretary of Health
18 and Human Services, as appropriate and consistent with
19 activities of the Department of Health and Human Serv-
20 ices in effect on the day before the date of the enactment
21 of this Act, shall—

22 (1) support research and development to ad-
23 vance the understanding and application of engineer-
24 ing biology for human health;

1 (2) support relevant interdisciplinary research
2 and coordination; and

3 (3) support activities necessary to facilitate
4 oversight of relevant emerging biotechnologies.

5 **SEC. 10408. RULE OF CONSTRUCTION.**

6 Nothing in this title shall be construed to require
7 public disclosure of information that is exempt from man-
8 datory disclosure under section 552 of title 5, United
9 States Code.

10 **TITLE V—BROADENING**
11 **PARTICIPATION IN SCIENCE**
12 **Subtitle A—STEM Opportunities**

13 **SEC. 10501. FINDINGS.**

14 The Congress finds the following:

15 (1) Many reports over the past decade have
16 found that it is critical to our Nation’s economic
17 leadership and global competitiveness that the
18 United States educates and trains more scientists
19 and engineers.

20 (2) Research shows that women and minorities
21 who are interested in STEM careers are dispropor-
22 tionately lost at nearly every educational transition
23 and at every career milestone.

24 (3) The National Center for Science and Engi-
25 neering Statistics at the National Science Founda-

1 tion collects, compiles, analyzes, and publishes data
2 on the demographics of STEM degrees and STEM
3 jobs in the United States.

4 (4) Women now earn nearly 37 percent of all
5 STEM bachelor's degrees, but major variations per-
6 sist among fields. In 2017, women earned only 20
7 percent of all bachelor's degrees awarded in engi-
8 neering and 19 percent of bachelor's degrees award-
9 ed in computer sciences. Based on Bureau of Labor
10 Statistics data, jobs in computing occupations are
11 expected to account for nearly 60 percent of the pro-
12 jected annual growth of newly created STEM job
13 openings from 2016 to 2026.

14 (5) In 2017, underrepresented minority groups
15 comprised 39 percent of the college-age population
16 of the United States, but only 18 percent of stu-
17 dents who earned bachelor's degrees in STEM fields.
18 The Higher Education Research Institute at the
19 University of California, Los Angeles, found that,
20 while freshmen from underrepresented minority
21 groups express an interest in pursuing a STEM un-
22 dergraduate degree at the same rate as all other
23 freshmen, only 22.1 percent of Latino students, 18.4
24 percent of African-American students, and 18.8 per-
25 cent of Native American students studying in STEM

1 fields complete their degree within 5 years, com-
2 pared to approximately 33 percent of White students
3 and 42 percent of Asian students who complete their
4 degree within 5 years.

5 (6) In some STEM fields, including the com-
6 puter sciences, women persist at about the same rate
7 through doctorate degrees. In other STEM fields,
8 women persist through doctorate degrees at a lower
9 rate. In mathematics, women earn just 26 percent of
10 doctorate degrees compared with 42 percent of un-
11 dergraduate degrees. Overall, women earned 38 per-
12 cent of STEM doctorate degrees in 2016. The rate
13 of minority students earning STEM doctorate de-
14 grees in physics is 9 percent, compared with 15 per-
15 cent for bachelor's degree. Students from underrep-
16 resented minority groups accounted for only 11.5
17 percent of STEM doctorate degrees awarded in
18 2016.

19 (7) The representation of women in STEM
20 drops significantly from the doctorate degree level to
21 the faculty level. Overall, women hold only 26 per-
22 cent of all tenured and tenure-track positions and 27
23 percent of full professor positions in STEM fields in
24 our Nation's universities and 4-year colleges. Black
25 and Hispanic faculty together hold about 6.8 percent

1 of all tenured and tenure-track positions and 7.5
2 percent of full professor positions. Many of the num-
3 bers in the American Indian or Alaskan Native and
4 Native Hawaiian or Other Pacific Islander cat-
5 egories for different faculty ranks were too small for
6 the National Science Foundation to report publicly
7 without potentially compromising confidential infor-
8 mation about the individuals being surveyed.

9 (8) The representation of women is especially
10 low at our Nation's top research universities. Even
11 in the biological sciences, in which women now earn
12 more than 50 percent of the doctorates and passed
13 the 25 percent level 37 years ago, women make up
14 only 25 percent of the full professors at the approxi-
15 mately 100 most research-intensive universities in
16 the United States. In the physical sciences and
17 mathematics, women make up only 11 percent of full
18 professors, in computer sciences only 10 percent,
19 and across engineering fields only 7 percent. The
20 data suggest that approximately 6 percent of all ten-
21 ure-track STEM faculty members at the most re-
22 search-intensive universities are from underrep-
23 resented minority groups, but in some fields the
24 numbers are too small to report publicly.

1 (9) By 2050, underrepresented minorities will
2 comprise 52 percent of the college-age population of
3 the United States. If the percentage of female stu-
4 dents and students from underrepresented minority
5 groups earning bachelor's degrees in STEM fields
6 does not significantly increase, the United States
7 will face an acute shortfall in the overall number of
8 students who earn degrees in STEM fields just as
9 United States companies are increasingly seeking
10 students with those skills. With this impending
11 shortfall, the United States will almost certainly lose
12 its competitive edge in the 21st century global econ-
13 omy.

14 (10) According to a 2014 Association for
15 Women in Science survey of over 4,000 scientists
16 across the globe, 70 percent of whom were men,
17 STEM researchers face significant challenges in
18 work-life integration. Researchers in the United
19 States were among the most likely to experience a
20 conflict between work and their personal life at least
21 weekly. One-third of researchers surveyed said that
22 ensuring good work-life integration has negatively
23 impacted their careers, and, of researchers intending
24 to leave their current job within the next year, 9

1 percent indicated it was because they were unable to
2 balance work and life demands.

3 (11) Female students and students from under-
4 represented minority groups at institutions of higher
5 education who see few others “like themselves”
6 among faculty and student populations often do not
7 experience the social integration that is necessary for
8 success in all disciplines, including STEM.

9 (12) One in five children in the United States
10 attend school in a rural community. The data shows
11 that rural students are at a disadvantage with re-
12 spect to STEM readiness. Among STEM-interested
13 students, 17 percent of students in rural high
14 schools and 18 percent of students in town-located
15 high schools meet the ACT STEM Benchmark, com-
16 pared with 33 percent of students in suburban high
17 schools and 27 percent of students in urban high
18 schools.

19 (13) A substantial body of evidence establishes
20 that most people hold implicit biases. Decades of
21 cognitive psychology research reveal that most peo-
22 ple carry prejudices of which they are unaware but
23 that nonetheless play a large role in evaluations of
24 people and their work. Unintentional biases and out-
25 moded institutional structures are hindering the ac-

1 cess and advancement of women, minorities, and
2 other groups historically underrepresented in STEM.

3 (14) Workshops held to educate faculty about
4 unintentional biases have demonstrated success in
5 raising awareness of such biases.

6 (15) In 2012, the Office of Diversity and Equal
7 Opportunity of the National Aeronautics and Space
8 Administration (in this subtitle referred to as
9 “NASA”) completed a report that—

10 (A) is specifically designed to help NASA
11 grant recipients identify why the dearth of
12 women in STEM fields continues and to ensure
13 that it is not due to discrimination; and

14 (B) provides guidance that is usable by all
15 institutions of higher education receiving sig-
16 nificant Federal research funding on how to
17 conduct meaningful self-evaluations of campus
18 culture and policies.

19 (16) The Federal Government provides 55 per-
20 cent of research funding at institutions of higher
21 education and, through its grant-making policies,
22 has had significant influence on institution of higher
23 education policies, including policies related to insti-
24 tutional culture and structure.

1 **SEC. 10502. PURPOSES.**

2 The purposes of this subtitle are as follows:

3 (1) To ensure that Federal science agencies and
4 institutions of higher education receiving Federal re-
5 search and development funding are fully engaging
6 the entire talent pool of the United States.

7 (2) To promote research on, and increase un-
8 derstanding of, the participation and trajectories of
9 women, minorities, and other groups historically
10 underrepresented in STEM studies and careers, in-
11 cluding persons with disabilities, older learners, vet-
12 erans, and rural, poor, and tribal populations, at in-
13 stitutions of higher education and Federal science
14 agencies, including Federal laboratories.

15 (3) To raise awareness within Federal science
16 agencies, including Federal laboratories, and institu-
17 tions of higher education about cultural and institu-
18 tional barriers limiting the recruitment, retention,
19 promotion, and other indicators of participation and
20 achievement of women, minorities, and other groups
21 historically underrepresented in academic and Gov-
22 ernment STEM research careers at all levels.

23 (4) To identify, disseminate, and implement
24 best practices at Federal science agencies, including
25 Federal laboratories, and at institutions of higher
26 education to remove or reduce cultural and institu-

1 tional barriers limiting the recruitment, retention,
2 and success of women, minorities, and other groups
3 historically underrepresented in academic and Gov-
4 ernment STEM research careers.

5 (5) To provide grants to institutions of higher
6 education to recruit, retain, and advance STEM fac-
7 ulty members from underrepresented minority
8 groups and to implement or expand reforms in un-
9 dergraduate STEM education in order to increase
10 the number of students from underrepresented mi-
11 nority groups receiving degrees in these fields.

12 **SEC. 10503. FEDERAL SCIENCE AGENCY POLICIES FOR**
13 **CAREGIVERS.**

14 (a) OSTP GUIDANCE.—Not later than 6 months
15 after the date of enactment of this Act, the Director, in
16 consultation with relevant agencies, shall provide guidance
17 to each Federal science agency to establish policies that—

18 (1) apply to all—

19 (A) research awards granted by such agen-
20 cy; and

21 (B) principal investigators of such research
22 and their trainees, including postdoctoral re-
23 searchers and graduate students, who have
24 caregiving responsibilities, including care for a
25 newborn or newly adopted child and care for an

1 immediate family member who is sick or dis-
2 abled; and

3 (2) provide—

4 (A) flexibility in timing for the initiation of
5 approved research awards granted by such
6 agency;

7 (B) no-cost extensions of such research
8 awards;

9 (C) grant supplements, as appropriate, to
10 research awards for research technicians or
11 equivalent positions to sustain research activi-
12 ties conducted under such awards; and

13 (D) any other appropriate accommodations
14 at the discretion of the director of each such
15 agency.

16 (b) UNIFORMITY OF GUIDANCE.—In providing guid-
17 ance under subsection (a), the Director shall encourage
18 uniformity and consistency in the policies established pur-
19 suant to such guidance across all Federal science agencies.

20 (c) ESTABLISHMENT OF POLICIES.—Consistent with
21 the guidance under subsection (a), Federal science agen-
22 cies shall—

23 (1) maintain or develop and implement policies
24 for individuals described in paragraph (1)(B) of
25 such subsection; and

1 (2) broadly disseminate such policies to current
2 and potential grantees.

3 (d) DATA ON USAGE.—Federal science agencies
4 shall—

5 (1) collect data on the usage of the policies
6 under subsection (c), by gender, at both institutions
7 of higher education and Federal laboratories; and

8 (2) report such data on an annual basis to the
9 Director in such form as required by the Director.

10 **SEC. 10504. COLLECTION AND REPORTING OF DATA ON**
11 **FEDERAL RESEARCH GRANTS.**

12 (a) COLLECTION OF DATA.—

13 (1) IN GENERAL.—Each Federal science agency
14 shall collect, as practicable, with respect to all appli-
15 cations for merit-reviewed research and development
16 grants to institutions of higher education and Fed-
17 eral laboratories supported by that agency, the
18 standardized record-level annual information on de-
19 mographics, primary field, award type, institution
20 type, review rating, budget request, funding out-
21 come, and awarded budget.

22 (2) UNIFORMITY AND STANDARDIZATION.—The
23 Director, in consultation with the Director of the
24 National Science Foundation, shall establish a policy

1 to ensure uniformity and standardization of the data
2 collection required under paragraph (1).

3 (3) RECORD-LEVEL DATA.—

4 (A) REQUIREMENT.—Beginning not later
5 than 2 years after the date of the enactment of
6 this Act, and on an annual basis thereafter,
7 each Federal science agency shall submit to the
8 Director of the National Science Foundation
9 record-level data collected under paragraph (1)
10 in the form required by such Director.

11 (B) PREVIOUS DATA.—As part of the first
12 submission under subparagraph (A), each Fed-
13 eral science agency, to the extent practicable,
14 shall also submit comparable record-level data
15 for the 5 years preceding the date of such sub-
16 mission.

17 (b) REPORTING OF DATA.—The Director of the Na-
18 tional Science Foundation shall publish statistical sum-
19 mary data, as practicable, collected under this section,
20 disaggregated and cross-tabulated by race, ethnicity, gen-
21 der, and years since completion of doctoral degree, includ-
22 ing in conjunction with the National Science Foundation's
23 report required by section 37 of the Science and Tech-
24 nology Equal Opportunities Act (42 U.S.C. 1885d; Public
25 Law 96–516).

1 **SEC. 10505. POLICIES FOR REVIEW OF FEDERAL RESEARCH**
2 **GRANTS.**

3 (a) **IN GENERAL.**—Each Federal science agency shall
4 implement the policy recommendations with respect to re-
5 ducing the impact of implicit bias at Federal science agen-
6 cies and grantee institutions as developed by the Office
7 of Science and Technology Policy in the 2016 report enti-
8 tled “Reducing the Impact of Bias in the STEM Work-
9 force” and any subsequent updates.

10 (b) **PILOT ACTIVITY.**—In consultation with the Na-
11 tional Science Foundation and consistent with policy rec-
12 ommendations referenced in subsection (a), each Federal
13 science agency shall implement a 2-year pilot orientation
14 activity for program officers and members of standing re-
15 view committees to educate reviewers on research related
16 to, and minimize the effects of, implicit bias in the review
17 of extramural and intramural Federal research grants.

18 (c) **ESTABLISHMENT OF POLICIES.**—Drawing upon
19 lessons learned from the pilot activity under subsection
20 (b), each Federal science agency shall maintain or develop
21 and implement evidence-based policies and practices to
22 minimize the effects of implicit bias in the review of extra-
23 mural and intramural Federal research grants.

24 (d) **ASSESSMENT OF POLICIES.**—Federal science
25 agencies shall regularly assess, and amend as necessary,
26 the policies and practices implemented pursuant to sub-

1 section (c) to ensure effective measures are in place to
2 minimize the effects of implicit bias in the review of extra-
3 mural and intramural Federal research grants.

4 **SEC. 10506. COLLECTION OF DATA ON DEMOGRAPHICS OF**
5 **FACULTY.**

6 (a) COLLECTION OF DATA.—

7 (1) IN GENERAL.—Not later than 3 years after
8 the date of enactment of this Act, and at least every
9 5 years thereafter, the Director of the National
10 Science Foundation shall carry out a survey to col-
11 lect data from grantees on the demographics of
12 STEM faculty, by broad fields of STEM, at dif-
13 ferent types of institutions of higher education.

14 (2) CONSIDERATIONS.—To the extent prac-
15 ticable, the Director of the National Science Foun-
16 dation shall consider, by gender, race, ethnicity, citi-
17 zenship status, and years since completion of doc-
18 toral degree—

19 (A) the number and percentage of faculty;

20 (B) the number and percentage of faculty
21 at each rank;

22 (C) the number and percentage of faculty
23 who are in nontenure-track positions, including
24 teaching and research;

1 (D) the number and percentage of faculty
2 who are reviewed for promotion, including ten-
3 ure, and the percentage of that number who are
4 promoted, including being awarded tenure;

5 (E) faculty years in rank;

6 (F) the number and percentage of faculty
7 to leave tenure-track positions;

8 (G) the number and percentage of faculty
9 hired, by rank; and

10 (H) the number and percentage of faculty
11 in leadership positions.

12 (b) EXISTING SURVEYS.—The Director of the Na-
13 tional Science Foundation, may, in modifying or expand-
14 ing existing Federal surveys of higher education (as nec-
15 essary)—

16 (1) take into account the considerations under
17 subsection (a)(2) by collaborating with statistical
18 centers at other Federal agencies; or

19 (2) award a grant or contract to an institution
20 of higher education or other nonprofit organization
21 to take such considerations into account.

22 (c) REPORTING DATA.—The Director of the National
23 Science Foundation shall publish statistical summary data
24 collected under this section, including as part of the Na-
25 tional Science Foundation's report required by section 37

1 of the Science and Technology Equal Opportunities Act
2 (42 U.S.C. 1885d; Public Law 96–516).

3 (d) AUTHORIZATION OF APPROPRIATIONS.—There
4 are authorized to be appropriated to the Director of the
5 National Science Foundation \$3,000,000 in each of fiscal
6 years 2022 through 2024 to develop and carry out the
7 initial survey required under subsection (a).

8 **SEC. 10507. CULTURAL AND INSTITUTIONAL BARRIERS TO**
9 **EXPANDING THE ACADEMIC AND FEDERAL**
10 **STEM WORKFORCE.**

11 (a) BEST PRACTICES AT INSTITUTIONS OF HIGHER
12 EDUCATION AND FEDERAL LABORATORIES.—

13 (1) DEVELOPMENT OF GUIDANCE.—Not later
14 than 12 months after the date of enactment of this
15 Act, the Director, in consultation with the inter-
16 agency working group on inclusion in STEM, shall
17 develop written guidance for institutions of higher
18 education and Federal laboratories on the best prac-
19 tices for—

20 (A) conducting periodic climate surveys of
21 STEM departments and divisions, with a par-
22 ticular focus on identifying any cultural or in-
23 stitutional barriers to the recruitment, reten-
24 tion, or advancement of women, racial and eth-
25 nic minorities, and other groups historically

1 underrepresented in STEM studies and careers;
2 and

3 (B) providing educational opportunities, in-
4 cluding workshops as described in subsection
5 (b), for STEM faculty, research personnel, and
6 administrators to learn about current research
7 on implicit bias in recruitment, evaluation, and
8 promotion of undergraduate and graduate stu-
9 dents and research personnel.

10 (2) EXISTING GUIDANCE.—In developing the
11 guidance under paragraph (1), the Director shall
12 utilize guidance already developed by Federal science
13 agencies.

14 (3) DISSEMINATION OF GUIDANCE.—Federal
15 science agencies shall broadly disseminate the guid-
16 ance developed under paragraph (1) to institutions
17 of higher education that receive Federal research
18 funding and Federal laboratories.

19 (4) ESTABLISHMENT OF POLICIES.—Consistent
20 with the guidance developed under paragraph (1)—

21 (A) the Director of the National Science
22 Foundation shall develop a policy that—

23 (i) applies to, at a minimum, doctoral
24 degree granting institutions that receive
25 Federal research funding; and

1 (ii) requires each such institution, not
2 later than 3 years after the date of enact-
3 ment of this Act, to report to the Director
4 of the National Science Foundation on ac-
5 tivities and policies developed and imple-
6 mented based on the guidance developed
7 under paragraph (1); and

8 (B) each Federal science agency with a
9 Federal laboratory shall maintain or develop
10 and implement practices and policies for the
11 purposes described in paragraph (1) for such
12 laboratory.

13 (b) WORKSHOPS TO ADDRESS CULTURAL BARRIERS
14 TO EXPANDING THE ACADEMIC AND FEDERAL STEM
15 WORKFORCE.—

16 (1) IN GENERAL.—Not later than 6 months
17 after the date of enactment of this Act, the Director,
18 in consultation with the interagency working group
19 on inclusion in STEM, shall recommend a uniform
20 policy for Federal science agencies to carry out a
21 program of workshops that educate STEM depart-
22 ment chairs at institutions of higher education, sen-
23 ior managers at Federal laboratories, and other fed-
24 erally funded researchers about methods that mini-
25 mize the effects of implicit bias in the career ad-

1 vancement, including hiring, tenure, promotion, and
2 selection for any honor based in part on the recipi-
3 ent's research record, of academic and Federal
4 STEM researchers.

5 (2) INTERAGENCY COORDINATION.—The Direc-
6 tor shall, to the extent practicable, ensure that work-
7 shops supported under this subsection are coordi-
8 nated across Federal science agencies and jointly
9 supported as appropriate.

10 (3) MINIMIZING COSTS.—To the extent prac-
11 ticable, workshops shall be held in conjunction with
12 national or regional STEM disciplinary meetings to
13 minimize costs associated with participant travel.

14 (4) PRIORITY FIELDS FOR ACADEMIC PARTICI-
15 PANTS.—In considering the participation of STEM
16 department chairs and other academic researchers,
17 the Director shall prioritize workshops for the broad
18 fields of STEM in which the national rate of rep-
19 resentation of women among tenured or tenure-track
20 faculty or nonfaculty researchers at doctorate-grant-
21 ing institutions of higher education is less than 25
22 percent, according to the most recent data available
23 from the National Center for Science and Engineer-
24 ing Statistics.

1 (5) ORGANIZATIONS ELIGIBLE TO CARRY OUT
2 WORKSHOPS.—A Federal science agency may carry
3 out the program of workshops under this subsection
4 by making grants to organizations made eligible by
5 the Federal science agency and any of the following
6 organizations:

7 (A) Nonprofit scientific and professional
8 societies and organizations that represent one
9 or more STEM disciplines.

10 (B) Nonprofit organizations that have the
11 primary mission of advancing the participation
12 of women, minorities, or other groups histori-
13 cally underrepresented in STEM.

14 (6) CHARACTERISTICS OF WORKSHOPS.—The
15 workshops shall have the following characteristics:

16 (A) Invitees to workshops shall include at
17 least—

18 (i) the chairs of departments in the
19 relevant STEM discipline or disciplines
20 from doctoral degree granting institutions
21 that receive Federal research funding; and

22 (ii) in the case of Federal laboratories,
23 individuals with personnel management re-
24 sponsibilities comparable to those of an in-

1 stitution of higher education department
2 chair.

3 (B) Activities at the workshops shall in-
4 clude research presentations and interactive dis-
5 cussions or other activities that increase the
6 awareness of the existence of implicit bias in re-
7 cruitment, hiring, tenure review, promotion, and
8 other forms of formal recognition of individual
9 achievement for faculty and other federally
10 funded STEM researchers and shall provide
11 strategies to overcome such bias.

12 (C) Research presentations and other
13 workshop programs, as appropriate, shall in-
14 clude a discussion of the unique challenges
15 faced by different underrepresented groups, in-
16 cluding minority women, minority men, persons
17 from rural and underserved areas, persons with
18 disabilities, gender and sexual minority individ-
19 uals, and first generation graduates in research.

20 (D) Workshop programs shall include in-
21 formation on best practices for mentoring un-
22 dergraduate, graduate, and postdoctoral
23 women, minorities, and other students from
24 groups historically underrepresented in STEM.

1 (7) DATA ON WORKSHOPS.—Any proposal for
2 funding by an organization seeking to carry out a
3 workshop under this subsection shall include a de-
4 scription of how such organization will—

5 (A) collect data on the rates of attendance
6 by invitees in workshops, including information
7 on the home institution and department of
8 attendees, and the rank of faculty attendees;

9 (B) conduct attitudinal surveys on work-
10 shop attendees before and after the workshops;
11 and

12 (C) collect follow-up data on any relevant
13 institutional policy or practice changes reported
14 by attendees not later than 1 year after attend-
15 ance in such a workshop.

16 (8) REPORT TO NSF.—Organizations receiving
17 funding to carry out workshops under this sub-
18 section shall report the data required in paragraph
19 (7) to the Director of the National Science Founda-
20 tion in such form as required by such Director.

21 (c) REPORT TO CONGRESS.—Not later than 4 years
22 after the date of enactment of this Act, the Director of
23 the National Science Foundation shall submit a report to
24 Congress that includes—

1 (1) a summary and analysis of the types and
2 frequency of activities and policies developed and
3 carried out under subsection (a) based on the re-
4 ports submitted under paragraph (4) of such sub-
5 section; and

6 (2) a description and evaluation of the status
7 and effectiveness of the program of workshops re-
8 quired under subsection (b), including a summary of
9 any data reported under paragraph (8) of such sub-
10 section.

11 (d) AUTHORIZATION OF APPROPRIATIONS.—There
12 are authorized to be appropriated to the Director of the
13 National Science Foundation \$1,000,000 in each of fiscal
14 years 2022 through 2026 to carry out this section.

15 **SEC. 10508. RESEARCH AND DISSEMINATION AT THE NA-**
16 **TIONAL SCIENCE FOUNDATION.**

17 (a) IN GENERAL.—The Director of the National
18 Science Foundation shall award research grants and carry
19 out dissemination activities consistent with the purposes
20 of this subtitle, including—

21 (1) research grants to analyze the record-level
22 data collected under section 10504 and section
23 10506, consistent with policies to ensure the privacy
24 of individuals identifiable by such data;

1 (2) research grants to study best practices for
2 work-life accommodation;

3 (3) research grants to study the impact of poli-
4 cies and practices that are implemented under this
5 subtitle or that are otherwise consistent with the
6 purposes of this subtitle;

7 (4) collaboration with other Federal science
8 agencies and professional associations to exchange
9 best practices, harmonize work-life accommodation
10 policies and practices, and overcome common bar-
11 riers to work-life accommodation; and

12 (5) collaboration with institutions of higher
13 education in order to clarify and catalyze the adop-
14 tion of a coherent and consistent set of work-life ac-
15 commodation policies and practices.

16 (b) AUTHORIZATION OF APPROPRIATIONS.—There
17 are authorized to be appropriated to the Director of the
18 National Science Foundation \$5,000,000 in each of fiscal
19 years 2022 through 2026 to carry out this section.

20 **SEC. 10509. RESEARCH AND RELATED ACTIVITIES TO EX-**
21 **PAND STEM OPPORTUNITIES.**

22 (a) NATIONAL SCIENCE FOUNDATION SUPPORT FOR
23 INCREASING DIVERSITY AMONG STEM FACULTY AT IN-
24 STITUTIONS OF HIGHER EDUCATION.—Section 305 of the

1 American Innovation and Competitiveness Act (42 U.S.C.
2 1862s-5) is amended—

3 (1) by redesignating subsections (e) and (f) as
4 subsections (f) and (g), respectively; and

5 (2) by inserting after subsection (d) the fol-
6 lowing:

7 “(e) SUPPORT FOR INCREASING DIVERSITY AMONG
8 STEM FACULTY AT INSTITUTIONS OF HIGHER EDU-
9 CATION.—

10 “(1) IN GENERAL.—The Director of the Foun-
11 dation shall award grants to institutions of higher
12 education (or consortia thereof) for the development
13 and assessment of innovative reform efforts designed
14 to increase the recruitment, retention, and advance-
15 ment of individuals from underrepresented minority
16 groups in academic STEM careers.

17 “(2) MERIT REVIEW; COMPETITION.—Grants
18 shall be awarded under this subsection on a merit-
19 reviewed, competitive basis.

20 “(3) USE OF FUNDS.—Activities supported by
21 grants under this subsection may include—

22 “(A) institutional assessment activities,
23 such as data analyses and policy review, in
24 order to identify and address specific issues in
25 the recruitment, retention, and advancement of

1 faculty members from underrepresented minor-
2 ity groups;

3 “(B) implementation of institution-wide
4 improvements in workload distribution, such
5 that faculty members from underrepresented
6 minority groups are not disadvantaged in the
7 amount of time available to focus on research,
8 publishing papers, and engaging in other activi-
9 ties required to achieve tenure status and run
10 a productive research program;

11 “(C) development and implementation of
12 training courses for administrators and search
13 committee members to ensure that candidates
14 from underrepresented minority groups are not
15 subject to implicit biases in the search and hir-
16 ing process;

17 “(D) development and hosting of intra- or
18 inter-institutional workshops to propagate best
19 practices in recruiting, retaining, and advancing
20 faculty members from underrepresented minor-
21 ity groups;

22 “(E) professional development opportuni-
23 ties for faculty members from underrepresented
24 minority groups;

1 “(F) activities aimed at making under-
2 graduate STEM students from underrep-
3 resented minority groups aware of opportunities
4 for academic careers in STEM fields;

5 “(G) activities to identify and engage ex-
6 ceptional graduate students and postdoctoral
7 researchers from underrepresented minority
8 groups at various stages of their studies and to
9 encourage them to enter academic careers; and

10 “(H) other activities consistent with para-
11 graph (1), as determined by the Director of the
12 Foundation.

13 “(4) SELECTION PROCESS.—

14 “(A) APPLICATION.—An institution of
15 higher education (or a consortium of such insti-
16 tutions) seeking funding under this subsection
17 shall submit an application to the Director of
18 the Foundation at such time, in such manner,
19 and containing such information and assur-
20 ances as such Director may require. The appli-
21 cation shall include, at a minimum, a descrip-
22 tion of—

23 “(i) the reform effort that is being
24 proposed for implementation by the insti-
25 tution of higher education;

1 “(ii) any available evidence of specific
2 difficulties in the recruitment, retention,
3 and advancement of faculty members from
4 underrepresented minority groups in
5 STEM academic careers within the institu-
6 tion of higher education submitting an ap-
7 plication, and how the proposed reform ef-
8 fort would address such issues;

9 “(iii) how the institution of higher
10 education submitting an application plans
11 to sustain the proposed reform effort be-
12 yond the duration of the grant; and

13 “(iv) how the success and effective-
14 ness of the proposed reform effort will be
15 evaluated and assessed in order to con-
16 tribute to the national knowledge base
17 about models for catalyzing institutional
18 change.

19 “(B) REVIEW OF APPLICATIONS.—In se-
20 lecting grant recipients under this subsection,
21 the Director of the Foundation shall consider,
22 at a minimum—

23 “(i) the likelihood of success in under-
24 taking the proposed reform effort at the
25 institution of higher education submitting

1 the application, including the extent to
2 which the administrators of the institution
3 are committed to making the proposed re-
4 form effort a priority;

5 “(ii) the degree to which the proposed
6 reform effort will contribute to change in
7 institutional culture and policy such that
8 greater value is placed on the recruitment,
9 retention, and advancement of faculty
10 members from underrepresented minority
11 groups;

12 “(iii) the likelihood that the institu-
13 tion of higher education will sustain or ex-
14 pand the proposed reform effort beyond
15 the period of the grant; and

16 “(iv) the degree to which evaluation
17 and assessment plans are included in the
18 design of the proposed reform effort.

19 “(C) GRANT DISTRIBUTION.—The Director
20 of the Foundation shall ensure, to the extent
21 practicable, that grants awarded under this sec-
22 tion are made to a variety of types of institu-
23 tions of higher education.

24 “(5) AUTHORIZATION OF APPROPRIATIONS.—
25 There are authorized to be appropriated to carry out

1 this subsection \$8,000,000 for each of fiscal years
2 2022 through 2026.”.

3 (b) NATIONAL SCIENCE FOUNDATION SUPPORT FOR
4 BROADENING PARTICIPATION IN UNDERGRADUATE
5 STEM EDUCATION.—Section 305 of the American Inno-
6 vation and Competitiveness Act (42 U.S.C. 1862s–5), as
7 amended by subsection (b), is further amended by insert-
8 ing after subsection (e) the following:

9 “(f) SUPPORT FOR BROADENING PARTICIPATION IN
10 UNDERGRADUATE STEM EDUCATION.—

11 “(1) IN GENERAL.—The Director of the Foun-
12 dation shall award grants to institutions of higher
13 education (or a consortium of such institutions) to
14 implement or expand research-based reforms in un-
15 dergraduate STEM education for the purpose of re-
16 cruiting and retaining students from minority
17 groups who are underrepresented in STEM fields.

18 “(2) MERIT REVIEW; COMPETITION.—Grants
19 shall be awarded under this subsection on a merit-
20 reviewed, competitive basis.

21 “(3) USE OF FUNDS.—Activities supported by
22 grants under this subsection may include—

23 “(A) implementation or expansion of inno-
24 vative, research-based approaches to broaden

1 participation of underrepresented minority
2 groups in STEM fields;

3 “(B) implementation or expansion of
4 bridge, cohort, tutoring, or mentoring pro-
5 grams, including those involving community col-
6 leges and technical schools, designed to enhance
7 the recruitment and retention of students from
8 underrepresented minority groups in STEM
9 fields;

10 “(C) implementation or expansion of out-
11 reach programs linking institutions of higher
12 education and K–12 school systems in order to
13 heighten awareness among pre-college students
14 from underrepresented minority groups of op-
15 portunities in college-level STEM fields and
16 STEM careers;

17 “(D) implementation or expansion of fac-
18 ulty development programs focused on improv-
19 ing retention of undergraduate STEM students
20 from underrepresented minority groups;

21 “(E) implementation or expansion of
22 mechanisms designed to recognize and reward
23 faculty members who demonstrate a commit-
24 ment to increasing the participation of students

1 from underrepresented minority groups in
2 STEM fields;

3 “(F) expansion of successful reforms
4 aimed at increasing the number of STEM stu-
5 dents from underrepresented minority groups
6 beyond a single course or group of courses to
7 achieve reform within an entire academic unit,
8 or expansion of successful reform efforts beyond
9 a single academic unit or field to other STEM
10 academic units or fields within an institution of
11 higher education;

12 “(G) expansion of opportunities for stu-
13 dents from underrepresented minority groups to
14 conduct STEM research in industry, at Federal
15 labs, and at international research institutions
16 or research sites;

17 “(H) provision of stipends for students
18 from underrepresented minority groups partici-
19 pating in research;

20 “(I) development of research collaborations
21 between research-intensive universities and pri-
22 marily undergraduate minority-serving institu-
23 tions;

24 “(J) support for graduate students and
25 postdoctoral fellows from underrepresented mi-

1 nority groups to participate in instructional or
2 assessment activities at primarily under-
3 graduate institutions, including primarily un-
4 dergraduate minority-serving institutions and 2-
5 year institutions of higher education; and

6 “(K) other activities consistent with para-
7 graph (1), as determined by the Director of the
8 Foundation.

9 “(4) SELECTION PROCESS.—

10 “(A) APPLICATION.—An institution of
11 higher education (or a consortia thereof) seek-
12 ing a grant under this subsection shall submit
13 an application to the Director of the Founda-
14 tion at such time, in such manner, and con-
15 taining such information and assurances as
16 such Director may require. The application
17 shall include, at a minimum—

18 “(i) a description of the proposed re-
19 form effort;

20 “(ii) a description of the research
21 findings that will serve as the basis for the
22 proposed reform effort or, in the case of
23 applications that propose an expansion of a
24 previously implemented reform, a descrip-
25 tion of the previously implemented reform

1 effort, including data about the recruit-
2 ment, retention, and academic achievement
3 of students from underrepresented minor-
4 ity groups;

5 “(iii) evidence of an institutional com-
6 mitment to, and support for, the proposed
7 reform effort, including a long-term com-
8 mitment to implement successful strategies
9 from the current reform beyond the aca-
10 demic unit or units included in the grant
11 proposal;

12 “(iv) a description of existing or
13 planned institutional policies and practices
14 regarding faculty hiring, promotion, ten-
15 ure, and teaching assignment that reward
16 faculty contributions to improving the edu-
17 cation of students from underrepresented
18 minority groups in STEM; and

19 “(v) how the success and effectiveness
20 of the proposed reform effort will be evalu-
21 ated and assessed in order to contribute to
22 the national knowledge base about models
23 for catalyzing institutional change.

24 “(B) REVIEW OF APPLICATIONS.—In se-
25 lecting grant recipients under this subsection,

1 the Director of the Foundation shall consider,
2 at a minimum—

3 “(i) the likelihood of success of the
4 proposed reform effort at the institution
5 submitting the application, including the
6 extent to which the faculty, staff, and ad-
7 ministrators of the institution are com-
8 mitted to making the proposed institu-
9 tional reform a priority of the participating
10 academic unit or units;

11 “(ii) the degree to which the proposed
12 reform effort will contribute to change in
13 institutional culture and policy such that
14 greater value is placed on faculty engage-
15 ment in the retention of students from
16 underrepresented minority groups;

17 “(iii) the likelihood that the institu-
18 tion will sustain or expand the proposed
19 reform effort beyond the period of the
20 grant; and

21 “(iv) the degree to which evaluation
22 and assessment plans are included in the
23 design of the proposed reform effort.

24 “(C) GRANT DISTRIBUTION.—The Director
25 of the Foundation shall ensure, to the extent

1 practicable, that grants awarded under this
2 subsection are made to a variety of types of in-
3 stitutions of higher education, including 2-year
4 and minority-serving institutions of higher edu-
5 cation.

6 “(5) EDUCATION RESEARCH.—

7 “(A) IN GENERAL.—All grants made under
8 this subsection shall include an education re-
9 search component that will support the design
10 and implementation of a system for data collec-
11 tion and evaluation of proposed reform efforts
12 in order to build the knowledge base on prom-
13 ising models for increasing recruitment and re-
14 tention of students from underrepresented mi-
15 nority groups in STEM education at the under-
16 graduate level across a diverse set of institu-
17 tions.

18 “(B) DISSEMINATION.—The Director of
19 the Foundation shall coordinate with relevant
20 Federal agencies in disseminating the results of
21 the research under this paragraph to ensure
22 that best practices in broadening participation
23 in STEM education at the undergraduate level
24 are made readily available to all institutions of
25 higher education, other Federal agencies that

1 support STEM programs, non-Federal funders
2 of STEM education, and the general public.

3 “(6) AUTHORIZATION OF APPROPRIATIONS.—

4 There are authorized to be appropriated to carry out
5 this subsection \$15,000,000 for each of fiscal years
6 2022 through 2026.”.

7 **SEC. 10510. TRIBAL COLLEGES AND UNIVERSITIES PRO-**
8 **GRAM.**

9 (a) GRANTS TO BROADEN TRIBAL COLLEGE AND
10 UNIVERSITY STUDENT PARTICIPATION IN COMPUTER
11 SCIENCE.—Section 525 of the America COMPETES Re-
12 authorization Act of 2010 (42 U.S.C. 1862p–13) is
13 amended by inserting after subsection (c) the following:

14 “(d) GRANTS TO BROADEN TRIBAL COLLEGE AND
15 UNIVERSITY STUDENT PARTICIPATION IN COMPUTER
16 SCIENCE.—

17 “(1) IN GENERAL.—The Director, as part of
18 the program authorized under this section, shall
19 award grants on a competitive, merit-reviewed basis
20 to eligible entities to increase the participation of
21 tribal populations in computer science and computa-
22 tional thinking education programs to enable stu-
23 dents to develop skills and competencies in coding,
24 problem-solving, critical thinking, creativity and col-
25 laboration.

1 “(2) PURPOSE.—Grants awarded under this
2 subsection shall support—

3 “(A) research and development needed to
4 bring computer science and computational
5 thinking courses and degrees to tribal colleges
6 and universities;

7 “(B) research and development of instruc-
8 tional materials needed to integrate computer
9 science and computational thinking into pro-
10 grams that are culturally relevant to students
11 attending tribal colleges and universities;

12 “(C) research, development and evaluation
13 of distance education for computer science and
14 computational thinking courses and degree pro-
15 grams for students attending tribal colleges and
16 universities; and

17 “(D) other activities consistent with the
18 activities described in paragraphs (1) through
19 (4) of subsection (b), as determined by the Di-
20 rector.

21 “(3) PARTNERSHIPS.—A tribal college or uni-
22 versity seeking a grant under this subsection, or a
23 consortia thereof, may partner with an institution of
24 higher education or nonprofit organization with dem-

1 onstrated expertise in academic program develop-
2 ment.

3 “(4) COORDINATION.—In carrying out this sub-
4 section, the Director shall consult and cooperate
5 with the programs and policies of other relevant
6 Federal agencies to avoid duplication with and en-
7 hance the effectiveness of the program under this
8 subsection.

9 “(5) AUTHORIZATION OF APPROPRIATIONS.—
10 There are authorized to be appropriated to the Di-
11 rector of the Foundation \$2,000,000 in each of fis-
12 cal years 2022 through 2026 to carry out this sub-
13 section.”.

14 (b) EVALUATION.—

15 (1) IN GENERAL.—Not later than 2 years after
16 the date of enactment of this Act, the Director of
17 the National Science Foundation shall evaluate the
18 grant program authorized under section 525 of the
19 America COMPETES Reauthorization Act of 2010
20 (42 U.S.C. 1862p–13), as amended.

21 (2) REQUIREMENTS.—In conducting the evalua-
22 tion under paragraph (1), the Director of the Na-
23 tional Science Foundation shall, as practicable—

24 (A) use a common set of benchmarks and
25 assessment tools to identify best practices and

1 materials developed or demonstrated by the re-
2 search conducted pursuant to grants programs
3 under section 525 of the America COMPETES
4 Reauthorization Act of 2010 (42 U.S.C.
5 1862p–13);

6 (B) include an assessment of the effective-
7 ness of such grant programs in expanding ac-
8 cess to high quality STEM education, research,
9 and outreach at tribal colleges and universities,
10 as applicable;

11 (C) assess the number of students who
12 participated in such grant programs; and

13 (D) assess the percentage of students par-
14 ticipating in such grant programs who success-
15 fully complete their education programs.

16 (3) REPORT.—Not later than 180 days after
17 the date on which the evaluation under paragraph
18 (1) is completed, the Director of the National
19 Science Foundation shall submit to Congress and
20 make available to the public, a report on the results
21 of the evaluation, including any recommendations for
22 legislative action that could optimize the effective-
23 ness of the grant program authorized under section
24 525 of the America COMPETES Reauthorization
25 Act of 2010, as amended by subsection (a).

1 **SEC. 10511. REPORT TO CONGRESS.**

2 Not later than 4 years after the date of enactment
3 of this Act, the Director shall submit a report to Congress
4 that includes—

5 (1) a description and evaluation of the status
6 and usage of policies implemented pursuant to sec-
7 tion 10503 at all Federal science agencies, including
8 any recommendations for revising or expanding such
9 policies;

10 (2) with respect to efforts to minimize the ef-
11 fects of implicit bias in the review of extramural and
12 intramural Federal research grants under section
13 10505—

14 (A) what steps all Federal science agencies
15 have taken to implement policies and practices
16 to minimize such effects;

17 (B) a description of any significant up-
18 dates to the policies for review of Federal re-
19 search grants required under such section; and

20 (C) any evidence of the impact of such
21 policies on the review or awarding of Federal
22 research grants; and

23 (3) a description and evaluation of the status of
24 institution of higher education and Federal labora-
25 tory policies and practices required under section

1 10507(a), including any recommendations for revis-
2 ing or expanding such policies.

3 **SEC. 10512. MERIT REVIEW.**

4 Nothing in this subtitle shall be construed as altering
5 any intellectual or broader impacts criteria at Federal
6 science agencies for evaluating grant applications.

7 **SEC. 10513. DETERMINATION OF BUDGETARY EFFECTS.**

8 The budgetary effects of this subtitle, for the purpose
9 of complying with the Statutory Pay-As-You-Go Act of
10 2010, shall be determined by reference to the latest state-
11 ment titled “Budgetary Effects of PAYGO Legislation”
12 for this subtitle, submitted for printing in the Congres-
13 sional Record by the Chairman of the House Budget Com-
14 mittee, provided that such statement has been submitted
15 prior to the vote on passage.

16 **SEC. 10514. DEFINITIONS.**

17 In this subtitle:

18 (1) **DIRECTOR.**—The term “Director” means
19 the Director of the Office of Science and Technology
20 Policy.

21 (2) **FEDERAL LABORATORY.**—The term “Fed-
22 eral laboratory” has the meaning given such term in
23 section 4 of the Stevenson-Wydler Technology Inno-
24 vation Act of 1980 (15 U.S.C. 3703).

1 (3) FEDERAL SCIENCE AGENCY.—The term
2 “Federal science agency” means any Federal agency
3 with an annual extramural research expenditure of
4 over \$100,000,000.

5 (4) INSTITUTION OF HIGHER EDUCATION.—The
6 term “institution of higher education” has the
7 meaning given such term in section 101(a) of the
8 Higher Education Act of 1965 (20 U.S.C. 1001(a)).

9 (5) INTERAGENCY WORKING GROUP ON INCLU-
10 SION IN STEM.—The term “interagency working
11 group on inclusion in STEM” means the interagency
12 working group established by section 308 of the
13 American Innovation and Competitiveness Act (42
14 U.S.C. 6626).

15 (6) STEM.—The term “STEM” means science,
16 technology, engineering, and mathematics, including
17 computer science.

18 **Subtitle B—Rural STEM Education** 19 **Research**

20 **SEC. 10521. FINDINGS.**

21 Congress finds the following:

22 (1) The supply of STEM workers is not keeping
23 pace with the rapidly evolving needs of the public
24 and private sector, resulting in a deficit often re-
25 ferred to as a STEM skills shortage.

1 (2) According to the Bureau of Labor Statis-
2 tics, the United States will need one million addi-
3 tional STEM professionals than it is on track to
4 produce in the coming decade.

5 (3) Many STEM occupations offer higher
6 wages, more opportunities for advancement, and a
7 higher degree of job security than non-STEM jobs.

8 (4) The 60,000,000 individuals in the United
9 States who live in rural settings are significantly
10 under-represented in STEM.

11 (5) According to the National Center for Edu-
12 cation Statistics, nine million students in the United
13 States—nearly 20 percent of the total K–12 popu-
14 lation—attend rural schools, and for reasons rang-
15 ing from teacher quality to shortages of resources,
16 these students often have fewer opportunities for
17 high-quality STEM learning than their peers in the
18 Nation’s urban and suburban schools.

19 (6) Rural areas represent one of the most
20 promising, yet underutilized, opportunities for
21 STEM education to impact workforce development
22 and regional innovation, including agriculture.

23 (7) The study of agriculture, food, and natural
24 resources involves biology, engineering, physics,

1 chemistry, math, geology, computer science, and
2 other scientific fields.

3 (8) Employment in computer and information
4 technology occupations is projected to grow 11 per-
5 cent from 2019 to 2029. To help meet this demand,
6 it is important rural students have the opportunity
7 to acquire computing skills through exposure to com-
8 puter science learning in grades Pre-K through 12
9 and in informal learning settings.

10 (9) More than 293,000,000 individuals in the
11 United States use high-speed broadband to work,
12 learn, access healthcare, and operate their busi-
13 nesses, while 19,000,000 individuals in the United
14 States still lack access to high-speed broadband.
15 Rural areas are hardest hit, with over 26 percent of
16 individuals in rural areas in the United States lack-
17 ing access to high-speed broadband compared to 1.7
18 percent of individuals in urban areas in the United
19 States.

20 **SEC. 10522. NIST ENGAGEMENT WITH RURAL COMMU-**
21 **NITIES.**

22 (a) MEP OUTREACH.—Section 25 of the National
23 Institute of Standards and Technology Act (15 U.S.C.
24 278k) is amended—

25 (1) in subsection (c)—

1 (A) in paragraph (6), by striking “commu-
2 nity colleges and area career and technical edu-
3 cation schools” and inserting the following:
4 “secondary schools (as defined in section 8101
5 of the Elementary and Secondary Education
6 Act of 1965 (20 U.S.C. 7801)), community col-
7 leges, and area career and technical education
8 schools, including those in underserved and
9 rural communities,”; and

10 (B) in paragraph (7)—

11 (i) by striking “and local colleges”
12 and inserting the following: “local high
13 schools and local colleges, including those
14 in underserved and rural communities,”;
15 and

16 (ii) by inserting “or other applied
17 learning opportunities” after “apprentice-
18 ships”; and

19 (2) in subsection (d)(3) by striking “, commu-
20 nity colleges, and area career and technical edu-
21 cation schools,” and inserting the following: “and
22 local high schools, community colleges, and area ca-
23 reer and technical education schools, including those
24 in underserved and rural communities,”.

25 (b) RURAL CONNECTIVITY PRIZE COMPETITION.—

1 (1) PRIZE COMPETITION.—Pursuant to section
2 24 of the Stevenson-Wydler Technology Innovation
3 Act of 1980 (15 U.S.C. 3719), the Secretary of
4 Commerce, acting through the Under Secretary of
5 Commerce for Standards and Technology (referred
6 to in this subsection as the “Secretary”), shall, sub-
7 ject to appropriations, carry out a program to award
8 prizes competitively to stimulate research and devel-
9 opment of creative technologies in order to deploy
10 affordable and reliable broadband connectivity to un-
11 derserved rural communities.

12 (2) PLAN FOR DEPLOYMENT IN RURAL COMMU-
13 NITIES.—Each proposal submitted pursuant to para-
14 graph (1) shall include a plan for deployment of the
15 technology that is the subject of such proposal in an
16 underserved rural community.

17 (3) PRIZE AMOUNT.—In carrying out the pro-
18 gram under paragraph (1), the Secretary may award
19 not more than a total of \$5,000,000 to one or more
20 winners of the prize competition.

21 (4) REPORT.—Not later than 60 days after the
22 date on which a prize is awarded under the prize
23 competition, the Secretary shall submit to the rel-
24 evant committees of Congress a report that describes
25 the winning proposal of the prize competition.

1 (5) CONSULTATION.—In carrying out the pro-
2 gram under subsection (a), the Secretary may con-
3 sult with the heads of relevant departments and
4 agencies of the Federal Government.

5 **SEC. 10523. NITR-D BROADBAND WORKING GROUP.**

6 Title I of the High-Performance Computing Act of
7 1991 (15 U.S.C. 5511 et seq.) is amended by adding at
8 the end the following:

9 **“SEC. 103. BROADBAND RESEARCH AND DEVELOPMENT**
10 **WORKING GROUP.**

11 “(a) IN GENERAL.—The Director shall establish a
12 broadband research and development working group to ad-
13 dress national research challenges and opportunities for
14 improving broadband access and adoption across the
15 United States.

16 “(b) ACTIVITIES.—The working group shall identify
17 and coordinate key research priorities for addressing
18 broadband access and adoption, including—

19 “(1) promising research areas;

20 “(2) requirements for data collection and shar-
21 ing;

22 “(3) opportunities for better alignment and co-
23 ordination across Federal agencies and external
24 stakeholders; and

1 “(4) input on the development of new Federal
2 policies and programs to enhance data collection and
3 research.

4 “(c) COORDINATION.—The working group shall co-
5 ordinate, as appropriate, with the Rural Broadband Inte-
6 gration Working Group established under section 6214 of
7 the Agriculture Improvement Act of 2018 (Public Law
8 115–334) and the National Institute of Food and Agri-
9 culture of the Department of Agriculture.

10 “(d) REPORT.—The working group shall report to
11 Congress on their activities as part of the annual report
12 submitted under section 101(a)(2)(D).

13 “(e) SUNSET.—The authority to carry out this sec-
14 tion shall terminate on the date that is 5 years after the
15 date of enactment of the America COMPETES Act of
16 2022.”.

17 **SEC. 10524. NATIONAL ACADEMY OF SCIENCES EVALUA-**
18 **TION.**

19 (a) STUDY.—Not later than 12 months after the date
20 of enactment of this Act, the Director shall enter into an
21 agreement with the National Academy of Sciences under
22 which the National Academy agrees to conduct an evalua-
23 tion and assessment that—

24 (1) evaluates the quality and quantity of cur-
25 rent Federal programming and research directed at

1 examining STEM education for students in grades
2 Pre-K through 12 and workforce development in
3 rural areas;

4 (2) assesses the impact of the scarcity of
5 broadband connectivity in rural communities has on
6 STEM and technical literacy for students in grades
7 Pre-K through 12 in rural areas;

8 (3) assesses the core research and data needed
9 to understand the challenges rural areas are facing
10 in providing quality STEM education and workforce
11 development; and

12 (4) makes recommendations for action at the
13 Federal, State, and local levels for improving STEM
14 education for students in grades Pre-K through 12
15 and workforce development in rural areas.

16 (b) REPORT TO DIRECTOR.—The agreement entered
17 into under subsection (a) shall require the National Acad-
18 emy of Sciences, not later than 24 months after the date
19 of enactment of this Act, to submit to the Director a re-
20 port on the study conducted under such subsection, includ-
21 ing the National Academy’s findings and recommenda-
22 tions.

23 (c) AUTHORIZATION OF APPROPRIATIONS.—There
24 are authorized to be appropriated to the Director to carry
25 out this section \$1,000,000 for fiscal year 2022.

1 **SEC. 10525. GAO REVIEW.**

2 Not later than 3 years after the date of enactment
3 of this Act, the Comptroller General of the United States
4 shall conduct a study on the engagement of rural popu-
5 lations in Federal STEM programs and submit to Con-
6 gress a report that includes—

7 (1) an assessment of how Federal STEM edu-
8 cation programs are serving rural populations;

9 (2) a description of initiatives carried out by
10 Federal agencies that are targeted at supporting
11 STEM education in rural areas;

12 (3) an assessment of what is known about the
13 impact and effectiveness of Federal investments in
14 STEM education programs that are targeted to
15 rural areas; and

16 (4) an assessment of challenges that state and
17 Federal STEM education programs face in reaching
18 rural population centers.

19 **SEC. 10526. CAPACITY BUILDING THROUGH EPSCOR.**

20 Section 517(f)(2) of the America COMPETES Reau-
21 thorization Act of 2010 (42 U.S.C. 1862p–9(f)(2)) is
22 amended—

23 (1) in subparagraph (A), by striking “and” at
24 the end; and

25 (2) by adding at the end the following:

1 “(C) to increase the capacity of rural com-
2 munities to provide quality STEM education
3 and STEM workforce development program-
4 ming to students, and teachers; and”.

5 **SEC. 10527. NATIONAL SCIENCE FOUNDATION RURAL STEM**
6 **RESEARCH ACTIVITIES.**

7 (a) PREPARING RURAL STEM EDUCATORS.—

8 (1) IN GENERAL.—The Director shall provide
9 grants on a merit-reviewed, competitive basis to in-
10 stitutions of higher education or nonprofit organiza-
11 tions (or a consortium thereof) for research and de-
12 velopment to advance innovative approaches to sup-
13 port and sustain high-quality STEM teaching in
14 rural schools.

15 (2) USE OF FUNDS.—

16 (A) IN GENERAL.—Grants awarded under
17 this section shall be used for the research and
18 development activities referred to in paragraph
19 (1), which may include—

20 (i) engaging rural educators of stu-
21 dents in grades Pre-K through 12 in pro-
22 fessional learning opportunities to enhance
23 STEM knowledge, including computer
24 science, and develop best practices;

1 (ii) supporting research on effective
2 STEM teaching practices in rural settings,
3 including the use of rubrics and mastery-
4 based grading practices to assess student
5 performance when employing the transdis-
6 ciplinary teaching approach for STEM dis-
7 ciplines;

8 (iii) designing and developing pre-
9 service and in-service training resources to
10 assist such rural educators in adopting
11 transdisciplinary teaching practices across
12 STEM courses;

13 (iv) coordinating with local partners
14 to adapt STEM teaching practices to lever-
15 age local natural and community assets in
16 order to support in-place learning in rural
17 areas;

18 (v) providing hands-on training and
19 research opportunities for rural educators
20 described in clause (i) at Federal Labora-
21 tories, institutions of higher education, or
22 in industry;

23 (vi) developing training and best prac-
24 tices for educators who teach multiple
25 grade levels within a STEM discipline;

1 (vii) designing and implementing pro-
2 fessional development courses and experi-
3 ences, including mentoring, for rural edu-
4 cators described in clause (i) that combine
5 face-to-face and online experiences; and

6 (viii) any other activity the Director
7 determines will accomplish the goals of this
8 subsection.

9 (B) RURAL STEM COLLABORATIVE.—The
10 Director may establish a pilot program of re-
11 gional cohorts in rural areas that will provide
12 peer support, mentoring, and hands-on research
13 experiences for rural STEM educators of stu-
14 dents in grades Pre-K through 12, in order to
15 build an ecosystem of cooperation among edu-
16 cators, researchers, academia, and local indus-
17 try.

18 (b) BROADENING PARTICIPATION OF RURAL STU-
19 DENTS IN STEM.—

20 (1) IN GENERAL.—The Director shall provide
21 grants on a merit-reviewed, competitive basis to in-
22 stitutions of higher education or nonprofit organiza-
23 tions (or a consortium thereof) for—

1 (A) research and development of program-
2 ming to identify the barriers rural students face
3 in accessing high-quality STEM education; and

4 (B) development of innovative solutions to
5 improve the participation and advancement of
6 rural students in grades Pre-K through 12 in
7 STEM studies.

8 (2) USE OF FUNDS.—

9 (A) IN GENERAL.—Grants awarded under
10 this section shall be used for the research and
11 development activities referred to in paragraph
12 (1), which may include—

13 (i) developing partnerships with com-
14 munity colleges to offer advanced STEM
15 course work, including computer science, to
16 rural high school students;

17 (ii) supporting research on effective
18 STEM practices in rural settings;

19 (iii) implementing a school-wide
20 STEM approach;

21 (iv) improving the National Science
22 Foundation's Advanced Technology Edu-
23 cation program's coordination and engage-
24 ment with rural communities;

1 (v) collaborating with existing commu-
2 nity partners and networks, such as the co-
3 operative research and extension services
4 of the Department of Agriculture and
5 youth serving organizations like 4–H, after
6 school STEM programs, and summer
7 STEM programs, to leverage community
8 resources and develop place-based pro-
9 gramming;

10 (vi) connecting rural school districts
11 and institutions of higher education, to im-
12 prove precollegiate STEM education and
13 engagement;

14 (vii) supporting partnerships that
15 offer hands-on inquiry-based science activi-
16 ties, including coding, and access to lab re-
17 sources for students studying STEM in
18 grades Pre-K through 12 in a rural area;

19 (viii) evaluating the role of broadband
20 connectivity and its associated impact on
21 the STEM and technology literacy of rural
22 students;

23 (ix) building capacity to support ex-
24 tracurricular STEM programs in rural
25 schools, including mentor-led engagement

1 programs, STEM programs held during
2 nonschool hours, STEM networks, maker-
3 spaces, coding activities, and competitions;
4 and

5 (x) any other activity the Director de-
6 termines will accomplish the goals of this
7 subsection.

8 (c) APPLICATION.—An applicant seeking a grant
9 under subsection (a) or (b) shall submit an application at
10 such time, in such manner, and containing such informa-
11 tion as the Director may require. The application may in-
12 clude the following:

13 (1) A description of the target population to be
14 served by the research activity or activities for which
15 such grant is sought.

16 (2) A description of the process for recruitment
17 and selection of students, educators, or schools from
18 rural areas to participate in such activity or activi-
19 ties.

20 (3) A description of how such activity or activi-
21 ties may inform efforts to promote the engagement
22 and achievement of rural students in grades Pre-K
23 through 12 in STEM studies.

24 (4) In the case of a proposal consisting of a
25 partnership or partnerships with one or more rural

1 schools and one or more researchers, a plan for es-
2 tablishing a sustained partnership that is jointly de-
3 veloped and managed, draws from the capacities of
4 each partner, and is mutually beneficial.

5 (d) PARTNERSHIPS.—In awarding grants under sub-
6 section (a) or (b), the Director shall—

7 (1) encourage applicants which, for the purpose
8 of the activity or activities funded through the grant,
9 include or partner with a nonprofit organization or
10 an institution of higher education (or a consortium
11 thereof) that has extensive experience and expertise
12 in increasing the participation of rural students in
13 grades Pre-K through 12 in STEM;

14 (2) encourage applicants which, for the purpose
15 of the activity or activities funded through the grant,
16 include or partner with a consortium of rural schools
17 or rural school districts; and

18 (3) encourage applications which, for the pur-
19 pose of the activity or activities funded through the
20 grant, include commitments from school principals
21 and administrators to making reforms and activities
22 proposed by the applicant a priority.

23 (e) EVALUATIONS.—All proposals for grants under
24 subsections (a) and (b) shall include an evaluation plan
25 that includes the use of outcome oriented measures to as-

1 sess the impact and efficacy of the grant. Each recipient
2 of a grant under this section shall include results from
3 these evaluative activities in annual and final projects.

4 (f) ACCOUNTABILITY AND DISSEMINATION.—

5 (1) EVALUATION REQUIRED.—The Director
6 shall evaluate the portfolio of grants awarded under
7 subsections (a) and (b). Such evaluation shall—

8 (A) use a common set of benchmarks and
9 tools to assess the results of research conducted
10 under such grants and identify best practices;
11 and

12 (B) to the extent practicable, integrate the
13 findings of research resulting from the activity
14 or activities funded through such grants with
15 the findings of other research on rural student’s
16 pursuit of degrees or careers in STEM.

17 (2) REPORT ON EVALUATIONS.—Not later than
18 180 days after the completion of the evaluation
19 under paragraph (1), the Director shall submit to
20 Congress and make widely available to the public a
21 report that includes—

22 (A) the results of the evaluation; and

23 (B) any recommendations for administra-
24 tive and legislative action that could optimize

1 the effectiveness of the grants awarded under
2 this section.

3 (g) REPORT BY COMMITTEE ON EQUAL OPPORTUNI-
4 TIES IN SCIENCE AND ENGINEERING.—

5 (1) IN GENERAL.—As part of the first report
6 required by section 36(e) of the Science and Engi-
7 neering Equal Opportunities Act (42 U.S.C.
8 1885c(e)) transmitted to Congress after the date of
9 enactment of this Act, the Committee on Equal Op-
10 portunities in Science and Engineering shall in-
11 clude—

12 (A) a description of past and present poli-
13 cies and activities of the Foundation to encour-
14 age full participation of students in rural com-
15 munities in science, mathematics, engineering,
16 and computer science fields; and

17 (B) an assessment of trends in participa-
18 tion of rural students in grades Pre-K through
19 12 in Foundation activities, and an assessment
20 of the policies and activities of the Foundation,
21 along with proposals for new strategies or the
22 broadening of existing successful strategies to-
23 wards facilitating the goals of this subtitle.

24 (2) TECHNICAL CORRECTION.—

1 (A) IN GENERAL.—Section 313 of the
2 American Innovation and Competitiveness Act
3 (Public Law 114–329) is amended by striking
4 “Section 204(e) of the National Science Foun-
5 dation Authorization Act of 1988” and insert-
6 ing “Section 36(e) of the Science and Engineer-
7 ing Equal Opportunities Act”.

8 (B) APPLICABILITY.—The amendment
9 made by paragraph (1) shall take effect as if
10 included in the enactment of section 313 of the
11 American Innovation and Competitiveness Act
12 (Public Law 114–329).

13 (h) COORDINATION.—In carrying out this section, the
14 Director shall, for purposes of enhancing program effec-
15 tiveness and avoiding duplication of activities, consult, co-
16 operate, and coordinate with the programs and policies of
17 other relevant Federal agencies.

18 (i) AUTHORIZATION OF APPROPRIATIONS.—There
19 are authorized to be appropriated to the Director—

20 (1) \$8,000,000 to carry out the activities under
21 subsection (a) for each of fiscal years 2022 through
22 2026; and

23 (2) \$12,000,000 to carry out the activities
24 under subsection (b) for each of fiscal years 2022
25 through 2026.

1 **SEC. 10528. RESEARCHING OPPORTUNITIES FOR ONLINE**
2 **EDUCATION.**

3 (a) **IN GENERAL.**—The Director shall, subject to ap-
4 propriations, award competitive grants to institutions of
5 higher education or nonprofit organizations (or a consor-
6 tium thereof, which may include a private sector partner)
7 to conduct research on online STEM education courses for
8 rural communities.

9 (b) **RESEARCH AREAS.**—The research areas eligible
10 for funding under this subsection shall include—

11 (1) evaluating the learning and achievement of
12 rural students in grades Pre-K through 12 in STEM
13 subjects;

14 (2) understanding how computer-based and on-
15 line professional development courses and mentor ex-
16 periences can be integrated to meet the needs of
17 educators of rural students in grades Pre-K through
18 12;

19 (3) combining computer-based and online
20 STEM education and training with apprenticeships,
21 mentoring, or other applied learning arrangements;

22 (4) leveraging online programs to supplement
23 STEM studies for rural students that need physical
24 and academic accommodation; and

25 (5) any other activity the Director determines
26 will accomplish the goals of this subsection.

1 (c) EVALUATIONS.—All proposals for grants under
2 this section shall include an evaluation plan that includes
3 the use of outcome oriented measures to assess the impact
4 and efficacy of the grant. Each recipient of a grant under
5 this section shall include results from these evaluative ac-
6 tivities in annual and final projects.

7 (d) ACCOUNTABILITY AND DISSEMINATION.—

8 (1) EVALUATION REQUIRED.—The Director
9 shall evaluate the portfolio of grants awarded under
10 this section. Such evaluation shall—

11 (A) use a common set of benchmarks and
12 tools to assess the results of research conducted
13 under such grants and identify best practices;
14 and

15 (B) to the extent practicable, integrate
16 findings from activities carried out pursuant to
17 research conducted under this section, with re-
18 spect to the pursuit of careers and degrees in
19 STEM, with those activities carried out pursu-
20 ant to other research on serving rural students
21 and communities.

22 (2) REPORT ON EVALUATIONS.—Not later than
23 180 days after the completion of the evaluation
24 under paragraph (1), the Director shall submit to

1 Congress and make widely available to the public a
2 report that includes—

3 (A) the results of the evaluation; and

4 (B) any recommendations for administra-
5 tive and legislative action that could optimize
6 the effectiveness of the grants awarded under
7 this section.

8 (e) COORDINATION.—In carrying out this section, the
9 Director shall, for purposes of enhancing program effec-
10 tiveness and avoiding duplication of activities, consult, co-
11 operate, and coordinate with the programs and policies of
12 other relevant Federal agencies.

13 **SEC. 10529. DEFINITIONS.**

14 In this subtitle:

15 (1) DIRECTOR.—The term “Director” means
16 the Director of the National Science Foundation es-
17 tablished under section 2 of the National Science
18 Foundation Act of 1950 (42 U.S.C. 1861).

19 (2) FEDERAL LABORATORY.—The term “Fed-
20 eral laboratory” has the meaning given such term in
21 section 4 of the Stevenson-Wydler Technology Inno-
22 vation Act of 1980 (15 U.S.C. 3703).

23 (3) FOUNDATION.—The term “Foundation”
24 means the National Science Foundation established

1 under section 2 of the National Science Foundation
2 Act of 1950 (42 U.S.C. 1861).

3 (4) INSTITUTION OF HIGHER EDUCATION.—The
4 term “institution of higher education” has the
5 meaning given such term in section 101(a) of the
6 Higher Education Act of 1965 (20 U.S.C. 1001(a)).

7 (5) STEM.—The term “STEM” has the mean-
8 ing given the term in section 2 of the America COM-
9 PETES Reauthorization Act of 2010 (42 U.S.C.
10 6621 note).

11 (6) STEM EDUCATION.—The term “STEM
12 education” has the meaning given the term in sec-
13 tion 2 of the STEM Education Act of 2015 (42
14 U.S.C. 6621 note).

15 **Subtitle C—MSI STEM**

16 **Achievement**

17 **SEC. 10531. FINDINGS.**

18 Congress makes the following findings:

19 (1) Evidence suggests that the supply of STEM
20 workers is not keeping pace with the rapidly evolving
21 needs of the public and private sector, resulting in
22 a deficit often referred to as a STEM skills short-
23 age.

24 (2) According to the Bureau of Labor Statis-
25 tics, the United States will need one million addi-

1 tional STEM professionals than it is on track to
2 produce in the coming decade.

3 (3) STEM occupations offer higher wages, more
4 opportunities for advancement, and a higher degree
5 of job security than non-STEM occupations.

6 (4) The composition of the STEM workforce
7 does not reflect the current or projected diversity of
8 the Nation, with Hispanics, African Americans, and
9 other racial and ethnic minorities, significantly
10 underrepresented in the STEM workforce compared
11 to their presence in the workforce more generally.

12 (5) A stronger national commitment to increas-
13 ing the diversity of the STEM workforce is needed
14 to help address the STEM skills shortage.

15 (6) According to a 2019 National Academies of
16 Sciences, Engineering, and Medicine report entitled
17 “Minority Serving Institutions: America’s Underuti-
18 lized Resource for Strengthening the STEM Work-
19 force”, 2- and 4-year minority serving institutions
20 enroll nearly 30 percent of all undergraduate stu-
21 dents—a percentage that is expected to grow in the
22 coming years—in the United States higher education
23 system and play a critical role in providing impor-
24 tant pathways to STEM-related education, training,
25 and careers for students of color.

1 (7) HBCUs, TCUs, and MSIs are highly suc-
2 cessful at educating underrepresented minority stu-
3 dents in STEM fields and can serve as best practice
4 models for other colleges and universities to further
5 expand participation of underrepresented minorities
6 in the STEM workforce.

7 (8) Increased investment in STEM infrastruc-
8 ture at HBCUs, TCUs, and MSIs has the potential
9 to increase these institutions' ability to educate even
10 more students in the STEM disciplines.

11 (9) With the demand for STEM skills exceeding
12 the supply of STEM graduates, success of HBCUs,
13 TCUs, and MSIs in educating and training science
14 and engineering leaders is increasingly important for
15 United States economic growth and competitiveness.

16 **SEC. 10532. GOVERNMENT ACCOUNTABILITY OFFICE RE-**
17 **VIEW.**

18 Not later than 3 years after the date of enactment
19 of this Act, the Comptroller General of the United States
20 shall report to Congress—

21 (1) an inventory of competitive funding pro-
22 grams and initiatives carried out by Federal science
23 agencies that are targeted to HBCUs, TCUs, and
24 MSIs or partnerships with HBCUs, TCUs, and
25 MSIs;

1 (2) an assessment of Federal science agency
2 outreach activities to increase the participation and
3 competitiveness of HBCUs, TCUs, and MSIs in the
4 funding programs and initiatives identified in para-
5 graph (1); and

6 (3) recommendations of the Comptroller Gen-
7 eral to increase the participation of and the rate of
8 success of HBCUs, TCUs, and MSIs in competitive
9 funding programs offered by Federal science agen-
10 cies.

11 **SEC. 10533. RESEARCH AND CAPACITY BUILDING.**

12 (a) IN GENERAL.—The Director of the National
13 Science Foundation shall award grants, on a competitive
14 basis, to institutions of higher education or nonprofit orga-
15 nizations (or consortia thereof) to—

16 (1) conduct research described in subsection (b)
17 with respect to HBCUs, TCUs, and MSIs;

18 (2) conduct activities described in subsection (c)
19 to build the capacity of HBCUs, TCUs, and MSIs
20 to graduate students who are competitive in attain-
21 ing and advancing in the STEM workforce;

22 (3) build the research capacity and competitive-
23 ness of HBCUs, TCUs, and MSIs in STEM dis-
24 ciplines; and

1 (4) identify and broadly disseminate effective
2 models for programs and practices at HBCUs,
3 TCUs, and MSIs that promote the education and
4 workforce preparation of minority students pursuing
5 STEM studies and careers in which such students
6 are underrepresented.

7 (b) RESEARCH.—Research described in this sub-
8 section is research on the contribution of HBCUs, TCUs,
9 and MSIs to the education and training of underrep-
10 resented minority students in STEM fields and to the
11 meeting of national STEM workforce needs, including—

12 (1) the diversity with respect to local context,
13 cultural differences, and institutional structure
14 among HBCUs, TCUs, and MSIs and any associ-
15 ated impact on education and research endeavors;

16 (2) effective practices at HBCUs, TCUs, and
17 MSIs and associated outcomes on student recruit-
18 ment, retention, and advancement in STEM fields,
19 including the ability for students to compete for fel-
20 lowships, employment, and advancement in the
21 workforce;

22 (3) contributions made by HBCUs, TCUs, and
23 MSIs to local, regional, and national workforces;

24 (4) the unique challenges and opportunities for
25 HBCUs, TCUs, and MSIs in attaining the resources

1 needed for integrating effective practices in STEM
2 education, including providing research experiences
3 for underrepresented minority students;

4 (5) the access of students at HBCUs, TCUs,
5 and MSIs to STEM infrastructure and any associ-
6 ated outcomes for STEM competency;

7 (6) models of STEM curriculum, learning, and
8 teaching successful at HBCUs, TCUs, and MSIs for
9 increasing participation, retention, and success of
10 underrepresented minority students; and

11 (7) successful or promising partnerships be-
12 tween HBCUs, TCUs, and MSIs and other institu-
13 tions of higher education, private sector and non-
14 profit organizations, Federal laboratories, and inter-
15 national research institutions.

16 (c) CAPACITY BUILDING.—Activities described in this
17 subsection include the design, development, implementa-
18 tion, expansion, and assessment of—

19 (1) metrics of success to best capture the
20 achievements of HBCUs, TCUs, and MSIs and stu-
21 dents of such institutions to account for institutional
22 context and missions, faculty investment, student
23 populations, student needs, and institutional re-
24 source constraints;

1 (2) enhancements to undergraduate STEM cur-
2 riculum at HBCUs, TCUs, and MSIs to increase the
3 participation, retention, degree completion, and suc-
4 cess of underrepresented students;

5 (3) professional development programs to in-
6 crease the numbers and the high-quality preparation
7 of STEM faculty at HBCUs, TCUs, and MSIs, in-
8 cluding programs to encourage STEM doctoral stu-
9 dents to teach at HBCUs, TCUs, and MSIs; and

10 (4) mechanisms for institutions of higher edu-
11 cation that are not HBCUs, TCUs, or MSIs to part-
12 ner with HBCUs, TCUs, and MSIs on STEM edu-
13 cation, including the facilitation of student transfer,
14 mentoring programs for students and junior faculty,
15 joint research projects, and student access to grad-
16 uate education.

17 (d) RESEARCH EXPERIENCES.—Grants under this
18 section may fund the development or expansion of oppor-
19 tunities for the exchange of students and faculty to con-
20 duct research, including through partnerships with institu-
21 tions of higher education that are not HBCUs, TCUs, or
22 MSIs, private sector and non-profit organizations, Federal
23 laboratories, and international research institutions.

1 (e) PARTNERSHIPS.—In awarding grants under this
2 section, the Director of the National Science Foundation
3 shall—

4 (1) encourage HBCUs, TCUs, and MSIs and
5 consortia thereof and partnerships with one or more
6 HBCU, TCU, or MSI, to submit proposals;

7 (2) require proposals submitted in partnership
8 with one or more HBCU, TCU, or MSI include a
9 plan for establishing a sustained partnership that is
10 jointly developed and managed, draws from the ca-
11 pacities of each institution, and is mutually bene-
12 ficial; and

13 (3) encourage proposals submitted in partner-
14 ship with the private sector, non-profit organiza-
15 tions, Federal laboratories, and international re-
16 search institutions, as appropriate.

17 (f) MSI CENTERS OF INNOVATION.—Grants under
18 this section may fund the establishment of no more than
19 five MSI Centers of Innovation to leverage successes of
20 HBCUs, TCUs, and MSIs in STEM education and re-
21 search training of underrepresented minority students as
22 models for other institutions, including both HBCUs,
23 TCUs, and MSIs and institutions of higher education that
24 are not HBCUs, TCUs, or MSIs. Such centers will be lo-
25 cated on campuses of selected institutions of higher edu-

1 cation and serve as incubators to allow institutions of
2 higher education to experiment, pilot, evaluate, and scale
3 up promising practices.

4 (g) AUTHORIZATION OF APPROPRIATIONS.—There
5 are authorized to be appropriated to the Director of the
6 National Science Foundation \$170,000,000 for fiscal year
7 2022, \$175,000,000 for fiscal year 2023, \$180,000,000
8 for fiscal year 2024, \$185,000,000 for fiscal year 2025,
9 and \$190,000,000 fiscal year 2026 to carry out this sec-
10 tion.

11 **SEC. 10534. AGENCY RESPONSIBILITIES.**

12 (a) IN GENERAL.—In consultation with outside
13 stakeholders and the heads of the Federal science agen-
14 cies, the Director shall develop a uniform set of policy
15 guidelines for Federal science agencies to carry out a sus-
16 tained program of outreach activities to increase clarity,
17 transparency, and accountability for Federal science agen-
18 cy investments in STEM education and research activities
19 at HBCUs, TCUs, and MSIs.

20 (b) OUTREACH ACTIVITIES.—In developing policy
21 guidelines under subsection (a) the Director shall include
22 guidelines that require each Federal science agency—

23 (1) to designate a liaison for HBCUs, TCUs,
24 and MSIs responsible for—

1 (A) enhancing direct communication with
2 HBCUs, TCUs, and MSIs to increase the Fed-
3 eral science agency's understanding of the ca-
4 pacity and needs of such institutions and to
5 raise awareness of available Federal funding op-
6 portunities at such institutions;

7 (B) coordinating programs, activities, and
8 initiatives while accounting for the capacity and
9 needs of HBCUs, TCUs, and MSIs;

10 (C) tracking Federal science agency invest-
11 ments in and engagement with HBCUs, TCUs,
12 and MSIs; and

13 (D) reporting progress toward increasing
14 participation of HBCUs, TCUs, and MSIs in
15 grant programs;

16 (2) to publish annual forecasts of funding op-
17 portunities and proposal deadlines, including for
18 grants, contracts, subcontracts, and cooperative
19 agreements;

20 (3) to conduct on-site reviews of research facili-
21 ties at HBCUs, TCUs, and MSIs, as practicable,
22 and make recommendations regarding strategies for
23 becoming more competitive in research;

24 (4) to hold geographically accessible or virtual
25 workshops on research priorities of the Federal

1 science agency and on how to write competitive
2 grant proposals;

3 (5) to ensure opportunities for HBCUs, TCUs,
4 and MSIs to directly communicate with Federal
5 science agency officials responsible for managing
6 competitive grant programs in order to receive feed-
7 back on research ideas and proposals, including
8 guidance on the Federal science agency's peer review
9 process;

10 (6) to foster mutually beneficial public-private
11 collaboration among Federal science agencies, indus-
12 try, Federal laboratories, academia, and nonprofit
13 organizations to—

14 (A) identify alternative sources of funding
15 for STEM education and research at HBCUs,
16 TCUs, and MSIs;

17 (B) provide access to high-quality, relevant
18 research experiences for students and faculty of
19 HBCUs, TCUs, and MSIs;

20 (C) expand the professional networks of
21 students and faculty of HBCUs, TCUs, and
22 MSIs;

23 (D) broaden STEM educational opportuni-
24 ties for students and faculty of HBCUs, TCUs,
25 and MSIs; and

1 (E) support the transition of students of
2 HBCUs, TCUs, and MSIs into the STEM
3 workforce; and

4 (7) to publish an annual report that provides an
5 account of Federal science agency investments in
6 HBCUs, TCUs, and MSIs, including data on the
7 level of participation of HBCUs, TCUs, and MSIs
8 as prime recipients/contractors or subrecipients/sub-
9 contractors.

10 (c) STRATEGIC PLAN.—

11 (1) IN GENERAL.—Not later than 1 year after
12 the date of enactment of this Act, the Director, in
13 collaboration with the head of each Federal science
14 agency, shall submit to Congress a report containing
15 a strategic plan for each Federal science agency to
16 increase the capacity of HBCUs, TCUs, and MSIs
17 to compete effectively for grants, contracts, or coop-
18 erative agreements and to encourage HBCUs,
19 TCUs, and MSIs to participate in Federal programs.

20 (2) CONSIDERATIONS.—In developing a stra-
21 tegic plan under paragraph (1), the Director and
22 each head of each Federal science agency shall con-
23 sider—

1 (A) issuing new or expanding existing
2 funding opportunities targeted to HBCUs,
3 TCUs, and MSIs;

4 (B) modifying existing research and devel-
5 opment program solicitations to incentivize ef-
6 fective partnerships with HBCUs, TCUs, and
7 MSIs;

8 (C) offering planning grants for HBCUs,
9 TCUs, and MSIs to develop or equip grant of-
10 fices with the requisite depth of knowledge to
11 submit competitive grant proposals and manage
12 awarded grants;

13 (D) offering additional training programs
14 and individualized and timely guidance to grant
15 officers faculty and postdoctoral researchers at
16 HBCUs, TCUs, and MSIs to ensure they un-
17 derstand the requirements for an effective grant
18 proposal; and

19 (E) other approaches for making current
20 competitive funding models more accessible for
21 under-resourced HBCUs, TCUs, and MSIs.

22 (d) REPORT TO CONGRESS.—Not later than 2 years
23 after the date of enactment of this Act, and every 5 years
24 thereafter, the Director shall report to Congress on the

1 implementation by Federal science agencies of the policy
2 guidelines developed under this section.

3 **SEC. 10535. DEFINITIONS.**

4 In this subtitle:

5 (1) DIRECTOR.—The term “Director” means
6 the Director of the Office of Science and Technology
7 Policy.

8 (2) FEDERAL LABORATORY.—The term “Fed-
9 eral laboratory” has the meaning given such term in
10 section 4 of the Stevenson-Wydler Technology Inno-
11 vation Act of 1980 (15 U.S.C. 3703).

12 (3) FEDERAL SCIENCE AGENCY.—The term
13 “Federal science agency” means any Federal agency
14 with an annual extramural research expenditure of
15 over \$100,000,000.

16 (4) HBCU.—The term “HBCU” has the mean-
17 ing given the term “part B institution” in section
18 322 of the Higher Education Act of 1965 (20
19 U.S.C. 1061).

20 (5) INSTITUTION OF HIGHER EDUCATION.—The
21 term “institution of higher education” has the
22 meaning given such term in section 101 of the High-
23 er Education Act of 1965 (20 U.S.C. 1001).

24 (6) MINORITY SERVING INSTITUTION.—The
25 term “minority serving institution” or “MSI” means

1 Hispanic-Serving Institutions as defined in section
2 502 of the Higher Education Act of 1965 (20
3 U.S.C. 1101a); Alaska Native Serving Institutions
4 and Native Hawaiian-Serving Institutions as defined
5 in section 317 of the Higher Education Act of 1965
6 (20 U.S.C. 1059d); and Predominantly Black Insti-
7 tutions, Asian American and Native American Pa-
8 cific Islander-Serving Institutions, and Native Amer-
9 ican-Serving Nontribal Institutions as defined in sec-
10 tion 371 of the Higher Education Act of 1965 (20
11 U.S.C. 1067q(c)).

12 (7) STEM.—The term “STEM” has the mean-
13 ing given the term in the STEM Education Act of
14 2015 (42 U.S.C. 1861 et seq.).

15 (8) TCU.—The term “TCU” has the meaning
16 given the term “Tribal College or University” in sec-
17 tion 316 of the Higher Education Act of 1965 (20
18 U.S.C. 1059e).

19 **Subtitle D—Combating Sexual** 20 **Harassment in Science**

21 **SEC. 10541. FINDINGS.**

22 Congress makes the following findings:

23 (1) According to the report issued by the Na-
24 tional Academies of Sciences, Engineering, and Med-
25 icine in 2018 entitled “Sexual Harassment of

1 Women: Climate, Culture, and Consequences in Aca-
2 demic Sciences, Engineering, and Medicine”—

3 (A) sexual harassment is pervasive in insti-
4 tutions of higher education;

5 (B) the most common type of sexual har-
6 assment is gender harassment, which includes
7 verbal and nonverbal behaviors that convey in-
8 sulting, hostile, and degrading attitudes about
9 members of one gender;

10 (C) 58 percent of individuals in the aca-
11 demic workplace experience sexual harassment,
12 the second highest rate when compared to the
13 military, the private sector, and Federal, State,
14 and local government;

15 (D) women who are members of racial or
16 ethnic minority groups are more likely to expe-
17 rience sexual harassment and to feel unsafe at
18 work than White women, White men, or men
19 who are members of such groups;

20 (E) the training for each individual who
21 has a doctor of philosophy in the science, tech-
22 nology, engineering, and mathematics fields is
23 estimated to cost approximately \$500,000; and

24 (F) attrition of an individual so trained re-
25 sults in a loss of talent and money.

1 (2) Sexual harassment undermines career ad-
2 vancement for women.

3 (3) According to a 2017 University of Illinois
4 study, among astronomers and planetary scientists,
5 18 percent of women who are members of racial or
6 ethnic minority groups and 12 percent of White
7 women skipped professional events because they did
8 not feel safe attending.

9 (4) Many women report leaving employment at
10 institutions of higher education due to sexual har-
11 assment.

12 (5) Research shows the majority of individuals
13 do not formally report experiences of sexual harass-
14 ment due to a justified fear of retaliation or other
15 negative professional or personal consequences.

16 (6) Reporting procedures with respect to such
17 harassment are inconsistent among Federal science
18 agencies and have varying degrees of accessibility.

19 (7) There is not adequate communication
20 among Federal science agencies and between such
21 agencies and grantees regarding reports of sexual
22 harassment, which has resulted in harassers receiv-
23 ing Federal funding after moving to a different in-
24 stitution.

1 **SEC. 10542. DEFINITIONS.**

2 In this subtitle:

3 (1) **ACADEMIES.**—The term “Academies”
4 means the National Academies of Sciences, Engi-
5 neering, and Medicine.

6 (2) **DIRECTOR.**—The term “Director” means
7 the Director of the National Science Foundation.

8 (3) **FEDERAL SCIENCE AGENCY.**—The term
9 “Federal science agency” means any Federal agency
10 with an annual extramural research expenditure of
11 over \$100,000,000.

12 (4) **FINDING OR DETERMINATION.**—The term
13 “finding or determination” means the final disposi-
14 tion of a matter involving a violation of organiza-
15 tional policies and processes, to include the exhaus-
16 tion of permissible appeals, or a conviction of a sex-
17 ual offense in a criminal court of law.

18 (5) **GENDER HARASSMENT.**—The term “gender
19 harassment” means verbal and nonverbal behaviors
20 that convey hostility, objectification, exclusion, or
21 second-class status about one’s gender, gender iden-
22 tity, gender presentation, sexual orientation, or preg-
23 nancy status.

24 (6) **GRANTEE.**—The term “grantee” means the
25 legal entity to which a grant is awarded and that is

1 accountable to the Federal Government for the use
2 of the funds provided.

3 (7) GRANT PERSONNEL.—The term “grant per-
4 sonnel” means principal investigators, co-principal
5 investigators, postdoctoral researchers and other em-
6 ployees supported by a grant award, cooperative
7 agreement, or contract under Federal law.

8 (8) INSTITUTION OF HIGHER EDUCATION.—The
9 term “institution of higher education” has the
10 meaning given such term in section 101 of the High-
11 er Education Act of 1965 (20 U.S.C. 1001).

12 (9) SEXUAL HARASSMENT.—The term “sexual
13 harassment” means conduct that encompasses—

14 (A) unwelcome sexual advances;

15 (B) unwanted physical contact that is sex-
16 ual in nature, including assault;

17 (C) unwanted sexual attention, including
18 sexual comments and propositions for sexual ac-
19 tivity;

20 (D) conditioning professional or edu-
21 cational benefits on sexual activity; and

22 (E) retaliation for rejecting unwanted sex-
23 ual attention.

1 (10) STEM.—The term “STEM” means
2 science, technology, engineering, and mathematics,
3 including computer science.

4 **SEC. 10543. RESEARCH GRANTS.**

5 (a) IN GENERAL.—The Director shall establish a pro-
6 gram to award grants, on a competitive basis, to institu-
7 tions of higher education or nonprofit organizations (or
8 consortia of such institutions or organizations)—

9 (1) to expand research efforts to better under-
10 stand the factors contributing to, and consequences
11 of, sexual harassment and gender harassment affect-
12 ing individuals in the STEM workforce, including
13 students and trainees; and

14 (2) to examine interventions to reduce the inci-
15 dence and negative consequences of such harass-
16 ment.

17 (b) USE OF FUNDS.—Activities funded by a grant
18 under this section may include—

19 (1) research on the sexual harassment and gen-
20 der harassment experiences of individuals in under-
21 represented or vulnerable groups, including racial
22 and ethnic minority groups, disabled individuals, for-
23 eign nationals, sexual- and gender-minority individ-
24 uals, and others;

1 (2) development and assessment of policies,
2 procedures, trainings, and interventions, with respect
3 to sexual harassment and gender harassment, con-
4 flict management, and ways to foster respectful and
5 inclusive climates;

6 (3) research on approaches for remediating the
7 negative impacts and outcomes of such harassment
8 on individuals experiencing such harassment;

9 (4) support for institutions of higher education
10 to develop, adapt, and assess the impact of innova-
11 tive, evidence-based strategies, policies, and ap-
12 proaches to policy implementation to prevent and
13 address sexual harassment and gender harassment;

14 (5) research on alternatives to the hierarchical
15 and dependent relationships, including but not lim-
16 ited to the mentor-mentee relationship, in academia
17 that have been shown to create higher levels of risk
18 for sexual harassment and gender harassment; and

19 (6) establishing a center for the ongoing com-
20 pilation, management, and analysis of campus cli-
21 mate survey data.

22 **SEC. 10544. DATA COLLECTION.**

23 Not later than 180 days after the date of enactment
24 of this Act, the Director shall convene a working group

1 composed of representatives of Federal statistical agen-
2 cies—

3 (1) to develop questions on sexual harassment
4 and gender harassment in STEM departments to
5 gather national data on the prevalence, nature, and
6 implications of sexual harassment and gender har-
7 assment in institutions of higher education; and

8 (2) to include such questions as appropriate,
9 with sufficient protections of the privacy of respond-
10 ents, in relevant surveys conducted by the National
11 Center for Science and Engineering Statistics and
12 other relevant entities.

13 **SEC. 10545. RESPONSIBLE CONDUCT GUIDE.**

14 (a) IN GENERAL.—Not later than 180 days after the
15 date of enactment of this Act, the Director shall enter into
16 an agreement with the Academies to update the report en-
17 titled “On Being a Scientist: A Guide to Responsible Con-
18 duct in Research” issued by the Academies. The report,
19 as so updated, shall include—

20 (1) updated professional standards of conduct
21 in research;

22 (2) standards of treatment individuals can ex-
23 pect to receive under such updated standards of con-
24 duct;

1 (3) evidence-based practices for fostering a cli-
2 mate intolerant of sexual harassment and gender
3 harassment;

4 (4) methods, including bystander intervention,
5 for identifying and addressing incidents of sexual
6 harassment and gender harassment; and

7 (5) professional standards for mentorship and
8 teaching with an emphasis on preventing sexual har-
9 assment and gender harassment.

10 (b) RECOMMENDATIONS.—In updating the report
11 under subsection (a), the Academies shall take into ac-
12 count recommendations made in the report issued by the
13 Academies in 2018 entitled “Sexual Harassment of
14 Women: Climate, Culture, and Consequences in Academic
15 Sciences, Engineering, and Medicine” and other relevant
16 studies and evidence.

17 (c) REPORT.—Not later than 18 months after the ef-
18 fective date of the contract under subsection (a), the Acad-
19 emies, as part of such agreement, shall submit to the Di-
20 rector and the Committee on Science, Space, and Tech-
21 nology of the House of Representatives and the Committee
22 on Commerce, Science, and Transportation of the Senate
23 the report referred to in such subsection, as updated pur-
24 suant to such subsection.

1 **SEC. 10546. INTERAGENCY WORKING GROUP.**

2 (a) IN GENERAL.—The Director of the Office of
3 Science and Technology Policy, acting through the Na-
4 tional Science and Technology Council, shall establish an
5 interagency working group for the purpose of coordinating
6 Federal science agency efforts to reduce the prevalence of
7 sexual harassment and gender harassment involving grant
8 personnel. The working group shall be chaired by the Di-
9 rector of the Office of Science and Technology Policy (or
10 the Director’s designee) and shall include a representative
11 from each Federal science agency with annual extramural
12 research expenditures totaling over \$1,000,000,000, a rep-
13 resentative from the Department of Education, and a rep-
14 resentative from the U.S. Equal Employment Opportunity
15 Commission.

16 (b) RESPONSIBILITIES OF WORKING GROUP.—The
17 interagency working group established under subsection
18 (a) shall coordinate Federal science agency efforts to im-
19 plement the policy guidelines developed under subsection
20 (c)(2).

21 (c) RESPONSIBILITIES OF OSTP.—The Director of
22 the Office of Science and Technology Policy shall—

23 (1) not later than 90 days after the date of the
24 enactment of this Act, submit to the Committee on
25 Science, Space, and Technology of the House of
26 Representatives and the Committee on Commerce,

1 Science, and Transportation of the Senate an inven-
2 tory of policies, procedures, and resources dedicated
3 to preventing and responding to reports of sexual
4 harassment and gender harassment at Federal agen-
5 cies that provide legal definitions to which institu-
6 tions of higher education must comply; and

7 (2) not later than 6 months after the date on
8 which the inventory is submitted under paragraph
9 (1)—

10 (A) in consultation with outside stake-
11 holders and Federal science agencies, develop a
12 uniform set of policy guidelines for Federal
13 science agencies; and

14 (B) submit a report to the committees re-
15 ferred to in paragraph (1) containing such
16 guidelines;

17 (3) encourage and monitor efforts of Federal
18 science agencies to develop or maintain and imple-
19 ment policies based on the guidelines developed
20 under paragraph (2), including the extent to which
21 Federal science agency policies depart from the uni-
22 form policy guidelines;

23 (4) not later than 1 year after the date on
24 which the inventory under paragraph (1) is sub-
25 mitted, and every 5 years thereafter, the Director of

1 the Office of Science and Technology Policy shall re-
2 port to Congress on the implementation by Federal
3 science agencies of the policy guidelines developed
4 under paragraph (2); and

5 (5) update such policy guidelines as needed.

6 (d) REQUIREMENTS.—In developing policy guidelines
7 under subsection (c)(2), the Director of the Office of
8 Science and Technology Policy shall include guidelines
9 that require—

10 (1) grantees to submit to the Federal science
11 agency or agencies from which the grantees receive
12 funding reports relating to—

13 (A) administrative action, related to an al-
14 legation against grant personnel of any sexual
15 harassment or gender harassment, as set forth
16 in organizational policies or codes of conduct,
17 statutes, regulations, or executive orders, that
18 affects the ability of grant personnel or their
19 trainees to carry out the activities of the grant;
20 and

21 (B) findings or determinations against
22 grant personnel of sexual harassment or gender
23 harassment, as set forth in organizational poli-
24 cies or codes of conduct, statutes, regulations,
25 or executive orders, including any findings or

1 determinations related to reports submitted
2 under subparagraph (A) and any disciplinary
3 action that was taken;

4 (2) the sharing, updating, and archiving of re-
5 ports of sexual harassment and gender harassment
6 from grantees submitted under paragraph (1)(B)
7 with relevant Federal science agencies on a quarterly
8 basis; and

9 (3) to the extent practicable, ensure consistency
10 among Federal agencies with regards to the policies
11 and procedures for receiving reports submitted pur-
12 suant to paragraph (1), which may include the des-
13 ignation of a single agency to field reports so sub-
14 mitted.

15 (e) CONSIDERATIONS.—In developing policy guide-
16 lines under subsection (c)(2), the Director of the Office
17 of Science and Technology Policy shall consider guidelines
18 that require or incentivize—

19 (1) grantees to periodically assess their organi-
20 zational climate, which may include the use of cli-
21 mate surveys, focus groups, or exit interviews;

22 (2) grantees to publish on a publicly available
23 internet website the results of assessments con-
24 ducted pursuant to paragraph (1), disaggregated by

1 gender and, if possible, race, ethnicity, disability sta-
2 tus, and sexual orientation;

3 (3) grantees to make public on an annual basis
4 the number of reports of sexual harassment and
5 gender harassment at each such institution;

6 (4) grantees to regularly assess and improve
7 policies, procedures, and interventions to reduce the
8 prevalence of sexual harassment and gender harass-
9 ment;

10 (5) each grantee to demonstrate in its proposal
11 for a grant award, cooperative agreement, or con-
12 tract that a code of conduct is in place for maintain-
13 ing a healthy and welcoming workplace for grant
14 personnel and their trainees;

15 (6) the diffusion of the hierarchical and depend-
16 ent relationships between grant personnel and their
17 trainees;

18 (7) each grantee and Federal science agency to
19 have in place mechanisms for the re-integration of
20 individuals who have experienced sexual harassment
21 and gender harassment; and

22 (8) grantees to work to create a climate intoler-
23 ant of sexual harassment and gender harassment.

24 (f) FEDERAL SCIENCE AGENCY IMPLEMENTATION.—

25 Each Federal science agency shall—

1 (1) develop or maintain and implement policies
2 with respect to sexual harassment and gender har-
3 assment that are consistent with policy guidelines
4 under subsection (c)(2) and that protect the privacy
5 of all parties involved in any report and investigation
6 of sexual harassment and gender harassment, except
7 to the extent necessary to carry out an investigation;
8 and

9 (2) broadly disseminate such policies to current
10 and potential recipients of research grants, coopera-
11 tive agreements, or contracts awarded by such agen-
12 cy.

13 (g) FERPA.—The Director of the Office of Science
14 and Technology Policy shall ensure that such guidelines
15 and requirements are consistent with the requirements of
16 section 444 of the General Education Provisions Act (20
17 U.S.C. 1232g) (commonly referred to as the “Family Edu-
18 cational Rights and Privacy Act of 1974”).

19 (h) SUNSET.—The interagency working group estab-
20 lished under subsection (a) shall terminate on the date
21 that is 7 years after the date of the enactment of this
22 Act.

23 **SEC. 10547. NATIONAL ACADEMIES ASSESSMENT.**

24 (a) IN GENERAL.—Not later than 3 years after the
25 date of enactment of this Act, the Director shall enter into

1 an agreement with the Academies to undertake a study
2 of the influence of sexual harassment and gender harass-
3 ment in institutions of higher education on the career ad-
4 vancement of individuals in the STEM workforce. The
5 study shall assess—

6 (1) the state of research on sexual harassment
7 and gender harassment in such workforce;

8 (2) whether research demonstrates a change in
9 the prevalence of sexual harassment and gender har-
10 assment in such workforce;

11 (3) the progress made with respect to imple-
12 menting recommendations promulgated in the Acad-
13 emies consensus study report entitled “Sexual Har-
14 assment of Women: Climate, Culture, and Con-
15 sequences in Academic Sciences, Engineering, and
16 Medicine”; and

17 (4) where to focus future efforts with respect to
18 decreasing sexual harassment and gender harass-
19 ment in such institutions.

20 **SEC. 10548. AUTHORIZATION OF APPROPRIATIONS.**

21 There is authorized to be appropriated to the Direc-
22 tor to carry out this subtitle, \$17,500,000.

1 **TITLE VI—MISCELLANEOUS**
2 **SCIENCE AND TECHNOLOGY**
3 **PROVISIONS**

4 **Subtitle A—Supporting Early-**
5 **Career Researchers**

6 **SEC. 10601. FINDINGS.**

7 Congress finds the following:

8 (1) The Nation’s universities and industrial re-
9 search labs are facing unprecedented budget pres-
10 sure as part of the COVID–19 health crisis, result-
11 ing in considerably fewer openings for research and
12 teaching positions.

13 (2) Emergency funding is needed to forestall
14 the loss of research talent likely to occur if early-ca-
15 reer researchers are forced to seek employment out-
16 side of research due to the sharp economic decline
17 caused by the COVID–19 health crisis.

18 (3) The future of America’s defense will rely on
19 advanced technologies to maintain its military supe-
20 riority over its rivals, including China. These tech-
21 nologies will require new levels of scientific and engi-
22 neering aptitude and understanding. Early career re-
23 searchers will play a critical role in the development
24 of these technologies, and the loss of an entire gen-
25 eration of researchers due to the COVID–19 pan-

1 demic will be detrimental to the United States na-
2 tional security.

3 **SEC. 10602. EARLY-CAREER RESEARCH FELLOWSHIP PRO-**
4 **GRAM.**

5 (a) IN GENERAL.—The Director of the National
6 Science Foundation may establish a 2-year pilot program
7 to award grants to highly qualified early-career investiga-
8 tors to carry out an independent research program at the
9 qualified institution of higher education chosen by such
10 investigator, to last for a period not greater than 2 years.

11 (b) SELECTION PROCESS.—The Director of the Na-
12 tional Science Foundation shall select grantees under sub-
13 section (a) from among citizens, nationals, and lawfully
14 admitted permanent resident aliens of the United States.

15 (c) OUTREACH.—The Director shall conduct program
16 outreach to recruit fellowship applicants—

17 (1) from all regions of the country;

18 (2) from historically underrepresented popu-
19 lations in the fields of science, technology, engineer-
20 ing, and mathematics; and

21 (3) who graduate from or intend to carry out
22 research at a variety of types of institutions of high-
23 er education, including—

24 (A) Historically Black Colleges and Uni-
25 versities;

1 (B) Hispanic-Serving Institutions;
2 (C) Tribal Colleges and Universities; and
3 (D) institutions of higher education that
4 are not among the top 50 institutions in annual
5 Federal funding for research.

6 (d) SPECIAL CONSIDERATION.—The Director shall
7 give special consideration to an application from an indi-
8 vidual who graduated from or is intending to carry out
9 research at an institution of the type listed in subsection
10 (c)(3).

11 (e) REPORT.—Not later than 90 days after the con-
12 clusion of the second year of the pilot program, the Direc-
13 tor shall submit a report to Congress that includes—

14 (1) statistical summary data on fellowship
15 awardees disaggregated by race, ethnicity, gender,
16 age, years since completion of doctoral degree, and
17 institution type;

18 (2) an assessment, drawing on feedback from
19 the research community and other sources of infor-
20 mation, of the effectiveness of the pilot program for
21 mitigating the loss of research talent due to the pan-
22 demic; and

23 (3) if determined effective, a plan for perma-
24 nent implementation of the pilot program.

1 (f) QUALIFIED INSTITUTION OF HIGHER EDUCATION
2 DEFINED.—The term “qualified institution of higher edu-
3 cation” has the meaning given the term in section 102
4 of the Higher Education of Act of 1965, except that such
5 term does not include an institution described in sub-
6 section (a)(1)(C) of such section.

7 **SEC. 10603. AUTHORIZATION OF APPROPRIATIONS.**

8 There is authorized to be appropriated to the Direc-
9 tor of the National Science Foundation \$250,000,000 for
10 each of fiscal years 2021 through 2022 to carry out the
11 activities in this subtitle.

12 **Subtitle B—National Science and**
13 **Technology Strategy**

14 **SEC. 10611. NATIONAL SCIENCE AND TECHNOLOGY STRAT-**
15 **EGY.**

16 Section 206 of the National Science and Technology
17 Policy, Organization, and Priorities Act of 1976 (42
18 U.S.C. 6615) is amended to read as follows:

19 **“SEC. 206. NATIONAL SCIENCE AND TECHNOLOGY STRAT-**
20 **EGY.**

21 “(a) IN GENERAL.—Not later than the end of each
22 calendar year immediately after the calendar year in which
23 a review under section 206b is completed, the Director of
24 the Office of Science and Technology Policy, in consulta-
25 tion with the National Science and Technology Council,

1 shall develop and submit to Congress a comprehensive na-
2 tional science and technology strategy of the United States
3 to meet national research and development objectives for
4 the following 4-year period (in this Act referred to as ‘the
5 national science and technology strategy’).

6 “(b) REQUIREMENTS.—Each national science and
7 technology strategy required by subsection (a) shall delin-
8 eate a national science and technology strategy consistent
9 with—

10 “(1) the recommendations and priorities devel-
11 oped by the review established in section 206b;

12 “(2) the most recent national security strategy
13 report submitted pursuant to section 1032 of the
14 National Defense Authorization Act for Fiscal Year
15 2012 (50 U.S.C. 3043);

16 “(3) other relevant national plans; and

17 “(4) the strategic plans of relevant Federal de-
18 partments and agencies.

19 “(c) CONSULTATION.—The Director shall consult as
20 necessary with the Office of Management and Budget and
21 other appropriate elements of the Executive Office of the
22 President to ensure that the recommendations and prior-
23 ities delineated in the science and technology strategy are
24 incorporated in the development of annual budget re-
25 quests.

1 “(d) REPORT.—The President shall submit to Con-
2 gress each year a comprehensive report on the national
3 science and technology strategy of the United States. Each
4 report on the national science and technology strategy of
5 the United States shall include a description of—

6 “(1) strategic objectives and priorities necessary
7 to maintain the leadership of the United States in
8 science and technology and to advance science and
9 technology to address societal and national chal-
10 lenges, including near-term, medium-term, and long-
11 term research priorities;

12 “(2) programs, policies, and activities that the
13 President recommends across all Federal agencies to
14 achieve the strategic objectives in paragraph (1);
15 and

16 “(3) global trends in science and technology, in-
17 cluding potential threats to the leadership of the
18 United States in science and technology and oppor-
19 tunities for international collaboration in science and
20 technology.

21 “(e) PUBLICATION.—The Director shall, consistent
22 with the protection of national security and other sensitive
23 matters to the maximum extent practicable, make each re-
24 port submitted under subsection (d) publicly available on
25 an internet website of the Office.”.

1 **SEC. 10612. QUADRENNIAL SCIENCE AND TECHNOLOGY RE-**
2 **VIEW.**

3 The National Science and Technology Policy, Organi-
4 zation, and Priorities Act of 1976 (42 U.S.C. 6601 et seq.)
5 is amended by inserting after section 206 the following:

6 **“SEC. 206b. QUADRENNIAL SCIENCE AND TECHNOLOGY RE-**
7 **VIEW.**

8 “(a) REQUIREMENTS.—

9 “(1) QUADRENNIAL REVIEWS REQUIRED.—Not
10 later than December 31, 2022, and every 4 years
11 thereafter, the Director of the Office of Science and
12 Technology Policy shall complete a review of the
13 science and technology enterprise of the United
14 States (in this section referred to as the ‘quadren-
15 nial science and technology review’).

16 “(2) SCOPE.—The quadrennial science and
17 technology review shall be a comprehensive examina-
18 tion of the science and technology strategy of the
19 United States, including recommendations for main-
20 taining global leadership in science and technology
21 and advancing science and technology to address the
22 societal and national challenges and guidance on the
23 coordination of programs, assets, capabilities, budget,
24 et, policies, and authorities across all Federal re-
25 search and development programs.

1 “(3) CONSULTATION.—The Director of the Of-
2 fice of Science and Technology Policy shall conduct
3 each quadrennial science and technology review
4 under this subsection in consultation with—

5 “(A) the National Science and Technology
6 Council;

7 “(B) the heads of other relevant Federal
8 agencies;

9 “(C) the President’s Council of Advisors
10 on Science and Technology;

11 “(D) the National Science Board;

12 “(E) the National Security Council; and

13 “(F) other relevant governmental and non-
14 governmental entities, including representatives
15 from industry, institutions of higher education,
16 nonprofit organizations, Members of Congress,
17 and other policy experts.

18 “(4) COORDINATION.—The Director shall en-
19 sure that each quadrennial science and technology
20 review conducted under this section is coordinated
21 with other relevant statutorily required reviews, and
22 to the maximum extent practicable incorporates in-
23 formation and recommendations from existing re-
24 views to avoid duplication.

1 “(b) CONTENTS.—In each quadrennial science and
2 technology review, the Director shall—

3 “(1) provide an integrated view of, and rec-
4 ommendations for, science and technology policy
5 across the Federal Government, while considering
6 economic and national security and other societal
7 and national challenges;

8 “(2) assess and recommend priorities for re-
9 search, development and demonstration programs to
10 maintain American leadership in science and tech-
11 nology;

12 “(3) assess and recommend priorities for re-
13 search, development, and demonstration programs to
14 address societal and national challenges;

15 “(4) assess the global competition in science
16 and technology and identify potential threats to the
17 leadership of the United States in science and tech-
18 nology and opportunities for international collabora-
19 tion;

20 “(5) assess and make recommendations on the
21 science, technology, engineering, mathematics and
22 computer science workforce in the United States;

23 “(6) assess and make recommendations to im-
24 prove regional innovation across the United States;

1 “(7) assess and make recommendations to im-
2 prove translation of basic research and the enhance-
3 ment of technology transfer of federally funded re-
4 search;

5 “(8) assess and identify the infrastructure and
6 tools needed to maintain the leadership of the
7 United States in science and technology and address
8 other societal and national challenges; and

9 “(9) review administrative or legislative policies
10 that affect the science and technology enterprise and
11 identify and make recommendations on policies that
12 hinder research and development in the United
13 States.

14 “(c) REPORTING.—

15 “(1) IN GENERAL.—Not later than December
16 31 of the year in which a quadrennial science and
17 technology review is conducted, the Director shall
18 submit a report of the review to Congress.

19 “(2) PUBLICATION.—The Director shall, con-
20 sistent with the protection of national security and
21 other sensitive matters to the maximum extent pos-
22 sible, make each report submitted under paragraph
23 (1) publicly available on an internet website of the
24 Office of Science and Technology Policy.”.

1 **Subtitle C—Energizing Technology**
2 **Transfer**

3 **SEC. 10621. DEFINITIONS.**

4 In this subtitle:

5 (1) **CLEAN ENERGY TECHNOLOGY.**—The term
6 “clean energy technology” means a technology that
7 significantly reduces energy use, increases energy ef-
8 ficiency, reduces greenhouse gas emissions, reduces
9 emissions of other pollutants, or mitigates other neg-
10 ative environmental consequences of energy produc-
11 tion, transmission or use.

12 (2) **DEPARTMENT.**—The term “Department”
13 means the Department of Energy.

14 (3) **DIRECTOR.**—The term “Director” means
15 the Director of each National Laboratory and the
16 Director of each Department of Energy single-pur-
17 pose research facility.

18 (4) **ECONOMICALLY DISTRESSED AREA.**—The
19 term “economically distressed area” has the mean-
20 ing described in section 301(a) of the Public Works
21 and Economic Development Act of 1965 (42 U.S.C.
22 3161(a)).

23 (5) **GRANT.**—The term “grant” means a grant
24 award, cooperative agreement award, or any other fi-

1 nancial assistance arrangement that the Secretary of
2 Energy determines to be appropriate.

3 (6) INSTITUTION OF HIGHER EDUCATION.—The
4 term “institution of higher education” has the
5 meaning given such term in the Higher Education
6 Act of 1965, as amended (20 U.S.C. 1001).

7 (7) NATIONAL LABORATORY.—The term “Na-
8 tional Laboratory” has the meaning given that term
9 in section 2 of the Energy Policy Act of 2005 (42
10 U.S.C. 15801).

11 (8) SECRETARY.—The term “Secretary” means
12 the Secretary of Energy.

13 **PART 1—NATIONAL CLEAN ENERGY**

14 **TECHNOLOGY TRANSFER PROGRAMS**

15 **SEC. 10623. NATIONAL CLEAN ENERGY INCUBATOR PRO-** 16 **GRAM.**

17 (a) CLEAN ENERGY INCUBATOR DEFINED.—In this
18 section, the term “clean energy incubator”—

19 (1) means any entity that is designed to accel-
20 erate the commercial application of clean energy
21 technologies by providing—

22 (A) physical workspace, labs, and proto-
23 typing facilities to support clean energy
24 startups or established clean energy companies;
25 or

1 (B) companies developing such tech-
2 nologies with support, resources, and services,
3 including—

4 (i) access to business education and
5 counseling;

6 (ii) mentorship opportunities; and

7 (iii) other services rendered for the
8 purpose of aiding the development and
9 commercial application of a clean energy
10 technology; and

11 (2) may include a program within or established
12 by a National Laboratory, an institution of higher
13 education or a State, local, or tribal government.

14 (b) PROGRAM ESTABLISHMENT.—Not later than 180
15 days after the enactment of this Act, the Secretary, acting
16 through the Chief Commercialization Officer established
17 in section 1001(a) of the Energy Policy Act of 2005 (42
18 U.S.C. 16391(a)), shall establish a Clean Energy Incu-
19 bator Program (herein referred to as the “program”) to
20 competitively award grants to clean energy incubators.

21 (c) CLEAN ENERGY INCUBATOR SELECTION.—In
22 awarding grants to clean energy incubators under sub-
23 section (b), the Secretary shall, to the maximum extent
24 practicable, prioritize funding clean energy incubators
25 that—

1 (1) partner with entities that carry out activi-
2 ties relevant to the activities of such incubator and
3 that operate at the local, State, and regional levels;

4 (2) support the commercial application activi-
5 ties of startup companies focused on physical hard-
6 ware, computational, or integrated hardware and
7 software technologies;

8 (3) are located in geographically diverse regions
9 of the United States;

10 (4) are located in, or partner with entities lo-
11 cated in, economically-distressed areas;

12 (5) support the development of entities focused
13 on expanding clean energy tools and technologies to
14 rural, Tribal, and low-income communities;

15 (6) support the commercial application of tech-
16 nologies being developed by clean energy entre-
17 preneurs from underrepresented backgrounds; and

18 (7) have a plan for sustaining activities of the
19 incubator after grant funds received under this pro-
20 gram have been expended.

21 (d) AWARD LIMITS.—The Secretary shall not award
22 more than \$4,000,000 to one or more incubators in one
23 given State, per fiscal year.

1 (e) DURATION.—Each grant under subsection (b)
2 shall be for a period of no longer than 5 years, subject
3 to the availability of appropriations.

4 (f) USE OF FUNDS.—An entity receiving a grant
5 under this section may use grant amounts for operating
6 expenses.

7 (g) RENEWAL.—An award made to a clean energy
8 incubator under this section may be renewed for a period
9 of not more than 3 years, subject to merit review.

10 (h) EVALUATION.—In accordance with section 9007
11 of Division Z of the Consolidated Appropriations Act,
12 2021 (Public Law 116–260), the Secretary shall submit
13 to the Committee on Science, Space, and Technology of
14 the House of Representatives and the Committee on En-
15 ergy and Natural Resources of the Senate an evaluation
16 of the program established under this section that includes
17 analyses of the performance of the clean energy incuba-
18 tors.

19 (i) AUTHORIZATION OF APPROPRIATIONS.—There
20 are authorized to be appropriated to the Secretary to carry
21 out this section \$15,000,000 for each of fiscal years 2022
22 through 2026.

23 **SEC. 10624. CLEAN ENERGY TECHNOLOGY UNIVERSITY**
24 **PRIZE COMPETITION.**

25 (a) DEFINITIONS.—In this section:

1 (1) ELIGIBLE ENTITY.—The term “eligible enti-
2 ty” means a nonprofit entity, an institution of high-
3 er education, or an entity working with one or more
4 institutes of higher education.

5 (2) MINORITY-SERVING INSTITUTION.—The
6 term “minority-serving institution” means an insti-
7 tution described in section 371(a) of the Higher
8 Education Act of 1965 (20 U.S.C. 1067q(a)).

9 (b) IN GENERAL.—The Secretary shall establish a
10 program, known as the “Clean Energy Technology Uni-
11 versity Prize”, to award funding for eligible entities to
12 carry out regional and one national clean energy tech-
13 nology prize competitions, under section 24 of the Steven-
14 son-Wydler Technology Innovation Act of 1980 (15 U.S.C.
15 3719). In carrying out such prize competitions, students
16 shall compete to develop a business model for furthering
17 the commercial application of an innovative clean energy
18 technology.

19 (c) TRAINING FUNDING.—In carrying out this pro-
20 gram, the Secretary may provide funding to train partici-
21 pating students in skills needed for the successful commer-
22 cial application of clean energy technologies, including
23 through virtual training sessions.

24 (d) PRIORITIZATION.—In awarding grants under this
25 section, the Secretary shall prioritize awarding grants to

1 eligible entities that work with students at minority-serv-
2 ing institutions.

3 (e) COORDINATION.—In carrying out this program,
4 the Secretary shall coordinate and partner with other
5 clean energy technology prize competitions. In doing so,
6 the Secretary may develop and disseminate best practices
7 for administering prize competitions under this section.

8 (f) REPORT.—In accordance with section 9007 of Di-
9 vision Z of the Consolidated Appropriations Act, 2021
10 (Public Law 116–260), the Secretary shall report annually
11 on the progress and implementation of the program estab-
12 lished under section (b).

13 (g) EVALUATION.—In accordance with section 9007
14 of Division Z of the Consolidated Appropriations Act,
15 2021 (Public Law 116–260), the Secretary shall submit
16 to the Committee on Science, Space, and Technology of
17 the House of Representatives and the Committee on En-
18 ergy and Natural Resources of the Senate an evaluation
19 on the long-term outcomes of the program established
20 under this section and the progress towards achieving the
21 purposes of the program in subsection (b).

22 (h) AUTHORIZATION OF APPROPRIATIONS.—There
23 are authorized to be appropriated to the Secretary to carry
24 out the activities authorized in this section \$1,000,000 for
25 each of fiscal years 2022 through 2026.

1 **SEC. 10625. CLEAN ENERGY TECHNOLOGY TRANSFER CO-**
2 **ORDINATION.**

3 (a) IN GENERAL.—The Secretary, acting through the
4 Chief Commercialization Officer established in section
5 1001 (a) of the Energy Policy Act of 2005 (42 U.S.C.
6 16391 (a)), shall support the coordination of relevant
7 technology transfer programs that advance the commercial
8 application of clean energy technologies nationally and
9 across all energy sectors. In particular, the Secretary may
10 support activities to—

11 (1) facilitate the sharing of information on best
12 practices for successful operation of clean energy
13 technology transfer programs;

14 (2) coordinate resources and improve coopera-
15 tion among clean energy technology transfer pro-
16 grams;

17 (3) facilitate connections between entrepreneurs
18 and start-up companies and the variety of programs
19 related to clean energy technology transfer under the
20 Department; and

21 (4) facilitate the development of metrics to
22 measure the impact of clean energy technology
23 transfer programs on—

24 (A) advancing the development, demonstra-
25 tion, and commercial application of clean en-
26 ergy technologies;

1 (B) increasing the competitiveness of
2 United States in the clean energy sector, in-
3 cluding in manufacturing; and

4 (C) commercial application of clean energy
5 technologies being developed by entrepreneurs
6 from under-represented backgrounds.

7 (b) AUTHORIZATION OF APPROPRIATIONS.—There
8 are authorized to be appropriated to the Secretary to carry
9 out the activities in this section \$3,000,000 for each of
10 fiscal years 2022 through 2026.

11 **PART 2—SUPPORTING TECHNOLOGY DEVELOP-**
12 **MENT AT THE NATIONAL LABORATORIES**

13 **SEC. 10626. LAB PARTNERING SERVICE PILOT PROGRAM.**

14 Section 9002 of division Z of the Consolidated Appro-
15 priations Act, 2021 (Public Law 116–260) is amended by
16 adding at the end the following:

17 “(h) AUTHORIZATION OF APPROPRIATIONS.—There
18 are authorized to be appropriated to the Secretary
19 \$2,000,000 for each of fiscal years 2022 through 2024
20 to carry out subsections (a), (b), and (c), and \$1,700,000
21 for each of fiscal years 2022 through 2024 for National
22 Laboratory employees to provide services under subsection
23 (d).”.

1 **SEC. 10627. LAB-EMBEDDED ENTREPRENEURSHIP PRO-**
2 **GRAM.**

3 (a) IN GENERAL.—The Secretary shall competitively
4 award grants to National Laboratories for the purpose of
5 establishing or supporting Lab-Embedded Entrepreneur-
6 ship Programs.

7 (b) PURPOSES.—The purposes of such programs are
8 to provide entrepreneurial fellows with access to National
9 Laboratory research facilities, National Laboratory exper-
10 tise, and mentorship to perform research and development
11 and gain expertise that may be required or beneficial for
12 the commercial application of research ideas.

13 (c) ENTREPRENEURIAL FELLOWS.—An entrepre-
14 neurial fellow participating in a program described in sub-
15 section (a) shall be provided with—

16 (1) opportunities for entrepreneurial training,
17 professional development, and exposure to leaders
18 from academia, industry, government, and finance
19 who may serve as advisors to or partners of the fel-
20 low;

21 (2) financial and technical support for research,
22 development, and commercial application activities;

23 (3) fellowship awards to cover costs of living,
24 health insurance, and travel stipends for the dura-
25 tion of the fellowship; and

1 (4) any other resources determined appropriate
2 by the Secretary.

3 (d) PROGRAM ACTIVITIES.—Each National Labora-
4 tory that receives funding under this section shall support
5 entrepreneurial fellows by providing—

6 (1) access to facilities and expertise within the
7 National Laboratory;

8 (2) engagement with external stakeholders; and

9 (3) market and customer development opportu-
10 nities.

11 (e) ADMINISTRATION.—National Laboratories that
12 receive grants under this section shall prioritize the sup-
13 port and success of the entrepreneurial fellow with regards
14 to professional development and development of a relevant
15 technology.

16 (f) PARTNERSHIPS.—In carrying out a Lab-Embed-
17 ded Entrepreneurship Program, a National Laboratory
18 may partner with an external entity, including—

19 (1) a nonprofit organization;

20 (2) an institution of higher education;

21 (3) a federally-owned corporation; or

22 (4) a consortium of 2 or more entities described
23 in paragraphs (1) through (3).

24 (g) METRICS.—The Secretary shall support the de-
25 velopment of short-term and long-term metrics to assess

1 the effectiveness of programs receiving a grant under sub-
2 section (a) in achieving the purposes of the program in
3 subsection (a).

4 (h) EVALUATION.—In accordance with section 9007
5 of Division Z of the Consolidated Appropriations Act,
6 2021 (Public Law 116–260), not later than 3 years after
7 the date of the enactment of this Act, and every 3 years
8 thereafter, the Secretary shall submit to the Committee
9 on Science, Space, and Technology of the House of Rep-
10 resentatives and the Committee on Energy and Natural
11 Resources of the Senate an evaluation of the effectiveness
12 of the programs under subsection (a) based on the metrics
13 developed pursuant to subsection (g).

14 (i) COORDINATION.—The Secretary shall oversee the
15 planning and coordination of grants under subsection (a)
16 and shall identify and disseminate best practices for
17 achieving the purposes of subsection (a) to National Lab-
18 oratories that receive grants under this section.

19 (j) INTERAGENCY COLLABORATION.—The Secretary
20 shall collaborate with other executive branch agencies, in-
21 cluding the Department of Defense and other agencies
22 with Federal laboratories, regarding opportunities to part-
23 ner with National Laboratories receiving a grant under
24 subsection (a).

1 (k) AUTHORIZATION OF APPROPRIATIONS.—There
2 are authorized to be appropriated to the Secretary to carry
3 out the activities authorized in this section \$25,000,000
4 for each of fiscal years 2022 through 2026.

5 **SEC. 10628. SMALL BUSINESS VOUCHER PROGRAM.**

6 Section 1003 of the Energy Policy Act of 2005 (42
7 U.S.C. 16393) is amended—

8 (1) in subsection (a)—

9 (A) in the matter preceding paragraph (1),
10 by striking “, and may require the Director of
11 a single-purpose research facility,” and insert-
12 ing “(as defined in section 2) and the Director
13 of each single-purpose research facility”;

14 (B) in paragraph (1)—

15 (i) by striking “increase” and insert-
16 ing “encourage”; and

17 (ii) by striking “collaborative re-
18 search,” and inserting “research, develop-
19 ment, demonstration, and commercial ap-
20 plication activities, including product devel-
21 opment,”;

22 (C) in paragraph (2), by striking “procure-
23 ment and collaborative research” and inserting
24 “the activities described in paragraph (1)”;

25 (D) in paragraph (3)—

1 (i) by inserting “facilities,” before
2 “training”; and

3 (ii) by striking “procurement and col-
4 laborative research activities” and insert-
5 ing “the activities described in paragraph
6 (1)”; and

7 (E) in paragraph (5), by striking “for the
8 program under subsection (b)” and inserting
9 “and metrics for the programs under sub-
10 sections (b) and (c)”;

11 (2) by redesignating subsections (c) and (d) as
12 subsections (d) and (e), respectively;

13 (3) by inserting after subsection (b) the fol-
14 lowing:

15 “(c) SMALL BUSINESS VOUCHER PROGRAM.—

16 “(1) DEFINITIONS.—In this subsection:

17 “(A) DIRECTOR.—The term ‘Director’
18 means—

19 “(i) the Director of each National
20 Laboratory; and

21 “(ii) the Director of each single-pur-
22 pose research facility.

23 “(B) NATIONAL LABORATORY.—The term
24 ‘National Laboratory’ has the meaning given
25 the term in section 2.

1 “(C) PROGRAM.—The term ‘program’
2 means the program established under para-
3 graph (2).

4 “(D) SMALL BUSINESS CONCERN.—The
5 term ‘small business concern’ has the meaning
6 given such term in section 3 of the Small Busi-
7 ness Act (15 U.S.C. 632).

8 “(2) ESTABLISHMENT.—The Secretary, acting
9 through the Chief Commercialization Officer ap-
10 pointed under section 1001(a), and in consultation
11 with the Directors, shall establish a program to pro-
12 vide small business concerns with vouchers under
13 paragraph (3)—

14 “(A) to achieve the goal described in sub-
15 section (a)(1); and

16 “(B) to improve the products, services, and
17 capabilities of small business concerns in the
18 mission space of the Department.

19 “(3) VOUCHERS.—Under the program, the Di-
20 rectors are authorized to provide to small business
21 concerns vouchers to be used at National Labora-
22 tories and single-purpose research facilities for—

23 “(A) research, development, demonstra-
24 tion, technology transfer, or commercial appli-
25 cation activities; or

1 “(B) any other activities that the applica-
2 ble Director determines appropriate.

3 “(4) EXPEDITED APPROVAL.—The Secretary,
4 working with the Directors, shall establish a stream-
5 lined approval process for financial assistance agree-
6 ments signed between—

7 “(A) small business concerns selected to
8 receive a voucher under the program; and

9 “(B) the National Laboratories and single-
10 purpose research facilities.

11 “(5) COST-SHARING REQUIREMENT.—In car-
12 rying out the program, the Secretary shall require
13 cost-sharing in accordance with section 988.

14 “(6) REPORT.—In accordance with section
15 9007 of division Z of the Consolidated Appropria-
16 tions Act, 2021 (Public Law 116–260), the Sec-
17 retary shall report annually on the progress and im-
18 plementation of the small business voucher program
19 established under this section, including the number
20 and locations of small businesses that received
21 grants under this program.”; and

22 (4) in subsection (e) (as so redesignated), by
23 striking “for activities under this section” and in-
24 serting “for activities under subsection (b)” and in-
25 serting before the period at the end “and for activi-

1 ties under subsection (c) \$25,000,000 for each of
2 fiscal years 2022 through 2026”.

3 **SEC. 10629. ENTREPRENEURIAL LEAVE PROGRAM.**

4 (a) IN GENERAL.—The Secretary shall delegate to
5 Directors the authority to carry out an entrepreneurial
6 leave program (referred to in this section as the “pro-
7 gram”) to allow National Laboratory employees to take
8 a full leave of absence from their position, with the option
9 to return to that or a comparable position up to 3 years
10 later, or a partial leave of absence, to advance the commer-
11 cial application of energy and related technologies relevant
12 to the mission of the Department.

13 (b) TERMINATION AUTHORITY.—Directors shall re-
14 tain the authority to terminate National Laboratory em-
15 ployees that participate in the program if such employees
16 are found to violate terms prescribed by the National Lab-
17 oratory at which such employee is employed.

18 (c) LICENSING.—To reduce barriers to participation
19 in the program, the Secretary shall delegate to the Direc-
20 tors the requirement to establish streamlined mechanisms
21 for facilitating the licensing of technology that is the focus
22 of National Laboratory employees who participate in the
23 program.

24 (d) REPORT.—In accordance with section 9007 of di-
25 vision Z of the Consolidated Appropriations Act, 2021

1 (Public Law 116–260), the Secretary shall report annually
2 on the utilization of this authority at National Labora-
3 tories, including the number of employees who participate
4 in this program at each National Laboratory and the num-
5 ber of employees who take a permanent leave from their
6 positions at National Laboratories as a result of partici-
7 pating in this program.

8 (e) FEDERAL ETHICS.—Nothing in this section shall
9 affect existing Federal ethics rules applicable to Federal
10 personnel.

11 **SEC. 10630. NATIONAL LABORATORY EMPLOYEE OUTSIDE**
12 **EMPLOYMENT AUTHORITY.**

13 (a) IN GENERAL.—The Secretary shall delegate to
14 Directors of National Laboratories the authority to allow
15 their employees—

16 (1) to engage in outside employment, including
17 start-up companies based on licensing technologies
18 developed at National Laboratories and consulting in
19 their areas of expertise, and receive compensation
20 from such entities; and

21 (2) to engage in outside activities related to
22 their areas of expertise at the National Laboratory
23 and may allow employees, in their employment ca-
24 pacity at such outside employment, to access the
25 National Laboratories under the same contracting

1 mechanisms as non-Laboratory employees and enti-
2 ties, in accordance with appropriate conflict of inter-
3 est protocols.

4 (b) REQUIREMENTS.—If a Director elects to use the
5 authority granted by subsection (a) of this section, the Di-
6 rector, or their designee, shall—

7 (1) require employees to disclose to and obtain
8 approval from the Director or their designee prior to
9 engaging in any outside employment;

10 (2) develop and require appropriate conflict of
11 interest protocols for employees that engage in out-
12 side employment; and

13 (3) maintain the authority to terminate employ-
14 ees engaging in outside employment if they are
15 found to violate terms, including conflict of interest
16 protocols, mandated by the Director.

17 (c) ADDITIONAL RESTRICTIONS.—Employees engag-
18 ing in outside employment may not—

19 (1) allow such activities to interfere with or im-
20 pede their duties at the National Laboratory;

21 (2) engage in activities related to outside em-
22 ployment using National Laboratory government
23 equipment, property, or resources, unless such ac-
24 tivities are performed under National Laboratory
25 contracting mechanisms, such as Cooperative Re-

1 search and Development Agreements or Strategic
2 Partnership Projects, whereby all conflicts of inter-
3 est requirements apply; or

4 (3) use their position at a National Laboratory
5 to provide an unfair competitive advantage to an
6 outside employer or start-up activity.

7 (d) FEDERAL ETHICS.—Nothing in this section shall
8 affect existing Federal ethics rules applicable to Federal
9 personnel.

10 **SEC. 10631. SIGNATURE AUTHORITY.**

11 (a) IN GENERAL.—Subject to subsections (b) and (c),
12 the Secretary shall delegate to Directors of the National
13 Laboratories signature authority with respect to any
14 agreement described in subsection (b) the total cost of
15 which, including the National Laboratory contributions
16 and project recipient cost share, is less than \$1,000,000,
17 if such an agreement falls within the scope of—

18 (1) the strategic plan for the National Labora-
19 tory or a master scope of work that has been ap-
20 proved by the Department; or

21 (2) the most recent budget approved by Con-
22 gress for Department activities to be carried out by
23 the National Laboratory.

24 (b) AGREEMENTS.—Subsection (a) applies to—

1 (1) a cooperative research and development
2 agreement;

3 (2) a strategic partnership project;

4 (3) prize competitions;

5 (4) an agreement for commercializing tech-
6 nology; or

7 (5) any other agreement determined to be ap-
8 propriate by the Secretary, in collaboration with the
9 Directors of the National Laboratories.

10 (c) ADMINISTRATION.—

11 (1) ACCOUNTABILITY.—The Director of the af-
12 fected National Laboratory and the affected con-
13 tractor shall carry out an agreement under this sec-
14 tion in accordance with applicable policies of the De-
15 partment, including by ensuring that the agreement
16 does not compromise any national security, eco-
17 nomic, or environmental interest of the United
18 States.

19 (2) CERTIFICATION.—The Director of the af-
20 fected National Laboratory and the affected con-
21 tractor shall certify that each activity carried out
22 under a project for which an agreement is entered
23 into under this section does not present, or mini-
24 mizes, any apparent conflict of interest, and avoids

1 or neutralizes any actual conflict of interest, as a re-
2 sult of the agreement under this section.

3 (3) AVAILABILITY OF RECORDS.—Not later
4 than 30 days after the date on which a Director of
5 a National Laboratory enters an agreement under
6 this section, such Director shall submit to the Sec-
7 retary for monitoring and review all records of the
8 National Laboratory relating to the agreement.

9 (d) APPROVAL.—Upon granting the signature au-
10 thority under in subsection (a), the Secretary may not re-
11 quire any additional reviews or approvals of draft agree-
12 ments, statements of work, or other documents for agree-
13 ments that meet the criteria under subsection (a).

14 (e) EXCEPTION.—This section does not apply to any
15 agreement with a foreign-controlled entity or entity under
16 the majority control of any foreign entity.

17 (f) REPORT.—In accordance with section 9007 of di-
18 vision Z of the Consolidated Appropriations Act, 2021
19 (Public Law 116–260), the Secretary shall submit annu-
20 ally information on the number and types of agreements
21 signed using the authorities granted under this section.

22 (g) EVALUATION.—Not later than 3 years after the
23 enactment of this Act the Secretary shall submit to the
24 Committee on Science, Space, and Technology Committee
25 of the House of Representatives and the Committee on

1 Energy and Natural Resources of the Senate an evalua-
2 tion of the efficacy of reducing administrative burden for
3 agreements signed using the authorities granted under
4 this section.

5 (h) CONFORMING AMENDMENT.—Section 12 of the
6 Stevenson-Wydler Technology Innovation Act of 1980 (15
7 U.S.C. 3710a) is amended—

8 (1) in subsection (a)—

9 (A) by redesignating paragraphs (1) and
10 (2) as subparagraphs (A) and (B), respectively,
11 and indenting the subparagraphs appropriately;

12 (B) by striking “Each Federal agency”
13 and inserting the following:

14 “(1) IN GENERAL.—Except as provided in para-
15 graph (2), each Federal agency”; and

16 (C) by adding at the end the following:

17 “(2) EXCEPTION.—Notwithstanding paragraph
18 (1), in accordance with section 631 of the Ener-
19 gizing Technology Transfer Act, approval by the
20 Secretary of Energy shall not be required for any
21 agreement proposed to be entered into by a National
22 Laboratory of the Department of Energy, the total
23 cost of which, including the National Laboratory
24 contributions and project recipient cost share, is less
25 than \$1,000,000.”; and

1 (2) in subsection (b), by striking “subsection
2 (a)(1)” each place it appears and inserting “sub-
3 section (a)(1)(A)”.

4 **PART 3—DEPARTMENT OF ENERGY**

5 **MODERNIZATION**

6 **SEC. 10632. OFFICE OF TECHNOLOGY TRANSITIONS.**

7 Section 1001(a) of the Energy Policy Act of 2005
8 (42 U.S.C. 16391) is amended by adding at the end the
9 following:

10 “(6) **HIRING AND MANAGEMENT.**—To carry out
11 the program authorized in this section, the Under
12 Secretary for Science may appoint personnel using
13 the authorities in section 636 of the Energizing
14 Technology Transfer Act.

15 “(7) **AUTHORIZATION OF APPROPRIATIONS.**—
16 There are authorized to be appropriated to the Sec-
17 retary to carry out the activities authorized in this
18 section \$20,000,000 for each of fiscal years 2022
19 through 2026.”.

20 **SEC. 10633. MANAGEMENT OF DEMONSTRATION PROJECTS.**

21 (a) **MANAGEMENT OF DEPARTMENT OF ENERGY**
22 **DEMONSTRATION PROJECTS.**—The Secretary, shall estab-
23 lish a program to conduct project management and over-
24 sight of demonstration projects that receive or are eligible
25 to receive funding from the Department, in coordination

1 with relevant staff from Department program offices, in-
2 cluding the Office of Technology Transitions, the Loan
3 Program Office, and all applied program offices. The pur-
4 poses of this program are to—

5 (1) conduct evaluation of demonstration project
6 proposals prior to selection of a project for funding;

7 (2) conduct independent oversight of the execu-
8 tion of a demonstration project once funding has
9 been awarded for such project; and

10 (3) ensure a balanced portfolio of investments
11 in clean energy technology demonstration projects.

12 (b) DEMONSTRATION PROJECT MANAGEMENT EM-
13 PLOYEES.—

14 (1) AUTHORITY.—In carrying out the program
15 under subsection (a), the Under Secretary for
16 Science shall appoint at least 4 full time employees
17 to achieve the purposes of the program outlined in
18 subsection (a) in coordination with relevant staff at
19 Department program offices.

20 (2) HIRING AUTHORITY.—To carry out the pro-
21 gram authorized in this section, the Under Secretary
22 for Science may hire personnel using the authorities
23 in section 10636 of this subtitle.

1 (c) DUTIES.—In carrying out the program in sub-
2 section (a), employees under this section shall work with
3 relevant staff from Department program offices to—

4 (1) evaluate demonstration project proposals,
5 including the scope, technical specifications, matu-
6 rity of design, funding profile, estimated costs, pro-
7 posed schedule, proposed technical and financial
8 milestones, and potential for commercial success
9 based on economic and policy projections;

10 (2) develop independent cost estimates of dem-
11 onstration project proposals, when appropriate;

12 (3) recommend to the director of a program of-
13 fice whether to fund a demonstration project pro-
14 posal;

15 (4) oversee the execution of the demonstration
16 projects that receive funding from the Department
17 under this section and conduct reviews of ongoing
18 projects, which may include reconciling estimated
19 costs as compared to actual costs and evaluating
20 progress of the project based on the proposed sched-
21 ule and technical and financial milestones, and pro-
22 vide such reviews to the Secretary; and

23 (5) assess lessons learned and implement im-
24 provements to evaluate and oversee demonstration
25 projects carried out under this section.

1 (d) ADDITIONAL AUTHORITY.—The Secretary may
2 carry out and manage demonstration projects directly
3 through the program established in subsection (a).

4 (e) PROJECT TERMINATION.—Should an ongoing
5 demonstration project receive an unfavorable review under
6 subsection (c)(4), the director of a Department program
7 office or their designee may cease funding the demonstra-
8 tion project and reallocate the remaining funds to new or
9 existing demonstration projects carried out by that pro-
10 gram office.

11 (f) COORDINATION.—In establishing and carrying out
12 the program, the Secretary shall coordinate with project
13 management and acquisition management entities within
14 the Department, including the Office of Project Manage-
15 ment, and relevant professional organizations in project
16 management, construction, cost estimation, and other rel-
17 evant fields.

18 (g) REPORTING.—In accordance with section 9007 of
19 Division Z of the Consolidated Appropriations Act, 2021
20 (Public Law 116–260), the Secretary shall report annually
21 on the utilization of the authority granted under this sec-
22 tion, including—

23 (1) a summary of any demonstration projects
24 currently being carried out under this section; and

1 (2) the reviews under subsection (c)(4) of any
2 ongoing demonstration projects carried out under
3 this section.

4 (h) EVALUATION BY COMPTROLLER GENERAL.—Not
5 later than 3 years after the date of the enactment of this
6 Act the Comptroller General shall submit to the Com-
7 mittee on Science, Space, and Technology of the House
8 of Representatives and the Committee on Energy and
9 Natural Resources of the Senate an evaluation on the op-
10 eration of the program established under this section, in-
11 cluding—

12 (1) the processes and procedures used to evalu-
13 ate demonstration project proposals and oversee
14 demonstration projects that receive funding under
15 this section;

16 (2) any recommended changes to the program,
17 including the structure and the processes and proce-
18 dures used to evaluate and oversee demonstration
19 projects that receive funding under this section; and

20 (3) any recommended changes to the structure
21 of this program to improve the success in meeting
22 the program purposes under subsection (a).

1 **SEC. 10634. STREAMLINING PRIZE COMPETITIONS.**

2 (a) REPORTING.—Section 1008 of the Energy Policy
3 Act of 2005 (42 U.S.C. 16396) is amended by adding at
4 the end the following:

5 “(h) REPORT.—In accordance with section 9007 of
6 Division Z of the Consolidated Appropriations Act, 2021
7 (Public Law 116–260), the Secretary shall report annually
8 on a description of any prize competitions carried out
9 using the authority under this section, the total amount
10 of prizes awarded along with any private sector contribu-
11 tions, the methods used for solicitation and evaluation,
12 and a description of how each prize competition advanced
13 the mission of the Department.”.

14 (b) TECHNICAL AMENDMENT.—Section 1008 of the
15 Energy Policy Act of 2005 (42 U.S.C. 16396) is amended
16 by redesignating the second subsection (e) (relating to au-
17 thorization of appropriations) as subsection (f).

18 **SEC. 10635. COST-SHARE WAIVER EXTENSION.**

19 (a) IN GENERAL.—Section 988 of the Energy Policy
20 Act of 2005 (42 U.S.C. 16351) is amended in subsection
21 (b)(4)(B) by striking “this paragraph” and inserting “the
22 Energizing Technology Transfer Act”.

23 (b) REPORT.—Section 108(b) of the Department of
24 Energy Research and Innovation Act is amended in sub-
25 section (b) by striking “this Act” each place it appears
26 and inserting “the Energizing Technology Transfer Act”.

1 **SEC. 10636. SPECIAL HIRING AUTHORITY FOR SCIENTIFIC,**
2 **ENGINEERING, AND PROJECT MANAGEMENT**
3 **PERSONNEL.**

4 (a) IN GENERAL.—The Under Secretary for Science
5 shall have the authority to—

6 (1) make appointments of not more than 60
7 scientific, engineering, and professional personnel,
8 without regard to civil service laws, to assist the De-
9 partment in meeting specific project or research
10 needs;

11 (2) fix the basic pay of any employee appointed
12 under this section at a rate to be determined by the
13 Under Secretary at rates not in excess of Level II
14 of the Executive Schedule (EX–II) under section
15 5311 of title 5, United States Code without regard
16 to the civil service laws; and

17 (3) pay any employee appointed under this sec-
18 tion payments in addition to basic pay, except that
19 the total amount of additional payments paid to an
20 employee under this subsection for any 12-month pe-
21 riod shall not exceed the lesser of the following
22 amounts:

23 (A) \$25,000.

24 (B) The amount equal to 25 percent of the
25 annual rate of basic pay of that employee.

1 (C) The amount of the limitation that is
2 applicable for a calendar year under section
3 5307(a)(1) of title 5, United States Code.

4 (b) TERM.—

5 (1) IN GENERAL.—The term of any employee
6 appointed under this section shall not exceed 3 years
7 unless otherwise authorized in law.

8 (2) TERMINATION.—The Under Secretary for
9 Science shall have the authority to terminate any
10 employee appointed under this section at any time
11 based on performance or changing project or re-
12 search needs of the Department.

13 **SEC. 10637. TECHNOLOGY TRANSFER REPORTS AND EVAL-**
14 **UATION.**

15 Section 9007 of division Z of the Consolidated Appro-
16 priations Act, 2021 (Public Law 116–260) is amended as
17 follows:

18 “(a) ANNUAL REPORT.—As part of the updated tech-
19 nology transfer execution plan required each year under
20 section 1001(h)(2) of the Energy Policy Act of 2005 (42
21 U.S.C. 16391(g)(2)), the Secretary of Energy (in this sec-
22 tion referred to as the ‘Secretary’) shall submit to the
23 Committee on Science, Space, and Technology of the
24 House of Representatives and the Committee on Energy
25 and Natural Resources of the Senate a report on the

1 progress and implementation of programs established
2 under sections 9001, 9002, 9003, 9004, and 9005 of this
3 Act and under sections 624, 628, 629, 630, 631, and 633
4 of the Energizing Technology Transfer Act.

5 “(b) EVALUATION.—Not later than 3 years after the
6 enactment of this Act and every 3 years thereafter the
7 Secretary shall submit to the Committee on Science,
8 Space, and Technology of the House of Representatives
9 and the Committee on Energy and Natural Resources of
10 the Senate an evaluation on the extent to which programs
11 established under sections 9001, 9002, 9003, 9004, and
12 9005 of this Act and sections 623, 624, 625, and 627 of
13 the Energizing Technology Transfer Act are achieving
14 success based on relevant short-term and long-term
15 metrics.”.

16 **Subtitle D—Regional Innovation**

17 **SEC. 10641. REGIONAL INNOVATION CAPACITY.**

18 (a) IN GENERAL.—The Stevenson-Wydler Tech-
19 nology Innovation Act of 1980 (Public Law 96–480; 15
20 U.S.C. 3701 et seq.) is amended—

21 (1) by redesignating section 28 as section 29;

22 and

23 (2) by inserting after section 27 the following:

1 **“SEC. 28. REGIONAL TECHNOLOGY AND INNOVATION HUB**
2 **PROGRAM.**

3 “(a) DEFINITIONS.—In this section:

4 “(1) APPROPRIATE COMMITTEES OF CON-
5 GRESS.—The term ‘appropriate committees of Con-
6 gress’ means—

7 “(A) the Committee on Commerce,
8 Science, and Transportation, the Committee on
9 Environment and Public Works, and the Com-
10 mittee on Appropriations of the Senate; and

11 “(B) the Committee on Science, Space,
12 and Technology and the Committee on Appro-
13 priations of the House of Representatives.

14 “(2) COOPERATIVE EXTENSION SERVICES.—
15 The term ‘cooperative extension services’ has the
16 meaning given the term in section 1404 of the Food
17 and Agriculture Act of 1977 (7 U.S.C. 3103).

18 “(3) HISTORICALLY BLACK COLLEGES AND
19 UNIVERSITIES.—The term ‘historically Black col-
20 leges and universities’ has the meaning given the
21 term ‘part B institution’ in section 322 of the High-
22 er Education Act of 1965 (20 U.S.C. 1061);

23 “(4) LABOR ORGANIZATION.—The term ‘labor
24 organization’ has the meaning given the term in sec-
25 tion 2(5) of the National Labor Relations Act (29

1 U.S.C. 152(5)), except that such term shall also in-
2 clude—

3 “(A) any organization composed of labor
4 organizations, such as a labor union federation
5 or a State or municipal labor body; and

6 “(B) any organization which would be in-
7 cluded in the definition for such term under
8 such section 2(5) but for the fact that the orga-
9 nization represents—

10 “(i) individuals employed by the
11 United States, any wholly owned Govern-
12 ment corporation, any Federal Reserve
13 Bank, or any State or political subdivision
14 thereof;

15 “(ii) individuals employed by persons
16 subject to the Railway Labor Act (45
17 U.S.C. 151 et seq.); or

18 “(iii) individuals employed as agricul-
19 tural laborers.

20 “(5) MANUFACTURING EXTENSION CENTER.—
21 The term ‘manufacturing extension center’ has the
22 meaning given the term ‘Center’ in section 25(a) of
23 the National Institute of Standards and Technology
24 Act (15 U.S.C. 278k(a)).

1 “(6) MANUFACTURING USA INSTITUTE.—The
2 term ‘Manufacturing USA institute’ means a Manu-
3 facturing USA institute described in section 34(d) of
4 the National Institute of Standards and Technology
5 Act (15 U.S.C. 278s(d)).

6 “(7) MINORITY-SERVING INSTITUTION.—The
7 term ‘minority-serving institution’ means a His-
8 panic-serving institution, an Alaska Native-serving
9 institution, a Native Hawaiian-serving institutions, a
10 Predominantly Black Institution, an Asian American
11 and Native American Pacific Islander-serving insti-
12 tution, or a Native American-serving nontribal insti-
13 tution as described in section 371(a) of the Higher
14 Education Act of 1965 (20 U.S.C. 1067q(a)).

15 “(8) SITE CONNECTIVITY INFRASTRUCTURE.—
16 The term ‘site connectivity infrastructure’ means lo-
17 calized driveways and access roads to a facility as
18 well as hookups to the new facility for drinking
19 water, waste water, broadband, and other basic in-
20 frastructure services already present in the area.

21 “(9) STATE.—The term ‘state’ has the meaning
22 given such term in section 27(a) of the Stevenson-
23 Wylder Act of 1980 (15 U.S.C. 3722(a)).

24 “(10) TRIBAL COLLEGE OR UNIVERSITY.—The
25 term ‘Tribal College or University’ has the meaning

1 given such term in section 316 of the Higher Edu-
2 cation Act of 1965 (20 U.S.C. 1059e).

3 “(11) VENTURE DEVELOPMENT ORGANIZA-
4 TION.—The term ‘venture development organization’
5 has the meaning given such term in section 27(a) of
6 the Stevenson-Wydler Act of 1980 (15 U.S.C.
7 3722(a)).

8 “(12) COMMUNITY DEVELOPMENT FINANCIAL
9 INSTITUTION.—The term ‘community development
10 financial institution’ has the meaning given in sec-
11 tion 103 of the Community Development Banking
12 and Financial Institutions Act of 1994 (12 U.S.C.
13 4702).

14 “(13) MINORITY DEPOSITORY INSTITUTION.—
15 The term ‘minority depository institution’ means an
16 entity that is—

17 “(A) a minority depository institution, as
18 defined in section 308 of the Financial Institu-
19 tions Reform, Recovery, and Enforcement Act
20 of 1989 (12 U.S.C. 1463 note); or

21 “(B) considered to be a minority deposi-
22 tory institution by—

23 “(i) the appropriate Federal banking
24 agency; or

1 “(ii) the National Credit Union Ad-
2 ministration, in the case of an insured
3 credit union.

4 “(b) REGIONAL TECHNOLOGY AND INNOVATION HUB
5 PROGRAM.—

6 “(1) IN GENERAL.—Subject to the availability
7 of appropriations, the Secretary shall carry out a
8 program—

9 “(A) to encourage new and constructive
10 collaboration among local, State, and Federal
11 government entities, institutions of higher edu-
12 cation, the private sector, economic development
13 organizations, labor organizations, worker coop-
14 erative membership associations, State or local
15 employee ownership and cooperative develop-
16 ment centers, nonprofit organizations, and com-
17 munity organizations to promote inclusive re-
18 gional innovation initiatives;

19 “(B) to support eligible consortia in the
20 development and implementation of regional in-
21 novation strategies;

22 “(C) to designate eligible consortia as re-
23 gional technology and innovation hubs and fa-
24 cilitate activities by consortia designated as re-

1 regional technology and innovation hubs in imple-
2 menting their regional innovation strategies—

3 “(i) to enable United States leader-
4 ship in technology and innovation sectors
5 critical to national and economic security;

6 “(ii) to support regional economic de-
7 velopment and resilience, including in
8 small cities and rural areas, and promote
9 increased geographic diversity of innova-
10 tion across the United States;

11 “(iii) to promote the benefits of tech-
12 nology development and innovation for all
13 Americans, including underserved commu-
14 nities and vulnerable communities;

15 “(iv) to support domestic job creation
16 and broad-based economic growth; and

17 “(v) to improve the pace of market
18 readiness, industry maturation, and overall
19 commercialization of innovative research;

20 “(D) to ensure that the regional tech-
21 nology and innovation hubs address the inter-
22 section of emerging technologies and either re-
23 gional challenges or national challenges; and

24 “(E) to conduct ongoing research, evalua-
25 tion, analysis, and dissemination of best prac-

1 tices for regional development and competitive-
2 ness in technology and innovation.

3 “(2) AWARDS.—The Secretary shall carry out
4 the program required by paragraph (1) through the
5 award of the following:

6 “(A) Strategy development grants or coop-
7 erative agreements to eligible consortia under
8 subsection (e).

9 “(B) Strategy implementation grants or
10 cooperative agreements to regional technology
11 and innovation hubs under subsection (f).

12 “(c) ELIGIBLE CONSORTIA.—For purposes of this
13 section, an eligible consortium is a consortium that—

14 “(1) includes 1 or more of each of the fol-
15 lowing—

16 “(A) institutions of higher education,
17 which may include Historically Black Colleges
18 and Universities, Tribal Colleges and Univer-
19 sities, and minority-serving institutions;

20 “(B) State, local, or Tribal governments or
21 other political subdivisions of a State, including
22 State and local agencies, or a consortia thereof;

23 “(C) industry or firms in relevant tech-
24 nology or innovation sectors;

1 “(D) labor organizations or workforce
2 training organizations, which may include State
3 and local workforce development boards as es-
4 tablished under section 101 and 107 of the
5 Workforce Investment and Opportunity Act (29
6 U.S.C. 3111; 3122); and

7 “(E) organizations that contribute to in-
8 creasing the participation of underserved popu-
9 lations in science, technology, innovation, and
10 entrepreneurship; and

11 “(2) may include 1 or more—

12 “(A) economic development entities with
13 relevant expertise, including a district organiza-
14 tion (as defined in section 300.3 of title 13,
15 Code of Federal Regulations, or successor regu-
16 lation);

17 “(B) economic development organizations
18 or similar entities that are focused primarily on
19 improving science, technology, innovation, en-
20 trepreneurship, or access to capital;

21 “(C) venture development organizations;

22 “(D) worker cooperative membership asso-
23 ciations and state or local employee ownership
24 and cooperative development centers;

1 “(E) financial institutions and investment
2 funds, including community development finan-
3 cial institutions and minority depository institu-
4 tions;

5 “(F) elementary schools and secondary
6 schools, including area career and technical
7 education schools (as defined in section 3 of the
8 Carl D. Perkins Career and Technical Edu-
9 cation Act of 2006 (29 U.S.C. 2302);

10 “(G) National Laboratories (as defined in
11 section 2 of the Energy Policy Act of 2005 (42
12 U.S.C. 15801));

13 “(H) Federal laboratories;

14 “(I) Manufacturing extension centers;

15 “(J) Manufacturing USA institutes;

16 “(K) transportation planning organiza-
17 tions;

18 “(L) a cooperative extension services; and

19 “(M) organizations that represent the per-
20 spectives of underserved communities in eco-
21 nomic development initiatives.

22 “(d) DESIGNATION OF REGIONAL TECHNOLOGY AND
23 INNOVATION HUBS.—

24 “(1) IN GENERAL.—In carrying out subsection
25 (b)(1)(C), the Secretary shall use a competitive,

1 merit-review process to designate not fewer than 10
2 eligible consortia as regional technology and innova-
3 tion hubs.

4 “(2) GEOGRAPHIC DISTRIBUTION.—In con-
5 ducting the competitive process under paragraph
6 (1), the Secretary shall ensure geographic distribu-
7 tion in the designation of regional technology and in-
8 novation hubs by—

9 “(A) focusing on localities that are not
10 leading technology centers;

11 “(B) ensuring that not fewer than one
12 third of eligible consortia designated as regional
13 technology and innovation hubs significantly
14 benefit a rural or other underserved community;

15 “(C) ensuring that at least one eligible
16 consortium designated as a regional technology
17 and innovation hub is headquartered in a State
18 that is eligible to receive funding from the Es-
19 tablished Program to Stimulate Competitive Re-
20 search of the National Science Foundation; and

21 “(D) ensuring that at least one eligible
22 consortium designated as a regional technology
23 and innovation hub is headquartered in a region
24 that has a high density of institutions of higher
25 education serving populations historically

1 underrepresented in STEM, including histori-
2 cally Black Colleges and Universities and mi-
3 nority-serving institutions.

4 “(3) RELATION TO CERTAIN GRANT AWARDS.—

5 The Secretary shall not require an eligible Consor-
6 tium to receive a grant or cooperative agreement
7 under subsection (e) in order to be designated as a
8 regional technology and innovation hub under para-
9 graph (1) of this subsection.

10 “(e) STRATEGY DEVELOPMENT GRANTS AND COOP-
11 ERATIVE AGREEMENTS.—

12 “(1) IN GENERAL.—The Secretary shall use a
13 competitive, merit-review process to award grants or
14 cooperative agreements to eligible consortia for the
15 development of regional innovation strategies.

16 “(2) NUMBER OF RECIPIENTS.—The Secretary
17 shall award a grant or cooperative agreement under
18 paragraph (1) to not fewer than 20 eligible con-
19 sortia.

20 “(3) GEOGRAPHIC DIVERSITY AND REPRESENTATION.—

21 “(A) IN GENERAL.—The Secretary shall
22 carry out paragraph (1) in a manner that en-
23 sures geographic diversity and representation
24 from communities of differing populations.
25

1 “(B) AWARDS TO RURAL COMMUNITIES
2 AND UNDERSERVED COMMUNITIES.—In car-
3 rying out paragraph (1), the Secretary shall
4 award not fewer than one-half of the grants and
5 cooperative agreements under such paragraph
6 to eligible consortia that significantly benefit a
7 rural state, rural community, or other under-
8 served community.

9 “(4) USE OF FUNDS.—The amount of a grant
10 or cooperative agreement awarded under paragraph
11 (1) shall be as follows:

12 “(A) To coordinate locally defined planning
13 processes, across jurisdictions and agencies, re-
14 lating to developing a comprehensive regional
15 technology strategy.

16 “(B) To identify regional partnerships for
17 developing and implementing a comprehensive
18 regional technology strategy.

19 “(C) To conduct or update assessments to
20 determine regional needs and capabilities.

21 “(D) To develop or update goals and strat-
22 egies to implement an existing comprehensive
23 regional plan.

24 “(E) To identify or implement planning
25 and local zoning and other code changes nec-

1 essary to implement a comprehensive regional
2 technology strategy.

3 “(F) To develop or update goals for ensur-
4 ing that any new regional technology strategy
5 mitigates and does not exacerbate economic or
6 social inequities in a region.

7 “(5) FEDERAL SHARE.—The Federal share of
8 the cost of an effort carried out using a grant or co-
9 operative agreement awarded under this subsection
10 may not exceed 80 percent—

11 “(A) where in-kind contributions may be
12 used for all or part of the non-Federal share,
13 but Federal funding from other government
14 sources may not count towards the non-Federal
15 share;

16 “(B) except in the case of an eligible con-
17 sortium that represents all or part of a rural or
18 other underserved community, the Federal
19 share may be up to 90 percent of the total cost,
20 subject to subparagraph (A); and

21 “(C) except in the case of an eligible con-
22 sortium that is led by a Tribal government, the
23 Federal share may be up to 100 percent of the
24 total cost of the project.

1 “(f) STRATEGY IMPLEMENTATION GRANTS AND CO-
2 OPERATIVE AGREEMENTS.—

3 “(1) IN GENERAL.—The Secretary shall use a
4 competitive, merit-review process to award grants or
5 cooperative agreements to regional technology and
6 innovation hubs for the implementation of regional
7 innovation strategies, including regional strategies
8 for infrastructure and site development, in support
9 of the regional innovation and technology and inno-
10 vation hub’s plans and programs. The Secretary
11 should determine the size and number of awards
12 based on appropriations available to ensure the suc-
13 cess of regional technology and innovation hubs as
14 outlined in subsection (h).

15 “(2) USE OF FUNDS.—Financial assistance
16 awarded under paragraph (1) to a regional tech-
17 nology and innovation hub may be used by the re-
18 gional technology and innovation hub to support any
19 of the following activities, consistent with the most
20 current regional innovation strategy of the regional
21 technology and innovation hub:

22 “(A) WORKFORCE DEVELOPMENT ACTIVI-
23 TIES.—Workforce development activities, in-
24 cluding activities relating to the following:

1 “(i) The creation of partnerships be-
2 tween industry, workforce, nonprofit, and
3 educational institutions to create and align
4 technical training and educational pro-
5 grams.

6 “(ii) The design, development, and
7 updating of educational and training cur-
8 riculum tied to demonstrated regional
9 workforce needs.

10 “(iii) The procurement of facilities
11 and equipment, as required to train a tech-
12 nical workforce.

13 “(iv) The development and execution
14 of programs to rapidly award certificates
15 or credentials recognized by regional indus-
16 tries or other organizations.

17 “(v) The matching of regional employ-
18 ers with a potential new entrant, under-
19 employed, underrepresented, or incumbent
20 workforce.

21 “(vi) The expansion of successful
22 training programs at a scale required by
23 the region served by the regional tech-
24 nology and innovation hub, including
25 through the use of online education.

1 “(vii) The development and expansion
2 of programs with the goal of increasing the
3 participation of persons historically under-
4 represented in STEM in the workforce de-
5 velopment plans of the regional technology
6 and innovation hub.

7 “(B) BUSINESS AND ENTREPRENEUR DE-
8 VELOPMENT ACTIVITIES.—Business and entre-
9 preneur development activities, including activi-
10 ties relating to the following:

11 “(i) The development and growth of
12 local regional businesses and the training
13 of entrepreneurs.

14 “(ii) The support of technology com-
15 mercialization, including funding for activi-
16 ties relevant for advancing high growth po-
17 tential ventures such as acceleration, incu-
18 bation and other relevant programming.

19 “(iii) The development of local and re-
20 gional capital networks and consortia to
21 attract necessary private funding to busi-
22 nesses and entrepreneurs in the region.

23 “(iv) The development of local and re-
24 gional networks for business and entre-
25 preneur mentorship.

1 “(v) The expansion of employee and
2 worker ownership and participation in
3 business decisionmaking, including through
4 coordination and collaboration with worker
5 cooperative membership associations and
6 existing local and state employee ownership
7 and cooperative development centers, or
8 the creation of such centers where they do
9 not yet exist, in order to provide informa-
10 tion, technical assistance, access to financ-
11 ing, and training to startups, contractors,
12 and businesses that are considering em-
13 ployee ownership as a model, and to facili-
14 tate the creation of and conversion to em-
15 ployee-owned startups, businesses, and co-
16 operatives.

17 “(C) TECHNOLOGY DEVELOPMENT AND
18 MATURATION ACTIVITIES.—Technology matura-
19 tion activities, including activities relating to
20 the following:

21 “(i) The development and deployment
22 of technologies in sectors critical to the re-
23 gion served by the regional technology and
24 innovation hub or to national and economic
25 security, including industry-university re-

1 search cooperation, proof of concept, proto-
2 type development, and testing.

3 “(ii) The development of program-
4 ming to support the creation and transfer
5 of intellectual property into private use,
6 such as through startup creation.

7 “(iii) The provision of facilities for
8 technology maturation, including incuba-
9 tors for collaborative development of tech-
10 nologies by private sector, academic, non-
11 profit, and other entities.

12 “(iv) Activities to provide or ensure
13 access to capital for new business and co-
14 operative formation and business expan-
15 sion, or preservation of existing businesses
16 through conversion to employee ownership
17 and cooperatives, including by attracting
18 new private, public, and philanthropic in-
19 vestment and by establishing local and re-
20 gional venture and loan funds, community
21 development financial institutions, and mi-
22 nority depository institutions.

23 “(D) INFRASTRUCTURE-RELATED ACTIVI-
24 TIES.—The building of facilities and site
25 connectivity infrastructure necessary to carry

1 out activities described in subparagraphs (A),
2 (B), and (C), including activities relating to the
3 following:

4 “(i) Establishing a center with re-
5 quired tools and instrumentation for work-
6 force development.

7 “(ii) Establishing a facility for tech-
8 nology development, demonstration, and
9 testing.

10 “(iii) Establishing collaborative incu-
11 bators to support technology commer-
12 cialization and entrepreneur training.

13 “(3) TERM.—

14 “(A) INITIAL PERFORMANCE PERIOD.—
15 The term of an initial grant or cooperative
16 agreement awarded under this subsection shall
17 be for a period that the Secretary deems appro-
18 priate for the proposed activities but not less
19 than 2 years.

20 “(B) SUBSEQUENT PERFORMANCE PE-
21 RIOD.—The Secretary may renew a grant or co-
22 operative agreement awarded to a regional tech-
23 nology and innovation hub under paragraph (1)
24 for such period as the Secretary considers ap-
25 propriate, if the Secretary determines that the

1 regional technology and innovation hub has
2 made satisfactory progress towards the metrics
3 agreed to under subsection (j).

4 “(C) FLEXIBLE APPROACH.—In renewing
5 a grant or cooperative agreement under sub-
6 paragraph (B), the Secretary and the eligible
7 consortium may agree to new or additional uses
8 of funds in order to meet changes in the needs
9 of the region.

10 “(4) LIMITATION ON AMOUNT OF AWARDS.—

11 “(A) INITIAL PERFORMANCE PERIOD.—
12 The amount of an initial grant or cooperative
13 agreements awarded to a regional technology
14 and innovation hub under paragraph (3)(A)
15 shall be no more than \$150,000,000.

16 “(B) SUBSEQUENT PERFORMANCE PE-
17 RIOD.—Upon renewal of a grant or cooperative
18 agreement under paragraph (3)(B), the Sec-
19 retary may award funding in the amount that
20 the Secretary considers appropriate, ensuring
21 that no single regional technology and innova-
22 tion hub receives more than 15 percent of the
23 aggregate amount of the grants and cooperative
24 agreements awarded under this subsection.

25 “(5) MATCHING REQUIRED.—

1 “(A) INITIAL PERFORMANCE PERIOD.—Ex-
2 cept in the case of a regional technology and in-
3 novation hub described in subparagraph (C),
4 the total amount of all grants awarded to a re-
5 gional technology and innovation hub under this
6 subsection in phase one shall not exceed 90 per-
7 cent of the total operating costs of the regional
8 technology and innovation hub during the initial
9 performance period.

10 “(B) SUBSEQUENT PERFORMANCE PE-
11 RIOD.—Except in the case of a regional tech-
12 nology and innovation hub described in sub-
13 paragraph (C), the total amount of all grants
14 awarded to a regional technology and innova-
15 tion hub in subsequent performance periods
16 shall not exceed 75 percent of the total oper-
17 ating costs of the regional technology and inno-
18 vation hub in each year of the grant or coopera-
19 tive agreement.

20 “(C) RURAL COMMUNITIES OR UNDER-
21 SERVED COMMUNITIES AND INDIAN TRIBES.—

22 “(i) IN GENERAL.—The total Federal
23 financial assistance awarded in a given
24 year to a regional technology and innova-

1 tion hub under this subsection shall not ex-
2 ceed amounts as follows:

3 “(I) In the case of a regional
4 technology and innovation hub that
5 primarily serves a rural community or
6 other underserved community, in a
7 fiscal year, 90 percent of the total
8 funding of the regional technology and
9 innovation hub in that fiscal year.

10 “(II) In the case of a regional
11 technology and innovation hub that is
12 led by a Tribal government, in a fiscal
13 year, 100 percent of the total funding
14 of the regional technology and innova-
15 tion hub in that fiscal year.

16 “(ii) MINIMUM THRESHOLD OF RURAL
17 REPRESENTATION.—For purposes of
18 clause (i)(I), the Secretary shall establish a
19 minimum threshold of rural representation
20 and other underserved community rep-
21 resentation in the regional technology and
22 innovation hub.

23 “(D) IN-KIND CONTRIBUTIONS.—For pur-
24 poses of this paragraph, in-kind contributions
25 may be used for part of the non-Federal share

1 of the total funding of a regional technology
2 and innovation hub in a fiscal year.

3 “(6) GRANTS FOR INFRASTRUCTURE.—Any
4 grant or cooperative agreement awarded under this
5 subsection to support the construction of facilities
6 and site connectivity infrastructure shall be awarded
7 pursuant to section 201 of the Public Works and
8 Economic Development Act of 1965 (42 U.S.C.
9 3141) and subject to the provisions of such Act, ex-
10 cept that subsection (b) of such section and sections
11 204 and 301 of such Act (42 U.S.C. 3144; 3161)
12 shall not apply.

13 “(7) RELATION TO CERTAIN GRANT AWARDS.—
14 The Secretary shall not require a regional tech-
15 nology and innovation hub to receive a grant or co-
16 operative agreement under subsection (e) in order to
17 receive a grant or cooperative agreement under this
18 subsection.

19 “(g) APPLICATIONS.—An eligible consortium seeking
20 designation as a regional technology and innovation hub
21 under subsection (d) or a grant or cooperative agreement
22 under subsection (e) or (f) shall submit to the Secretary
23 an application therefore at such time, in such manner, and
24 containing such information as the Secretary may specify.

1 “(h) CONSIDERATIONS FOR DESIGNATION AND
2 AWARD OF STRATEGY IMPLEMENTATION GRANTS AND
3 COOPERATIVE AGREEMENTS.—In selecting an eligible
4 consortium that submitted an application under sub-
5 section (g) for designation under subsection (d) or for a
6 grant or cooperative agreement under subsection (f), the
7 Secretary shall consider the following:

8 “(1) The potential of the eligible consortium to
9 advance the research, development, deployment, and
10 domestic manufacturing of technologies in a tech-
11 nology or innovation sector critical to national and
12 economic security.

13 “(2) The likelihood of positive regional eco-
14 nomic effect, including increasing the number of
15 high wage domestic jobs, creating new economic op-
16 portunities for economically disadvantaged and
17 underrepresented populations, promoting employee
18 and worker ownership, and advancing models of
19 local and cooperative economic development that
20 build and retain wealth in the region.

21 “(3) How the eligible consortium plans to inte-
22 grate with and leverage the resources of 1 or more
23 federally funded research and development centers,
24 National Laboratories, Federal laboratories, Manu-
25 facturing USA institutes, Hollings Manufacturing

1 Extension Partnership centers, or other Federal en-
2 tities.

3 “(4) How the eligible consortium will engage
4 with the private sector, including small- and me-
5 dium-sized businesses and cooperatives, and em-
6 ployee-owned businesses and cooperatives, to com-
7 mercialize new technologies and improve the resil-
8 iency and sustainability of domestic supply chains in
9 a technology or innovation sector critical to national
10 and economic security.

11 “(5) How the eligible consortium will carry out
12 workforce development and skills acquisition pro-
13 gramming, including through partnerships with enti-
14 ties that include State and local workforce develop-
15 ment boards, institutions of higher education, in-
16 cluding community colleges, historically Black col-
17 leges and universities, Tribal colleges and univer-
18 sities, and minority-serving institutions, labor orga-
19 nizations, worker cooperative membership associa-
20 tions, state or local employee ownership and coopera-
21 tive development centers, workforce development
22 programs, and other related activities authorized by
23 the Secretary, to support the development of a
24 skilled technical workforce for the regional tech-
25 nology and innovation hub.

1 “(6) How the eligible consortium will improve
2 or expand science, technology, engineering, and
3 mathematics education programs and opportunities
4 in the identified region in elementary and secondary
5 school and higher education institutions located in
6 the identified region.

7 “(7) How the eligible consortium plans to de-
8 velop partnerships with venture development organi-
9 zations, community development financial institu-
10 tions and minority depository institutions, and
11 sources of private investment in support of private
12 sector activity, including launching new or expanding
13 existing companies.

14 “(8) How the eligible consortium plans to orga-
15 nize the activities of regional partners across sectors
16 in support of a regional technology and innovation
17 hub.

18 “(9) How the eligible consortium plans to pro-
19 cure as many goods, services, food, and supplies as
20 is practicable from locally-owned, employee-owned,
21 minority-owned, and women-owned businesses and
22 cooperatives in conducting hub activities, and how
23 individual consortium members, as applicable, plan
24 to do the same.

1 “(10) How the consortium plans to collaborate
2 with local and community development financial in-
3 stitutions and minority depository institutions to ex-
4 pand the supply of such procurement options, in-
5 cluding by creating business plans and plans for fi-
6 nancing businesses and cooperatives that do not yet
7 exist, and how the consortium plans to encourage
8 entities created as a result of hub activities to follow
9 such practices.

10 “(11) How the eligible consortium will ensure
11 that growth in technology and innovation sector pro-
12 duces opportunity across the identified region, in-
13 cluding for economically disadvantaged, minority,
14 and rural populations, including consideration of
15 how the eligible consortium takes into account the
16 relevant impact of regional status and plans for—

17 “(A) available affordable housing stock
18 and housing policies;

19 “(B) local and regional transportation sys-
20 tems;

21 “(C) high speed internet access; and

22 “(D) primary and secondary education.

23 “(12) How much the regions educational insti-
24 tutions are committed to aligning their activities, in-

1 including research and education, as appropriate, to a
2 region's economic strengths and areas of focus.

3 “(13) The likelihood efforts served by the con-
4 sortium will be sustained once Federal support ends.

5 “(i) COORDINATION AND COLLABORATION.—

6 “(1) COORDINATION WITH REGIONAL INNOVA-
7 TION PROGRAM.—The Secretary shall ensure the ac-
8 tivities under this section do not duplicate activities
9 or efforts under section 27.

10 “(2) COORDINATION AMONG HUBS.—The Sec-
11 retary shall ensure eligible consortia that receive a
12 grant or cooperative agreement under this section
13 coordinate and share best practices for regional eco-
14 nomic development.

15 “(3) COORDINATION WITH PROGRAMS OF THE
16 NATIONAL INSTITUTE OF STANDARDS AND TECH-
17 NOLOGY.—The Secretary shall coordinate the activi-
18 ties of regional technology and innovation hubs des-
19 igned under this section, the Hollings Manufac-
20 turing Extension Partnership, and the Manufac-
21 turing USA Program, as the Secretary considers ap-
22 propriate, to maintain the effectiveness of a manu-
23 facturing extension center or a Manufacturing USA
24 institute.

1 “(4) COORDINATION WITH DEPARTMENT OF
2 ENERGY PROGRAMS.—The Secretary shall, in col-
3 laboration with the Secretary of Energy, coordinate
4 the activities and selection of regional technology
5 and innovation hubs designated under this section,
6 as the Secretaries consider appropriate, to maintain
7 the effectiveness of activities at the Department of
8 Energy and the National Laboratories.

9 “(5) INTERAGENCY COLLABORATION.—In des-
10 ignating regional technology and innovation hubs
11 under subsection (d) and awarding grants or cooper-
12 ative agreements under subsection (f), the Sec-
13 retary—

14 “(A) shall collaborate with Federal depart-
15 ments and agencies whose missions contribute
16 to the goals of the regional technology and in-
17 novation hub, and relevant interagency initia-
18 tives such as the Interagency Working Group
19 for Cooperative Development;

20 “(B) shall consult with the Director of the
21 National Science Foundation for the purpose of
22 ensuring that the regional technology and inno-
23 vation hubs are aligned with relevant science,
24 technology, and engineering expertise; and

1 “(C) may accept funds from other Federal
2 agencies to support grants, cooperative agree-
3 ments, and activities under this section.

4 “(j) PERFORMANCE MEASUREMENT, TRANS-
5 PARENCY, AND ACCOUNTABILITY.—

6 “(1) METRICS, STANDARDS, AND ASSESS-
7 MENT.—For each grant and cooperative agreement
8 awarded under subsection (f) for a regional tech-
9 nology and innovation hub, the Secretary shall—

10 “(A) in consultation with the regional tech-
11 nology and innovation hub, develop metrics,
12 which may include metrics relating to domestic
13 job creation, patent awards, increases in re-
14 search funding, business formation and expan-
15 sion, and participation of individuals or commu-
16 nities historically underrepresented in STEM,
17 to assess the effectiveness of the activities fund-
18 ed in making progress toward the purposes set
19 forth under subsection (b)(1);

20 “(B) establish standards for the perform-
21 ance of the regional technology and innovation
22 hub that are based on the metrics developed
23 under subparagraph (A); and

24 “(C) prior to any award made under a
25 subsequent performance period in subsection (f)

1 and every 2 years thereafter until Federal fi-
2 nancial assistance under this section for the re-
3 gional technology and innovation hub is discon-
4 tinued, conduct an assessment of the regional
5 technology and innovation hub to confirm
6 whether the performance of the regional tech-
7 nology and innovation hub is meeting the stand-
8 ards for performance established under sub-
9 paragraph (B) of this paragraph.

10 “(2) FINAL REPORTS BY RECIPIENTS OF
11 STRATEGY IMPLEMENTATION GRANTS AND COOPER-
12 ATIVE AGREEMENTS.—

13 “(A) IN GENERAL.—The Secretary shall
14 require each eligible consortium that receives a
15 grant or cooperative agreement under sub-
16 section (f) for activities of a regional technology
17 and innovation hub, as a condition of receipt of
18 such grant or cooperative agreement, to submit
19 to the Secretary, not later than 120 days after
20 the last day of the term of the grant or cooper-
21 ative agreement, a report on the activities of
22 the regional technology and innovation hub sup-
23 ported by the grant or cooperative agreement.

1 “(B) CONTENTS OF REPORT.—Each report
2 submitted by an eligible consortium under sub-
3 paragraph (A) shall include the following:

4 “(i) A detailed description of the ac-
5 tivities carried out by the regional tech-
6 nology and innovation hub using the grant
7 or cooperative agreement described in sub-
8 paragraph (A), including the following:

9 “(I) A description of each project
10 the regional technology and innovation
11 hub completed using such grant or co-
12 operative agreement.

13 “(II) An explanation of how each
14 project described in subclause (I)
15 achieves a specific goal under this sec-
16 tion in the region of the regional tech-
17 nology and innovation hub with re-
18 spect to—

19 “(aa) the resiliency and sus-
20 tainability of a supply chain;

21 “(bb) research, development,
22 and deployment of a critical tech-
23 nology;

24 “(cc) workforce training and
25 development;

1 “(dd) domestic job creation;

2 “(ee) entrepreneurship and
3 company formation, including the
4 number of businesses created or
5 preserved through employee own-
6 ership and cooperative develop-
7 ment;;

8 “(ff) commercialization;

9 “(gg) access to private cap-
10 ital; or

11 “(hh) participation of indi-
12 viduals or communities histori-
13 cally underrepresented in STEM.

14 “(ii) A discussion of any obstacles en-
15 countered by the regional technology and
16 innovation hub in the implementation of
17 the regional technology and innovation hub
18 and how the regional technology and inno-
19 vation hub overcame those obstacles.

20 “(iii) An evaluation of the success of
21 the projects of the regional technology and
22 innovation hub using the performance
23 standards and measures established under
24 paragraph (1), including an evaluation of
25 the planning process and how the project

1 contributes to carrying out the regional in-
2 novation strategy of the regional tech-
3 nology and innovation hub.

4 “(iv) The effectiveness of the regional
5 technology and innovation hub in ensuring
6 that, in the region of the regional tech-
7 nology and innovation hub, growth in tech-
8 nology and innovation sectors produces
9 broadly shared opportunity across the re-
10 gion, including for economic disadvantaged
11 and underrepresented populations and
12 rural areas.

13 “(v) Information regarding such other
14 matters as the Secretary may require.

15 “(3) INTERIM REPORTS BY RECIPIENTS OF
16 GRANTS AND COOPERATIVE AGREEMENTS.—In addi-
17 tion to requiring submittal of final reports under
18 paragraph (2)(A), the Secretary may require a re-
19 gional technology and innovation hub described in
20 such paragraph to submit to the Secretary such in-
21 terim reports as the Secretary considers appropriate.

22 “(4) ANNUAL REPORTS TO CONGRESS.—Not
23 less frequently than once each year, the Secretary
24 shall submit to the appropriate committees of Con-
25 gress an annual report on the results of the assess-

1 ments conducted by the Secretary under paragraph
2 (1)(C) during the period covered by the report.

3 “(k) AUTHORIZATION OF APPROPRIATIONS.—There
4 is authorized to be appropriated to the Secretary—

5 “(1) \$50,000,000 to award grants and coopera-
6 tive agreements under subsection (e) for the period
7 of fiscal years 2022 through 2026;

8 “(2) \$2,000,000,000 to award grants and coop-
9 erative agreements under subsection (f) for the pe-
10 riod of fiscal years 2022 and 2023; and

11 “(3) \$4,800,000,000 to award grants and coop-
12 erative agreements under subsection (f) for the pe-
13 riod of fiscal years 2024 through 2026.

14 “(l) ADMINISTRATION.—The Secretary may use
15 funds made available to carry out this section for adminis-
16 trative costs under this section.”.

17 (b) INITIAL DESIGNATIONS AND AWARDS.—

18 (1) COMPETITION REQUIRED.—Not later than 1
19 year after the date of the enactment of this section,
20 subject to the availability of appropriations, the Sec-
21 retary of Commerce shall commence a competition
22 under subsection (d)(1) of section 28 of the Steven-
23 son-Wydler Technology Innovation Act of 1980 (15
24 U.S.C. 3723) as added by subsection (a).

1 (2) DESIGNATION AND AWARD.—Not later than
2 1 year after the date of the enactment of this sec-
3 tion, if the Secretary has received at least 1 applica-
4 tion under subsection (g) of section 28 of the Ste-
5 venson-Wydler Technology Innovation Act of 1980
6 (15 U.S.C. 3723) from an eligible consortium whom
7 the Secretary considers suitable for designation
8 under subsection (d)(1) of such section, the Sec-
9 retary shall—

10 (A) designate at least 1 regional tech-
11 nology and innovation hub under subsection
12 (d)(1) of such section; and

13 (B) award a grant or cooperative agree-
14 ment under subsection (f)(1) of such section to
15 each regional technology and innovation hub
16 designated pursuant to subparagraph (A) of
17 this paragraph.

18 **SEC. 10642. REGIONAL CLEAN ENERGY INNOVATION PRO-**
19 **GRAM.**

20 Subtitle C of title IX of the Energy Independence and
21 Security Act of 2007 is amended by adding at the end
22 the following:

23 **“SEC. 936. REGIONAL CLEAN ENERGY INNOVATION PRO-**
24 **GRAM.**

25 “(a) DEFINITIONS.—In this section:

1 “(1) REGIONAL CLEAN ENERGY INNOVATION
2 PARTNERSHIP.—The term ‘regional clean energy in-
3 novation partnership’ means a group of one or more
4 persons, including a covered consortium, who per-
5 form a collection of activities that are coordinated by
6 such covered consortium to carry out the purposes
7 of the program under subsection (c) in a region of
8 the United States.

9 “(2) COVERED CONSORTIUM.—The term ‘cov-
10 ered consortium’ means an individual or group of in-
11 dividuals in partnership with a government entity,
12 including a State, local, or tribal government or unit
13 of such government, and at least 2 or more of the
14 following additional entities—

15 “(A) an institution of higher education or
16 a consortium of institutions of higher education;

17 “(B) a workforce training provider, includ-
18 ing vocational schools and community colleges;

19 “(C) a private sector entity;

20 “(D) a nonprofit organization;

21 “(E) a community group;

22 “(F) a labor organization;

23 “(G) a National Laboratory;

24 “(H) a venture development organization;

1 “(I) a community development financial in-
2 stitution or minority depository institution;

3 “(J) a worker cooperative membership as-
4 sociation or state or local employee ownership
5 or cooperative development center;

6 “(K) an organization focused on clean en-
7 ergy technology innovation or entrepreneurship;

8 “(L) a business accelerator or incubator;

9 “(M) a private sector entity or group of
10 entities, including a trade or industry associa-
11 tion;

12 “(N) an economic development organiza-
13 tion;

14 “(O) a manufacturing facility or organiza-
15 tion;

16 “(P) a clean energy incubator or accel-
17 erator;

18 “(Q) a multi-institutional collaboration; or

19 “(R) any other entity that the Secretary
20 determines to be relevant.

21 “(3) PROGRAM.—The term ‘program’ means
22 the Regional Clean Energy Innovation Program au-
23 thorized in subsection (b).

24 “(b) IN GENERAL.—The Secretary shall establish a
25 Regional Clean Energy Innovation Program, a research,

1 development, demonstration, and commercial application
2 program designed to enhance the economic, environ-
3 mental, and energy security of the United States and ac-
4 celerate the pace of innovation of diverse clean energy
5 technologies through the formation or support of regional
6 clean energy innovation partnerships that—

7 “(1) account for the diverse domestic energy re-
8 sources available throughout the United States;

9 “(2) are responsive to the needs of industry,
10 workforce, policy landscape, and clean energy inno-
11 vation capabilities of the region in which such part-
12 nership is located;

13 “(3) enhance and accelerate clean energy inno-
14 vation;

15 “(4) are located in diverse geographic regions of
16 the United States, including United States terri-
17 tories; and

18 “(5) maximize the opportunities for cooperation
19 between institutes of higher education, industry,
20 State and local governments, and nonprofit research
21 institutions with shared areas of energy expertise.

22 “(c) PURPOSES OF THE PROGRAM.—The purposes of
23 the Program established under subsection (b) are to—

24 “(1) improve the competitiveness of United
25 States’ clean energy technology research, develop-

1 ment, demonstration, and commercial application;
2 and

3 “(2) support the development of tools and tech-
4 nologies best suited for use in diverse regions of the
5 United States, including in rural, tribal, and low-in-
6 come communities.

7 “(d) REGIONAL CLEAN ENERGY INNOVATION PART-
8 NERSHIPS.—

9 “(1) IN GENERAL.—The Secretary shall com-
10 petitively award grants to covered consortia to estab-
11 lish or support regional clean energy innovation
12 partnerships that achieve the purposes of the Pro-
13 gram in subsection (c).

14 “(2) PERMISSIBLE ACTIVITIES.—Grants award-
15 ed under this subsection shall be used for activities
16 determined appropriate by the Secretary to achieve
17 the purposes of the Program in subsection (c), in-
18 cluding—

19 “(A) facilitating the commercial applica-
20 tion of clean energy products, processes, and
21 services, including through research, develop-
22 ment, demonstration, or technology transfer;

23 “(B) planning among participants of a re-
24 gional clean energy innovation partnership to

1 improve the strategic and cost-effective coordi-
2 nation of the partnership;

3 “(C) improving stakeholder involvement in
4 the development of goals and activities of a re-
5 gional clean energy innovation partnership;

6 “(D) assessing different incentive mecha-
7 nisms for clean energy development and com-
8 mercial application in the region;

9 “(E) hosting events and conferences; and

10 “(F) establishing and updating roadmaps
11 to measure progress on relevant goals, such as
12 those relevant to metrics developed under sub-
13 section (g).

14 “(3) APPLICATIONS.—Each application sub-
15 mitted to the Secretary under paragraph (1) may in-
16 clude—

17 “(A) a list of members and roles of mem-
18 bers of the covered consortia, as well as any
19 other stakeholders supporting the activities of
20 the regional clean energy innovation partner-
21 ship;

22 “(B) a description of the proposed out-
23 comes of the regional clean energy innovation
24 partnership;

1 “(C) an assessment of the relevant clean
2 energy innovation assets needed in a region to
3 achieve proposed outcomes, such as education
4 and training programs, research facilities, infra-
5 structure or site development, access to capital,
6 manufacturing capabilities, or other assets;

7 “(D) a description of proposed activities
8 that the regional clean energy innovation part-
9 nership plans to undertake and how the pro-
10 posed activities will achieve the purposes de-
11 scribed in subsection (c) and the proposed out-
12 comes in subparagraph (B);

13 “(E) a description of the geographical re-
14 gion that will engage in the regional clean en-
15 ergy innovation partnership;

16 “(F) a plan for attracting additional funds
17 and identification of funding sources from non-
18 Federal sources to deliver the proposed out-
19 comes of the regional clean energy innovation
20 partnership;

21 “(G) a plan for partnering and collabo-
22 rating with community development financial
23 institutions and minority depository institu-
24 tions, labor organizations and community
25 groups, worker cooperative membership associa-

1 tions, local and state employee ownership and
2 cooperative development centers, and other local
3 institutions in order to promote employee, com-
4 munity, and public ownership in the clean en-
5 ergy sector, and advance models of local eco-
6 nomic development that build and retain wealth
7 in the region;

8 “(H) a plan for sustaining activities of the
9 regional clean energy innovation partnership
10 after funds received under this program have
11 been expended; and

12 “(I) a proposed budget, including financial
13 contributions from non-Federal sources.

14 “(4) CONSIDERATIONS.—In selecting covered
15 consortia for funding under the Program, the Sec-
16 retary shall, to the maximum extent practicable—

17 “(A) give special consideration to applica-
18 tions from rural, tribal, and low-income commu-
19 nities; and

20 “(B) ensure that there is geographic diver-
21 sity among the covered consortia selected to re-
22 ceive funding.

23 “(5) AWARD AMOUNT.—Grants given out under
24 this Program shall be in an amount not greater than

1 \$10,000,000, with the total grant award in any year
2 less than that in the previous year.

3 “(6) COST SHARE.—For grants that are dis-
4 bursed over the course of three or more years, the
5 Secretary shall require, as a condition of receipt of
6 funds under this section, that a covered consortium
7 provide not less than 50 percent of the funding for
8 the activities of the regional clean energy partner-
9 ship under this section for years 3, 4, and 5.

10 “(7) DURATION.—Each grant under paragraph
11 shall be for a period of not longer than 5 years.

12 “(8) RENEWAL.—A grant awarded under this
13 section may be renewed for a period of not more
14 than 5 years, subject to a rigorous merit review
15 based on the progress of a regional clean energy in-
16 novation partnership towards achieving the purposes
17 of the program in subsection (e) and the metrics de-
18 veloped under subsection (g).

19 “(9) TERMINATION.—Consistent with the exist-
20 ing authorities of the Department, the Secretary
21 may terminate grant funding under this subsection
22 to covered consortia during the performance period
23 if the Secretary determines that the regional clean
24 energy innovation partnership is underperforming.

1 “(10) ADMINISTRATIVE COSTS.—The Secretary
2 may allow a covered consortium that receives funds
3 under this section to allocate a portion of the fund-
4 ing received to be used for administrative or indirect
5 costs.

6 “(11) FUNDING.—The Secretary may accept
7 funds from other Federal agencies to support fund-
8 ing and activities under this section.

9 “(e) PLANNING FUNDS.—The Secretary may com-
10 petitively award grants in an amount no greater than
11 \$2,000,000 for a period not longer than 2 years to an enti-
12 ty consisting of a government entity, including a State,
13 local, or tribal government or unit of such government or
14 any entity listed under subsection (a)(2) to plan a regional
15 clean energy innovation partnership or establish a covered
16 consortium for the purpose of applying for funds under
17 subsection (b).

18 “(f) INFORMATION SHARING.—As part of the pro-
19 gram, the Secretary shall support the gathering, analysis,
20 and dissemination of information on best practices for de-
21 veloping and operating successful regional clean energy in-
22 novation partnerships.

23 “(g) METRICS.—In evaluating a grant renewals
24 under subsection (d)(8), the Secretary shall work with pro-
25 gram evaluation experts to develop and make publicly

1 available metrics to assess the progress of a regional clean
2 energy innovation partnership towards achieving the pur-
3 poses of the program in subsection (c). Such metrics may
4 include—

5 “(1) the number and quality of—

6 “(A) new clean energy companies created
7 in the region as a result of activities carried out
8 under the regional clean energy innovation part-
9 nership, including those created or preserved
10 through employee ownership and cooperative
11 development;

12 “(B) new or expanded workforce develop-
13 ment or training programs; and

14 “(C) support services provided to clean en-
15 ergy technology developers in the region;

16 “(2) changes in clean energy employment in the
17 region as a result of activities carried out under the
18 regional clean energy innovation partnership; and

19 “(3) the amount of capital investment in clean
20 energy companies in the region as a result of activi-
21 ties carried out under the regional clean energy in-
22 novation partnership grant.

23 “(h) COORDINATION.—In carrying out the program,
24 the Secretary shall coordinate with, and avoid unnecessary

1 duplication of, the activities carried out under this section
2 with the activities of—

3 “(1) other research entities of the Department,
4 including the National Laboratories, the Office of
5 Science, the Advanced Research Projects Agency-
6 Energy, the Office of Technology Transitions, En-
7 ergy Innovation Hubs, and Energy Frontier Re-
8 search Centers; and

9 “(2) relevant programs at other Federal agen-
10 cies, including—

11 “(A) the Office of Innovation and Entre-
12 preneurship under the Economic Development
13 Administration, including the Regional Innova-
14 tion Program under section 27 of the Steven-
15 son-Wydler Technology Innovation Act of 1980
16 (15 U.S.C. 3722);

17 “(B) the Hollings Manufacturing Exten-
18 sion Partnership Program under section 25 of
19 the National Institute of Standards and Tech-
20 nology Act (15 U.S.C. 278k);

21 “(C) the Manufacturing USA Program
22 under section 34 of the National Institute of
23 Standards and Technology Act (15 U.S.C.
24 278s);

1 “(D) the Defense Manufacturing Commu-
2 nities Support Program under section 846 of
3 the John S. McCain National Defense Author-
4 ization Act for Fiscal Year 2019 (10 U.S.C.
5 2501 note);

6 “(E) the Office of Economic Adjustment
7 at the Department of Defense; and

8 “(F) Rural Development at the United
9 States Department of Agriculture.

10 “(i) CONFLICTS OF INTEREST.—In carrying out the
11 program, the Secretary shall maintain conflict of interest
12 procedures, consistent with the conflict of interest proce-
13 dures of the Department.

14 “(j) EVALUATION BY COMPTROLLER GENERAL.—
15 Not later than 3 years after the date of the enactment
16 of this Act, and every 3 years thereafter, the Comptroller
17 General shall submit to the Committee on Science, Space,
18 and Technology of the House of Representatives and the
19 Committee on Energy and Natural Resources of the Sen-
20 ate an evaluation on the operation of the program during
21 the most recent 3-year period, including—

22 “(1) an assessment of the progress made to-
23 wards achieving the purposes specified in subsection
24 (c) based on the metrics developed under subsection
25 (g);

1 “(2) the short-term and long-term metrics used
2 to determine the success of the program under sub-
3 section (g), and any changes recommended to the
4 metrics used;

5 “(3) the regional clean energy innovation part-
6 nerships established or supported by covered con-
7 sortia that have received grants under subsection
8 (d); and

9 “(4) any recommendations on how the program
10 may be improved.

11 “(k) NATIONAL LABORATORIES.—In supporting
12 technology transfer activities at the National Laboratories,
13 the Secretary shall encourage partnerships with entities
14 that are located in the same region or State as the Na-
15 tional Laboratory.

16 “(l) SECURITY.—In carrying out the activities under
17 this section, the Secretary shall ensure proper security
18 controls are in place to protect sensitive information, as
19 appropriate.

20 “(m) NO FUNDS FOR CONSTRUCTION.—No funds
21 provided to the Department of Energy under this section
22 shall be used for construction.

23 “(n) AUTHORIZATION OF APPROPRIATIONS.—There
24 are authorized to be appropriated to the Secretary to carry

1 out this section \$50,000,000 for each of fiscal years 2022
2 through 2026.”.

3 **SEC. 10643. CRITICAL TECHNOLOGY AND INNOVATION ANA-**
4 **LYTICS PROGRAM.**

5 (a) IN GENERAL.—The Secretary of Commerce shall
6 carry out a program of data collection and analysis of
7 technology and innovation sectors critical to realizing na-
8 tional objectives, including national security, economic
9 prosperity, and social welfare.

10 (b) PURPOSE.—The purpose of the program shall
11 be—

12 (1) To serve as a central Federal clearinghouse
13 for the collection, interpretation, analysis, and dis-
14 semination of objective data on the nation’s tech-
15 nology, innovation, and advanced manufacturing ca-
16 pacity;

17 (2) To improve assessment of the nation’s re-
18 search, technology, and manufacturing assistance
19 programs, including the regional innovation pro-
20 grams established in section 27 and 28 of the Ste-
21 venson-Wydler Technology Innovation Act of 1980
22 (Public Law 96–480; 15 U.S.C. 3701 et seq.);

23 (3) To assess U.S. competitiveness in tech-
24 nology and innovation sectors; and

1 (4) To support national policy and decision
2 making in both the public and private sectors to en-
3 sure United States leadership in technology and in-
4 novation sectors critical to national security, eco-
5 nomic prosperity and social welfare.

6 (c) ACTIVITIES.—In carrying out this section, the
7 Secretary shall—

8 (1) collect, acquire, analyze, report, and dis-
9 seminate data related to critical technology, innova-
10 tion, and production capacity in the United States
11 and other nations that is relevant and useful to
12 practitioners, researchers, policymakers, and the
13 public, including data on—

14 (A) regional technology and innovation ca-
15 pacity, including research and development ac-
16 tivity, entrepreneurship, intellectual property
17 generation, company formation, advanced tech-
18 nology capital equipment investment, and tech-
19 nology transfer;

20 (B) supply chains, including domestic and
21 international production capacity, inter-firm
22 transactions, and resiliency for select end-prod-
23 ucts and their intermediate inputs;

1 (C) the skilled technical and production
2 workforce required in different critical tech-
3 nology and innovation sectors;

4 (D) the participation of individuals and
5 communities historically underrepresented in
6 STEM; and

7 (E) any other area the Secretary deter-
8 mines appropriate;

9 (2) request from any person or entity informa-
10 tion, data, and reports as may be required to carry
11 out the purposes of this subtitle;

12 (3) support research using the data it collects,
13 and on methodologies in areas related to the activi-
14 ties carried out under the program; and

15 (4) Conduct other activities deemed by the Sec-
16 retary to be critical for the development of analytic
17 capabilities, statistics, datasets, and metrics related
18 to critical technologies and innovation.

19 (d) OTHER TRANSACTIONS AUTHORITIES.—In car-
20 rying out this section, the Secretary may enter into and
21 perform such contracts, including cooperative research
22 and development arrangements and grants and coopera-
23 tive agreements or other transactions, as may be necessary
24 in the conduct of the work of the program and on such
25 terms as the Secretary considers appropriate;

1 (e) COORDINATION.—The Secretary shall collaborate
2 with Federal statistical agencies, as appropriate, to carry
3 out the purposes of this section, including by entering into
4 cooperative data sharing agreements that comply with all
5 laws and regulations applicable to the disclosure and use
6 of data;

7 (f) CONSULTATION.—In conducting the activities re-
8 quired under subsection (c), the Secretary shall solicit
9 input from relevant stakeholders on critical technology
10 and sector needs, practices, and goals related to creating
11 statistics, metrics, data sets, and modeling.

12 (g) ADMINISTRATION.—The Secretary may carry out
13 this program through existing programs and bureaus of
14 the Department of Commerce, as appropriate.

15 (h) ACCESS TO FEDERAL DATA.—In carrying out
16 subsection (c), the Secretary shall be given access to all
17 information, data, or reports that the Secretary deter-
18 mines necessary to carry out this section by any Federal
19 agency upon written request and subject to any statutory
20 or regulatory restrictions. Where practicable, the Sec-
21 retary should incorporate data collection into existing sur-
22 vey instruments.

23 (i) AUTHORIZATION OF APPROPRIATIONS.—There is
24 authorized to be appropriated to the Secretary

1 \$100,000,000 to conduct activities under this section for
2 the period of fiscal years 2022 through 2026.

3 **Subtitle E—Malign Foreign Talent**
4 **Recruitment Program Prohibition**

5 **SEC. 10651. MALIGN FOREIGN TALENT RECRUITMENT PRO-**
6 **GRAM PROHIBITION.**

7 (a) IN GENERAL.—Not later than 18 months after
8 the date of enactment of this Act, each Federal research
9 agency shall establish a policy that, as part of a proposal
10 for a research and development award from the agency—

11 (1) each covered individual listed in the pro-
12 posal for a research and development award certify
13 that they are not a party to a malign foreign talent
14 recruitment program from a foreign country of con-
15 cern in their proposal submission and annually
16 thereafter for the duration of the award; and

17 (2) each institution of higher education or other
18 organization applying for such an award certify that
19 each covered individual who is employed by the insti-
20 tution of higher education or other organization has
21 been made aware of the requirement under this sec-
22 tion.

23 (b) STAKEHOLDER INPUT.—In establishing a policy
24 under subsection (a), agencies shall go through a notice
25 and comment process.

1 (c) COMPLIANCE WITH EXISTING LAW.—Each Fed-
2 eral research agency and grantee shall comply with title
3 VI of the Civil Rights Act of 1964 (42 U.S.C. 2000d et
4 seq.) in the development and implementation of policies
5 developed under subsection (a).

6 (d) INTERNATIONAL COLLABORATION.—Each policy
7 developed under subsection (a) shall not prohibit—

8 (1) making scholarly presentations and pub-
9 lishing written materials regarding scientific infor-
10 mation not otherwise controlled under current law;

11 (2) participation in international conferences or
12 other international exchanges, research projects or
13 programs that involve open and reciprocal exchange
14 of scientific information, and which are aimed at ad-
15 vancing international scientific understanding;

16 (3) advising a foreign student enrolled at the
17 covered individual's institution of higher education
18 or writing a recommendation for such a student, at
19 the student's request; and

20 (4) other international activities deemed appro-
21 priate by the Federal research agency head or their
22 designee.

23 (e) LIMITATION.—The certifications required under
24 subsection (a) shall not apply retroactively to research and

1 development awards made or applied for prior to the es-
2 tablishment of the policy by the Federal research agency.

3 (f) DEFINITIONS.—In this section:

4 (1) The term “covered individual” means an in-
5 dividual who—

6 (A) contributes in a substantive, meaning-
7 ful way to the scientific development or execu-
8 tion of a research and development project pro-
9 posed to be carried out with a research and de-
10 velopment award from a Federal research agen-
11 cy; and

12 (B) is designated as a covered individual
13 by the Federal research agency concerned.

14 (2) The term “Federal research agency” means
15 any Federal agency with an annual extramural re-
16 search expenditure of over \$100,000,000.

17 (3) The term “foreign country of concern”
18 means the People’s Republic of China, the Demo-
19 cratic People’s Republic of Korea, the Russian Fed-
20 eration, the Islamic Republic of Iran, or any other
21 country deemed to be a country of concern as deter-
22 mined by the Department of State.

23 (4) The term “Malign foreign talent program”
24 means any program, position, or activity that in-
25 cludes compensation in the form of cash, research

1 funding, promised future compensation, or things of
2 non de minimis value, directly provided by a foreign
3 country of concern at any level (national, provincial
4 or local) or an entity based in a foreign country of
5 concern, whether or not directly sponsored by the
6 foreign country of concern, to the targeted individual
7 in exchange for the individual—

8 (A) engaging in the unauthorized transfer
9 of intellectual property, materials, or data prod-
10 ucts owned by a U.S. entity or developed with
11 a federal research and development award to
12 the government of a foreign country of concern
13 or an entity based in a foreign country of con-
14 cern regardless of whether that government or
15 entity provided support for the development of
16 the intellectual property, materials, or data
17 products;

18 (B) being required to recruit trainees or
19 researchers to enroll in malign foreign talent
20 programs sponsored by a foreign country of
21 concern or an entity based in a foreign country
22 of concern; or

23 (C) establishing a laboratory and/or com-
24 pany, accepting a faculty position, or under-
25 taking any other employment or appointment in

1 a foreign country of concern or an entity based
2 in a foreign country of concern if such activities
3 are contrary to the standard terms and condi-
4 tions of a federal research and development
5 award.

6 (5) The term “research and development
7 award” means support provided to an individual or
8 entity by a Federal research agency to carry out re-
9 search and development activities, which may include
10 support in the form of a grant, contract, cooperative
11 agreement, or other such transaction. The term does
12 not include a grant, contract, agreement or other
13 transaction for the procurement of goods or services
14 to meet the administrative needs of a Federal re-
15 search agency.

16 **Subtitle F—Microelectronics**
17 **Research for Energy Innovation**

18 **SEC. 10661. DEFINITIONS.**

19 In this subtitle:

20 (1) DEPARTMENT.—The term “Department”
21 means the Department of Energy.

22 (2) HISTORICALLY BLACK COLLEGE AND UNI-
23 VERSITY.—The term “historically Black college and
24 university” has the meaning given the term “part B

1 institution” in section 322 of the Higher Education
2 Act of 1965 (20 U.S.C. 1061).

3 (3) INSTITUTION OF HIGHER EDUCATION.—The
4 term “institution of higher education” has the
5 meaning given the term in section 101(a) of the
6 Higher Education Act of 1965 (20 U.S.C. 1001(a)).

7 (4) MINORITY SERVING INSTITUTION.—The
8 term “minority serving institution” includes the en-
9 tities described in any of the paragraphs (1) through
10 (7) of section 371(a) of the Higher Education Act
11 of 1965 (20 U.S.C. 1067q(a)).

12 (5) NATIONAL LABORATORY.—The term “Na-
13 tional Laboratory” has the meaning given the term
14 in section 2 of the Energy Policy Act of 2005 (42
15 U.S.C. 15801).

16 (6) SECRETARY.—The term “Secretary” means
17 the Secretary of Energy.

18 (7) SKILLED TECHNICAL WORKFORCE.—The
19 term “skilled technical workforce” has the meaning
20 given such term in section 4(b) of the Innovations
21 in Mentoring, Training, and Apprenticeships Act (42
22 U.S.C. 1862p).

23 (8) TRIBAL COLLEGE AND UNIVERSITY.—The
24 term “Tribal College and University” has the mean-

1 ing given in section 316 of the Higher Education
2 Act of 1965 (20 U.S.C. 1059c).

3 **SEC. 10662. FINDINGS.**

4 Congress finds that—

5 (1) the coming end of Moore’s Law presents
6 major technological challenges and opportunities for
7 the United States and important implications for na-
8 tional security, economic competitiveness, and sci-
9 entific discovery;

10 (2) future progress and innovation in microelec-
11 tronics, and maintaining a robust domestic micro-
12 electronics supply chain, will require an approach
13 that advances relevant materials science, electronic
14 and photonic device technologies, processing and
15 packaging technologies, manufacturing technologies,
16 circuit, chip, and system architecture, and software
17 system and algorithm development in a co-design
18 fashion;

19 (3) the National Laboratories possess unique
20 technical expertise and user facilities that are essen-
21 tial to overcoming foundational research challenges
22 relevant to the topics described in paragraph (2),
23 and translating and transferring research outcomes
24 to industry; and

1 (4) the assets described in paragraph (3) will
2 enable the Department to drive advances in micro-
3 electronics that are essential to meeting future needs
4 in areas critical to its missions as well as the future
5 competitiveness of the domestic microelectronics in-
6 dustry, including high-performance computing,
7 emerging data-centric computing approaches, and
8 energy-efficient computing; optical sensors, sources,
9 and wireless networks; and power electronics and
10 electricity delivery systems.

11 **SEC. 10663. MICROELECTRONICS RESEARCH PROGRAM.**

12 (a) IN GENERAL.—The Secretary shall carry out a
13 cross-cutting program of research, development, and dem-
14 onstration of microelectronics relevant to the mission of
15 the Department and in the service of the Nation’s global
16 competitiveness in the field of microelectronics. In car-
17 rying out this program, the Secretary shall coordinate
18 across all relevant programs and offices of the Depart-
19 ment.

20 (b) RESEARCH AREAS.—In carrying out the program
21 under subsection (a), the Secretary shall award financial
22 assistance to eligible entities under subsection (c) to carry
23 out research projects in—

24 (1) foundational science areas, including—

- 1 (A) materials sciences, chemical sciences,
2 and plasma science synthesis, and fabrication;
- 3 (B) novel microelectronics devices, includ-
4 ing emerging memory and storage technologies;
- 5 (C) diverse computing architectures and
6 paradigms, including analog computing and
7 edge computing;
- 8 (D) data-driven modeling and simulation;
- 9 (E) integrated sensing, power harvesting,
10 and communications;
- 11 (F) component integration and subsystems;
- 12 (G) photonic integration; and
- 13 (H) development of co-design frameworks
14 for all stages of microelectronics design, devel-
15 opment, fabrication, and application;
- 16 (2) cybersecurity by design to result in trusted
17 and resilient microelectronics;
- 18 (3) methods for leveraging advanced simulation
19 and artificial intelligence to enhance co-design and
20 discovery in microelectronics;
- 21 (4) in consultation with the National Institute
22 of Standards and Technology, fabrication and proc-
23 essing science and metrology associated with micro-
24 electronics manufacturing, including lithography,
25 patterning, surface deposition, etching, and cleaning;

1 (5) approaches for optimizing system-level en-
2 ergy efficiency of advanced computing systems, the
3 electrical grid, power electronics, and other energy
4 infrastructure;

5 (6) approaches for enhancing the durability and
6 lifetime of radiation-hardened electronics;

7 (7) enhancement of microelectronics security,
8 including the development of integrated devices,
9 packages, and thermal management for severe envi-
10 ronments and national security; and

11 (8) in coordination with other relevant initia-
12 tives at the Department, methods to improve the
13 lifetime, maintenance, decommissioning, recycling,
14 reuse, and sustainability of microelectronics compo-
15 nents and systems, including technologies and strat-
16 egies that reduce the use of energy, water, critical
17 materials, and other commodities that are deter-
18 mined to be vulnerable to disruption.

19 (c) ELIGIBLE ENTITIES.—The entities eligible to re-
20 ceive financial assistance under this section include—

21 (1) an institution of higher education, including
22 historically Black colleges and universities, Tribal
23 colleges and universities, and minority serving insti-
24 tutions;

25 (2) a nonprofit research organization;

- 1 (3) a State research agency;
- 2 (4) a National Laboratory;
- 3 (5) a private commercial entity;
- 4 (6) a partnership or consortium of 2 or more
- 5 entities described in paragraphs (1) through (5); and
- 6 (7) any other entities the Secretary deems ap-
- 7 propriate.

8 (d) TECHNOLOGY TRANSFER.—In carrying out the
9 program described in subsection (a), the Secretary, in co-
10 ordination with the Director of the Office of Technology
11 Transitions, and in consultation with the private sector,
12 shall support translational research and transfer of micro-
13 electronics technologies and identify emerging research
14 and development needs of industry and government for the
15 benefit of United States economic competitiveness.

16 (e) WORKFORCE DEVELOPMENT.—In carrying out
17 the program under subsection (a), the Secretary shall sup-
18 port—

19 (1) workforce development through the existing
20 authorities and mechanisms available to the Depart-
21 ment, including internships, fellowships, individual
22 investigator grants, and other activities the Sec-
23 retary deems appropriate; and

24 (2) education and outreach activities to dissemi-
25 nate information and promote understanding of

1 microelectronics and related fields among students
2 at K-12, undergraduate, and graduate levels. Such
3 activities may include educational programming with
4 an emphasis on experiential and project-based learn-
5 ing. The Secretary shall consult with the Director of
6 the National Science Foundation on activities car-
7 ried out this paragraph.

8 (f) OUTREACH.—In carrying out activities under sub-
9 section (e), the Secretary shall ensure program outreach
10 to recruit applicants and engage participants from all re-
11 gions of the country, especially underserved communities
12 and groups historically underrepresented in STEM.

13 (g) REPORT.—Not less than 180 days after the en-
14 actment of this Act, the Secretary shall submit to the
15 Committee on Science, Space, and Technology of the
16 House of Representatives, and the Committee on Energy
17 and Natural Resources of the Senate, a report describing
18 the goals, priorities, and anticipated outcomes of the pro-
19 gram described in subsection (a).

20 (h) FUNDING.—There are authorized to be appro-
21 priated to the Secretary to carry out the activities de-
22 scribed in this section—

- 23 (1) \$75,000,000 for fiscal year 2022;
- 24 (2) \$100,000,000 for fiscal year 2023;
- 25 (3) \$100,000,000 for fiscal year 2024;

1 (4) \$100,000,000 for fiscal year 2025; and

2 (5) \$100,000,000 for fiscal year 2026.

3 **SEC. 10664. MICROELECTRONICS SCIENCE RESEARCH CEN-**
4 **TERS.**

5 (a) IN GENERAL.—In carrying out the program
6 under section 10663, the Secretary, acting through the
7 Director of the Office of Science, shall establish up to four
8 Microelectronics Science Research Centers (referred to in
9 this section as “Centers”) to conduct mission-driven re-
10 search to address foundational challenges in the design,
11 development, characterization, prototyping, demonstra-
12 tion, and fabrication of microelectronics and to facilitate
13 the translation of research results to industry.

14 (b) ACTIVITIES.—The activities of the Centers au-
15 thorized under this section shall include research, develop-
16 ment, and demonstration activities for—

17 (1) accelerating the development of new micro-
18 electronics science and technology, including mate-
19 rials, devices, circuits, systems, architectures, fab-
20 rication tools, processes, diagnostics, modeling, syn-
21 thesis, and, in consultation with the National Insti-
22 tute of Standards and Technology, metrology;

23 (2) advancing the sustainability and energy effi-
24 ciency of new microelectronics devices, packages, and
25 systems;

1 (3) application-driven co-design and prototyping
2 of novel devices to facilitate laboratory-to-fabrication
3 transition;

4 (4) advancing knowledge and experimental ca-
5 pabilities in surface and materials science, plasma
6 science, and computational and theoretical methods,
7 including artificial intelligence, multi-scale co-design,
8 and advanced supercomputing capabilities to invent
9 and manufacture revolutionary microelectronic de-
10 vices;

11 (5) creating technology testbeds for prototyping
12 platforms for validation and verification of new ca-
13 pabilities and sharing of ideas, intellectual property,
14 and the unique facilities of the Department;

15 (6) supporting development of cybersecurity ca-
16 pabilities for computing architectures that measur-
17 ably improve safety and security, and that are
18 adaptable for existing and future applications; and

19 (7) supporting long-term and short-term work-
20 force development in microelectronics.

21 (c) REQUIREMENTS.—

22 (1) SELECTION AND DURATION.—The Director
23 of the Office of Science shall select Centers on a
24 competitive, merit-reviewed basis for a period of not
25 more than 5 years, subject to the availability of ap-

1 appropriations, beginning on the date of establishment
2 of that Center.

3 (2) APPLICATIONS.—An eligible applicant under
4 this subsection shall submit to the Director of the
5 Office of Science an application at such time, in
6 such manner, and containing such information as
7 the Director deems appropriate.

8 (3) ELIGIBLE APPLICANTS.—The Director of
9 the Office of Science shall consider applications
10 from—

11 (A) National Laboratories;

12 (B) institutions of higher education, in-
13 cluding historically Black colleges and univer-
14 sities, Tribal colleges and universities, and mi-
15 nority serving institutions;

16 (C) private industry;

17 (D) research centers;

18 (E) consortia of 2 or more of the entities
19 described in subparagraphs (A) through (D);
20 and

21 (F) any other entity that the Secretary of
22 Energy deems appropriate.

23 (4) RENEWAL.—After the end of either period
24 described in paragraph (1), the Director of the Of-
25 fice of Science may renew support for the Center for

1 a period of not more than 5 years on a merit-re-
2 viewed basis. For a Center in operation for 10 years
3 after its previous selection on a competitive, merit-
4 reviewed basis, the Director may renew support for
5 the center on a competitive, merit-reviewed basis for
6 a period of not more than 5 years, and may subse-
7 quently provide an additional renewal on a merit-re-
8 viewed basis for a period of not more than 5 years.

9 (5) **TERMINATION.**—Consistent with the exist-
10 ing authorities of the Department, the Director of
11 the Office of Science may terminate an underper-
12 forming center for cause during the performance pe-
13 riod.

14 (d) **TECHNOLOGY TRANSFER.**—The Director of the
15 Office of Science, in coordination with the Director of the
16 Office of Technology Transitions, shall implement part-
17 nerships with industry groups for the purpose of facili-
18 tating the translation and transfer of research results pro-
19 duced by the Centers.

20 (e) **COORDINATION.**—The Secretary shall—

21 (1) establish a coordinating network to coordi-
22 nate cross-cutting research and foster communica-
23 tion and collaboration among the Centers; and

1 (2) ensure the coordination, and avoid unneces-
2 sary duplication, of the activities of each Center with
3 the activities of—

4 (A) other research entities of the Depart-
5 ment, including—

6 (i) the Nanoscale Science Research
7 Centers;

8 (ii) the National Quantum Informa-
9 tion Science Research Centers;

10 (iii) the Energy Frontier Research
11 Centers;

12 (iv) the Energy Innovation Hubs;

13 (v) the National Laboratories; and

14 (vi) other offices of the Department;

15 (B) the National Semiconductor Tech-
16 nology Center authorized in title XCIX of divi-
17 sion H of the William M. (Mac) Thornberry
18 National Defense Authorization Act for Fiscal
19 Year 2021 (Public Law 116–283);

20 (C) institutions of higher education;

21 (D) industry; and

22 (E) research activities carried out by other
23 Federal agencies.

1 (f) WORKFORCE DEVELOPMENT.—Centers estab-
2 lished under this section shall support workforce develop-
3 ment through—

4 (1) incorporation of undergraduate students,
5 postdoctoral fellows, graduate students, and early
6 career researchers, as well as K-12 students through
7 opportunities such as dual-enrollment programs and
8 work-based learning programs, as applicable;

9 (2) hand-on research and equipment training
10 programs;

11 (3) technical training and certificate programs
12 for the skilled technical workforce;

13 (4) facilitation of engagement between aca-
14 demic, industry, and laboratory researchers; and

15 (5) public outreach activities, including to stu-
16 dents at K-12, undergraduate, and graduate levels.
17 Such activities may include educational program-
18 ming with an emphasis on experiential and project-
19 based learning.

20 (g) OUTREACH.—In carrying out activities under
21 subsection (e), the Secretary shall ensure program out-
22 reach to recruit applicants and engage participants from
23 all regions of the country, especially underserved commu-
24 nities and groups historically underrepresented in STEM.

1 (h) INTELLECTUAL PROPERTY.—The Secretary shall
2 ensure that the intellectual property and value proposition
3 created by the Centers are retained within the United
4 States.

5 (i) FUNDING.—The Secretary of Energy shall allo-
6 cate up to \$25,000,000 for each Center established under
7 this section for each of fiscal years 2022 through 2026,
8 subject to the availability of appropriations.

9 **SEC. 10665. MISCELLANEOUS OTHER REQUIREMENTS.**

10 All laborers and mechanics employed by contractors
11 or subcontractors in the performance of construction, al-
12 teration, or repair work assisted in whole or in part under
13 the program under section 10663 shall be paid wages at
14 rates not less than those prevailing on projects of a similar
15 character in the locality as determined by the Secretary
16 of Labor in accordance with subchapter IV of chapter 31
17 of title 40, United States Code. With respect to the labor
18 standards specified in this section, the Secretary of Labor
19 shall have the authority and functions set forth in Reorga-
20 nization Plan Numbered 14 of 1950 (64 Stat. 1267; 5
21 U.S.C. App.) and section 3145 of title 40, United States
22 Code.

1 **DIVISION C—ENERGY AND**
2 **COMMERCE**
3 **TITLE I—COMMUNICATIONS AND**
4 **TECHNOLOGY**

5 **SEC. 20101. APPROPRIATIONS FOR WIRELESS SUPPLY**
6 **CHAIN INNOVATION.**

7 (a) DIRECT APPROPRIATIONS.—In addition to
8 amounts otherwise available for such purposes, there is
9 appropriated to the Public Wireless Supply Chain Innova-
10 tion Fund established under section 9202(a)(1) of the Wil-
11 liam M. (Mac) Thornberry National Defense Authoriza-
12 tion Act for Fiscal Year 2021 (Public Law 116–283), out
13 of amounts in the Treasury not otherwise appropriated,
14 \$1,500,000,000 for fiscal year 2022, to remain available
15 through September 30, 2031.

16 (b) USE OF FUNDS, ADMINISTRATION, AND OVER-
17 SIGHT.—Of the amounts made available under subsection
18 (a)—

19 (1) not more than 5 percent of the amounts al-
20 located pursuant to subsection (c) in a given fiscal
21 year may be used by the Assistant Secretary of
22 Commerce for Communications and Information to
23 administer the programs funded from the Public
24 Wireless Supply Chain Innovation Fund; and

1 (2) not less than \$2,000,000 per fiscal year
2 shall be transferred to the Office of Inspector Gen-
3 eral of the Department of Commerce for oversight
4 related to activities conducted using amounts pro-
5 vided under this section.

6 (c) ALLOCATION AUTHORITY.—

7 (1) SUBMISSION OF COST ESTIMATES.—The
8 President shall submit to Congress detailed account,
9 program, and project allocations of the amount rec-
10 ommended for allocation in a fiscal year from
11 amounts made available under subsection (a)—

12 (A) for fiscal year 2022, not later than 90
13 days after the date of enactment of this Act;
14 and

15 (B) for each subsequent fiscal year
16 through 2031, as part of the annual budget
17 submission of the President under section
18 1105(a) of title 31, United States Code.

19 (2) ALTERNATE ALLOCATION.—

20 (A) IN GENERAL.—The Committees on
21 Appropriations of the House of Representatives
22 and the Senate may provide for alternate allo-
23 cation of amounts recommended for allocation
24 in a given fiscal year from amounts made avail-

1 able under subsection (a), including by account,
2 program, and project.

3 (B) ALLOCATION BY PRESIDENT.—

4 (i) NO ALTERNATE ALLOCATIONS.—If
5 Congress has not enacted legislation estab-
6 lishing alternate allocations, including by
7 account, program, and project, by the date
8 on which the Act making full-year appro-
9 priations for the Departments of Com-
10 merce and Justice, Science, and Related
11 Agencies for the applicable fiscal year is
12 enacted into law, only then shall amounts
13 recommended for allocation for that fiscal
14 year from amounts made available under
15 subsection (a) be allocated by the Presi-
16 dent or apportioned or allotted by account,
17 program, and project pursuant to title 31,
18 United States Code.

19 (ii) INSUFFICIENT ALTERNATE ALLO-
20 CATION.—If Congress enacts legislation es-
21 tablishing alternate allocations, including
22 by account, program, and project, for
23 amounts recommended for allocation in a
24 given fiscal year from amounts made avail-
25 able under subsection (a) that are less

1 than the full amount recommended for al-
2 location for that fiscal year, the difference
3 between the amount recommended for allo-
4 cation and the alternate allocation shall be
5 allocated by the President and apportioned
6 and allotted by account, program, and
7 project pursuant to title 31, United States
8 Code.

9 (d) SEQUESTRATION.—Section 255(g)(1)(A) of the
10 Balanced Budget and Emergency Deficit Control Act of
11 1985 (2 U.S.C. 905(g)(1)(A)) is amended by inserting
12 after “Postal Service Fund (18–4020–0–3–372).” the fol-
13 lowing:

14 “Public Wireless Supply Chain Innovation
15 Fund.”.

16 (e) STATUTORY PAYGO SCORECARDS.—The budg-
17 etary effects of this section shall not be entered on either
18 PAYGO scorecard maintained pursuant to section 4(d) of
19 the Statutory Pay-As-You-Go Act of 2010.

20 (f) CONSTRUCTION PROJECTS.—Section 602 of the
21 Public Works and Economic Development Act of 1965 (42
22 U.S.C. 3212) shall apply to a construction project that
23 receives financial assistance from amounts made available
24 under subsection (a).

1 (g) WIRELESS SUPPLY CHAIN INNOVATION AND
2 MULTILATERAL SECURITY CONSTRUCTION PROJECTS.—
3 Section 9202(a)(1)(B) of the William M. (Mac) Thorn-
4 berry National Defense Authorization Act for Fiscal Year
5 2021 (Public Law 116–283) is amended by adding at the
6 end the following:

7 “(iii) CONSTRUCTION PROJECTS.—
8 Section 602 of the Public Works and Eco-
9 nomic Development Act of 1965 (42
10 U.S.C. 3212) shall apply to a construction
11 project that receives financial assistance
12 under this paragraph.”.

13 **SEC. 20102. UNDERSTANDING CYBERSECURITY OF MOBILE**
14 **NETWORKS.**

15 (a) IN GENERAL.—Not later than 1 year after the
16 date of the enactment of this Act, the Assistant Secretary,
17 in consultation with the Department of Homeland Secu-
18 rity, shall submit to the Committee on Energy and Com-
19 merce of the House of Representatives and the Committee
20 on Commerce, Science, and Transportation of the Senate
21 a report examining the cybersecurity of mobile service net-
22 works and the vulnerability of such networks and mobile
23 devices to cyberattacks and surveillance conducted by ad-
24 versaries.

1 (b) MATTERS TO BE INCLUDED.—The report re-
2 quired by subsection (a) shall include the following:

3 (1) An assessment of the degree to which pro-
4 viders of mobile service have addressed, are address-
5 ing, or have not addressed cybersecurity
6 vulnerabilities (including vulnerabilities the exploi-
7 tation of which could lead to surveillance conducted
8 by adversaries) identified by academic and inde-
9 pendent researchers, multistakeholder standards and
10 technical organizations, industry experts, and Fed-
11 eral agencies, including in relevant reports of—

12 (A) the National Telecommunications and
13 Information Administration;

14 (B) the National Institute of Standards
15 and Technology; and

16 (C) the Department of Homeland Security,
17 including—

18 (i) the Cybersecurity and Infrastruc-
19 ture Security Agency; and

20 (ii) the Science and Technology Direc-
21 torate.

22 (2) A discussion of—

23 (A) the degree to which customers (includ-
24 ing consumers, companies, and government
25 agencies) consider cybersecurity as a factor

1 when considering the purchase of mobile service
2 and mobile devices; and

3 (B) the commercial availability of tools,
4 frameworks, best practices, and other resources
5 for enabling such customers to evaluate cyber-
6 security risk and price tradeoffs.

7 (3) A discussion of the degree to which pro-
8 viders of mobile service have implemented cybersecu-
9 rity best practices and risk assessment frameworks.

10 (4) An estimate and discussion of the preva-
11 lence and efficacy of encryption and authentication
12 algorithms and techniques used in each of the fol-
13 lowing:

14 (A) Mobile service.

15 (B) Mobile communications equipment or
16 services.

17 (C) Commonly used mobile phones and
18 other mobile devices.

19 (D) Commonly used mobile operating sys-
20 tems and communications software and applica-
21 tions.

22 (5) A discussion of the barriers for providers of
23 mobile service to adopt more efficacious encryption
24 and authentication algorithms and techniques and to
25 prohibit the use of older encryption and authentica-

1 tion algorithms and techniques with established
2 vulnerabilities in mobile service, mobile communica-
3 tions equipment or services, and mobile phones and
4 other mobile devices.

5 (6) An estimate and discussion of the preva-
6 lence, usage, and availability of technologies that au-
7 thenticate legitimate mobile service and mobile com-
8 munications equipment or services to which mobile
9 phones and other mobile devices are connected.

10 (7) An estimate and discussion of the preva-
11 lence, costs, commercial availability, and usage by
12 adversaries in the United States of cell site simula-
13 tors (often known as international mobile subscriber
14 identity-catchers) and other mobile service surveil-
15 lance and interception technologies.

16 (c) CONSULTATION.—In preparing the report re-
17 quired by subsection (a), the Assistant Secretary shall, to
18 the degree practicable, consult with—

19 (1) the Federal Communications Commission;

20 (2) the National Institute of Standards and
21 Technology;

22 (3) the intelligence community;

23 (4) the Cybersecurity and Infrastructure Secu-
24 rity Agency of the Department of Homeland Secu-
25 rity;

1 (5) the Science and Technology Directorate of
2 the Department of Homeland Security;

3 (6) academic and independent researchers with
4 expertise in privacy, encryption, cybersecurity, and
5 network threats;

6 (7) participants in multistakeholder standards
7 and technical organizations (including the 3rd Gen-
8 eration Partnership Project and the Internet Engi-
9 neering Task Force);

10 (8) international stakeholders, in coordination
11 with the Department of State as appropriate;

12 (9) providers of mobile service, including small
13 providers (or the representatives of such providers)
14 and rural providers (or the representatives of such
15 providers);

16 (10) manufacturers, operators, and providers of
17 mobile communications equipment or services and
18 mobile phones and other mobile devices;

19 (11) developers of mobile operating systems and
20 communications software and applications; and

21 (12) other experts that the Assistant Secretary
22 considers appropriate.

23 (d) SCOPE OF REPORT.—The Assistant Secretary
24 shall—

1 (1) limit the report required by subsection (a)
2 to mobile service networks;

3 (2) exclude consideration of 5G protocols and
4 networks in the report required by subsection (a);

5 (3) limit the assessment required by subsection
6 (b)(1) to vulnerabilities that have been shown to
7 be—

8 (A) exploited in non-laboratory settings; or

9 (B) feasibly and practicably exploitable in
10 real-world conditions; and

11 (4) consider in the report required by sub-
12 section (a) vulnerabilities that have been effectively
13 mitigated by manufacturers of mobile phones and
14 other mobile devices.

15 (e) FORM OF REPORT.—

16 (1) CLASSIFIED INFORMATION.—The report re-
17 quired by subsection (a) shall be produced in unclas-
18 sified form but may contain a classified annex.

19 (2) POTENTIALLY EXPLOITABLE UNCLASSIFIED
20 INFORMATION.—The Assistant Secretary shall re-
21 dact potentially exploitable unclassified information
22 from the report required by subsection (a) but shall
23 provide an unredacted form of the report to the
24 committees described in such subsection.

1 (f) AUTHORIZATION OF APPROPRIATIONS.—There is
2 authorized to be appropriated to carry out this section
3 \$500,000 for fiscal year 2022. Such amount is authorized
4 to remain available through fiscal year 2023.

5 (g) DEFINITIONS.—In this section:

6 (1) ADVERSARY.—The term “adversary” in-
7 cludes—

8 (A) any unauthorized hacker or other in-
9 truder into a mobile service network; and

10 (B) any foreign government or foreign
11 nongovernment person engaged in a long-term
12 pattern or serious instances of conduct signifi-
13 cantly adverse to the national security of the
14 United States or security and safety of United
15 States persons.

16 (2) ASSISTANT SECRETARY.—The term “Assist-
17 ant Secretary” means the Assistant Secretary of
18 Commerce for Communications and Information.

19 (3) ENTITY.—The term “entity” means a part-
20 nership, association, trust, joint venture, corpora-
21 tion, group, subgroup, or other organization.

22 (4) INTELLIGENCE COMMUNITY.—The term
23 “intelligence community” has the meaning given
24 that term in section 3 of the National Security Act
25 of 1947 (50 U.S.C. 3003).

1 (5) MOBILE COMMUNICATIONS EQUIPMENT OR
2 SERVICE.—The term “mobile communications equip-
3 ment or service” means any equipment or service
4 that is essential to the provision of mobile service.

5 (6) MOBILE SERVICE.—The term “mobile serv-
6 ice” means, to the extent provided to United States
7 customers, either or both of the following services:

8 (A) Commercial mobile service (as defined
9 in section 332(d) of the Communications Act of
10 1934 (47 U.S.C. 332(d))).

11 (B) Commercial mobile data service (as de-
12 fined in section 6001 of the Middle Class Tax
13 Relief and Job Creation Act of 2012 (47 U.S.C.
14 1401)).

15 (7) PERSON.—The term “person” means an in-
16 dividual or entity.

17 (8) UNITED STATES PERSON.—The term
18 “United States person” means—

19 (A) an individual who is a United States
20 citizen or an alien lawfully admitted for perma-
21 nent residence to the United States;

22 (B) an entity organized under the laws of
23 the United States or any jurisdiction within the
24 United States, including a foreign branch of
25 such an entity; or

1 (C) any person in the United States.

2 **SEC. 20103. INFORMATION AND COMMUNICATION TECH-**
3 **NOLOGY STRATEGY.**

4 (a) REPORT.—Not later than 1 year after the date
5 of the enactment of this Act, the Secretary shall submit
6 to the Committee on Energy and Commerce of the House
7 of Representatives and the Committee on Commerce,
8 Science, and Transportation of the Senate a report on the
9 information and communication technology supply chain
10 that—

11 (1) identifies—

12 (A) information and communication tech-
13 nology critical to the economic competitiveness
14 of the United States; and

15 (B) the industrial capacity of—

16 (i) United States vendors that
17 produce information and communication
18 technology identified under subparagraph
19 (A); and

20 (ii) trusted information and commu-
21 nication technology vendors that produce
22 information and communication technology
23 identified under subparagraph (A);

24 (2) assesses the economic competitiveness of
25 vendors described under paragraph (1)(B);

1 (3) assesses whether, and to what extent, there
2 is a dependence by providers of advanced tele-
3 communications capability in the United States on
4 information and communication technology identified
5 under paragraph (1)(A) that is not trusted;

6 (4) identifies—

7 (A) what actions by the Federal Govern-
8 ment are needed to support, and bolster the
9 economic competitiveness of, trusted informa-
10 tion and communication technology vendors;
11 and

12 (B) what Federal resources are needed to
13 reduce dependence by providers of advanced
14 telecommunications capability in the United
15 States on companies that—

16 (i) produce information and commu-
17 nication technology; and

18 (ii) are not trusted; and

19 (5) defines lines of effort and assigns respon-
20 sibilities for a whole-of-Government response to en-
21 suring the competitiveness of the information and
22 communication technology supply chain in the
23 United States.

24 (b) WHOLE-OF-GOVERNMENT STRATEGY.—

1 (1) IN GENERAL.—The Secretary shall develop,
2 on the basis of the report required by subsection (a),
3 a whole-of-Government strategy to ensure the eco-
4 nomic competitiveness of trusted information and
5 communication technology vendors that includes—

6 (A) recommendations on how—

7 (i) to strengthen the structure, re-
8 sources, and authorities of the Federal
9 Government to support the economic com-
10 petitiveness of trusted information and
11 communication technology vendors, includ-
12 ing United States vendors that are trusted
13 information and communication technology
14 vendors; and

15 (ii) the Federal Government can ad-
16 dress any barriers to a market-based solu-
17 tion for increasing the economic competi-
18 tiveness of such information and commu-
19 nication technology vendors;

20 (B) defined lines of effort and responsibil-
21 ities for Federal agencies to implement the
22 strategy; and

23 (C) a description of—

24 (i) any change to a Federal program,
25 Federal law, or structure of the Federal

1 Government necessary to implement any
2 recommendation under subparagraph (A);
3 and

4 (ii) any additional Federal resource
5 necessary to implement any recommenda-
6 tion under subparagraph (A).

7 (2) REPORT.—Not later than 180 days after
8 the submission of the report required by subsection
9 (a), the Secretary shall submit to the Committee on
10 Energy and Commerce of the House of Representa-
11 tives and the Committee on Commerce, Science, and
12 Transportation of the Senate a report containing the
13 strategy developed under paragraph (1).

14 (c) CONSULTATION REQUIRED.—In carrying out sub-
15 sections (a) and (b), the Secretary shall consult with—

16 (1) a cross-section of trusted information and
17 communication technology vendors; and

18 (2) the Secretary of State, the Secretary of
19 Homeland Security, the Attorney General, the Direc-
20 tor of National Intelligence, the Chair of the Federal
21 Communications Commission and any other head of
22 an agency the Secretary determines necessary.

23 (d) DEFINITIONS.—In this section:

24 (1) ADVANCED TELECOMMUNICATIONS CAPA-
25 BILITY.—The term “advanced telecommunications

1 capability” has the meaning given that term in sec-
2 tion 706 of the Telecommunications Act of 1996 (47
3 U.S.C. 1302).

4 (2) INFORMATION AND COMMUNICATION TECH-
5 NOLOGY SUPPLY CHAIN.—The term “information
6 and communication technology supply chain” means
7 all of the companies that produce information and
8 communication technology.

9 (3) INFORMATION AND COMMUNICATION TECH-
10 NOLOGY.—The term “information and communica-
11 tion technology” means a technology (including soft-
12 ware), component, or material that enables commu-
13 nications by radio or wire.

14 (4) NOT TRUSTED.—The term “not trusted”
15 means, with respect to a company or information
16 and communication technology, that the company or
17 information and communication technology is deter-
18 mined by the Secretary to pose an unacceptable risk
19 to the national security of the United States, or the
20 security and safety of United States persons, based
21 solely on one or more determination described under
22 paragraphs (1) through (4) of section 2(c) of the Se-
23 cure and Trusted Communications Networks Act of
24 2019 (47 U.S.C. 1601(c)).

1 (5) SECRETARY.—The term “Secretary” means
2 the Secretary of Commerce, acting through the As-
3 sistant Secretary of Commerce for Communications
4 and Information.

5 (6) TRUSTED.—The term “trusted” means,
6 with respect to a company, that the Secretary has
7 not determined that the company is not trusted.

8 (7) TRUSTED INFORMATION AND COMMUNICA-
9 TION TECHNOLOGY VENDOR.—The term “trusted in-
10 formation and communication technology vendor”
11 means a company—

12 (A) that produces information and commu-
13 nication technology; and

14 (B) that is trusted.

15 **SEC. 20104. OPEN RAN OUTREACH.**

16 (a) IN GENERAL.—The Assistant Secretary shall con-
17 duct outreach and provide technical assistance to small
18 communications network providers—

19 (1) to raise awareness regarding the uses, bene-
20 fits, and challenges of Open RAN networks and
21 other open network architectures; and

22 (2) regarding participation in the Wireless Sup-
23 ply Chain Innovation Grant Program established
24 under section 9202(a)(1) of the William M. (Mac)

1 Thornberry National Defense Authorization Act for
2 Fiscal Year 2021 (Public Law 116–283).

3 (b) DEFINITIONS.—In this section:

4 (1) ASSISTANT SECRETARY.—The term “Assist-
5 ant Secretary” means the Assistant Secretary of
6 Commerce for Communications and Information,
7 acting through the head of the Office of Internet
8 Connectivity and Growth.

9 (2) OPEN NETWORK ARCHITECTURE.—The
10 term “open network architecture” means Open RAN
11 networks and other network elements that follow a
12 set of published open standards for multi-vendor
13 network equipment interoperability, including open
14 core and open transport.

15 (3) OPEN RAN NETWORK.—The term “Open
16 RAN network” means a wireless network that fol-
17 lows the Open Radio Access Network approach to
18 standardization adopted by the O–RAN Alliance,
19 Telecom Infra Project, or Third Generation Partner-
20 ship Project (3GPP), or any similar set of published
21 open standards for multi-vendor network equipment
22 interoperability.

23 **SEC. 20105. FUTURE NETWORKS.**

24 (a) ESTABLISHMENT.—Not later than 120 days after
25 the date of the enactment of this Act, the Commission

1 shall establish a task force to be known as the “6G Task
2 Force”.

3 (b) MEMBERSHIP.—

4 (1) APPOINTMENT.—The members of the Task
5 Force shall be appointed by the Chair.

6 (2) COMPOSITION.—To the extent practicable,
7 the membership of the Task Force shall be com-
8 posed of the following:

9 (A) Representatives of companies in the
10 communications industry, except companies
11 that are determined by the Chair to be not
12 trusted.

13 (B) Representatives of public interest orga-
14 nizations or academic institutions, except public
15 interest organizations or academic institutions
16 that are determined by the Chair to be not
17 trusted.

18 (C) Representatives of the Federal Govern-
19 ment, State governments, local governments, or
20 Tribal Governments, with at least one member
21 representing each such type of government.

22 (c) REPORT.—

23 (1) IN GENERAL.—Not later than 1 year after
24 the date on which the Task Force is established
25 under subsection (a), the Task Force shall publish

1 in the Federal Register and on the website of the
2 Commission, and submit to the Committee on En-
3 ergy and Commerce of the House of Representatives
4 and the Committee on Commerce, Science, and
5 Transportation of the Senate, a report on sixth-gen-
6 eration wireless technology, including—

7 (A) the status of industry-led standards-
8 setting bodies in setting standards for such
9 technology;

10 (B) possible uses of such technology identi-
11 fied by industry-led standards-setting bodies
12 that are setting standards for such technology;

13 (C) any limitations of such technology (in-
14 cluding any supply chain or cybersecurity limi-
15 tations) identified by industry-led standards-set-
16 ting bodies that are setting standards for such
17 technology; and

18 (D) how to best work with entities across
19 the Federal Government, State governments,
20 local governments, and Tribal Governments to
21 leverage such technology, including with regard
22 to siting, deployment, and adoption.

23 (2) DRAFT REPORT; PUBLIC COMMENT.—The
24 Task Force shall—

1 (A) not later than 180 days after the date
2 on which the Task Force is established under
3 subsection (a), publish in the Federal Register
4 and on the website of the Commission a draft
5 of the report required by paragraph (1); and

6 (B) accept public comments on such draft
7 and take such comments into consideration in
8 preparing the final version of such report.

9 (d) DEFINITIONS.—In this section:

10 (1) CHAIR.—The term “Chair” means the
11 Chair of the Commission.

12 (2) COMMISSION.—The term “Commission”
13 means the Federal Communications Commission.

14 (3) NOT TRUSTED.—

15 (A) IN GENERAL.—The term “not trusted”
16 means, with respect to an entity, that—

17 (i) the Chair has made a public deter-
18 mination that such entity is owned by, con-
19 trolled by, or subject to the influence of a
20 foreign adversary; or

21 (ii) the Chair otherwise determines
22 that such entity poses a threat to the na-
23 tional security of the United States.

24 (B) CRITERIA FOR DETERMINATION.—In
25 making a determination under subparagraph

1 (A)(ii), the Chair shall use the criteria de-
2 scribed in paragraphs (1) through (4) of section
3 2(c) of the Secure and Trusted Communica-
4 tions Networks Act of 2019 (47 U.S.C.
5 1601(c)), as appropriate.

6 (4) STATE.—The term “State” has the mean-
7 ing given such term in section 3 of the Communica-
8 tions Act of 1934 (47 U.S.C. 153).

9 (5) TASK FORCE.—The term “Task Force”
10 means the 6G Task Force established under sub-
11 section (a).

12 **SEC. 20106. NTIA POLICY AND CYBERSECURITY COORDINA-**
13 **TION.**

14 (a) OFFICE OF POLICY DEVELOPMENT AND CYBER-
15 SECURITY.—Part A of title I of the National Tele-
16 communications and Information Administration Organi-
17 zation Act (47 U.S.C. 901 et seq.) is amended by adding
18 at the end the following:

19 **“SEC. 106. OFFICE OF POLICY DEVELOPMENT AND CYBER-**
20 **SECURITY.**

21 “(a) ESTABLISHMENT.—There shall be within the
22 NTIA an office to be known as the Office of Policy Devel-
23 opment and Cybersecurity (in this section referred to as
24 the ‘Office’).

1 “(b) ASSOCIATE ADMINISTRATOR.—The head of the
2 Office shall be an Associate Administrator for Policy De-
3 velopment and Cybersecurity (in this section referred to
4 as the ‘Associate Administrator’), who shall report to the
5 Assistant Secretary.

6 “(c) DUTIES.—

7 “(1) IN GENERAL.—The Associate Adminis-
8 trator shall oversee and conduct national commu-
9 nications and information policy analysis and devel-
10 opment for the internet and communications tech-
11 nologies.

12 “(2) PARTICULAR DUTIES.—In carrying out
13 paragraph (1), the Office shall—

14 “(A) develop, analyze, and advocate for
15 market-based policies that promote innovation,
16 competition, consumer access, digital inclusion,
17 workforce development, and economic growth in
18 the communications, media, and technology
19 markets;

20 “(B) issue studies, as delegated by the As-
21 sistant Secretary or required by Congress, on
22 how individuals in the United States access and
23 use the internet, wireline and wireless teleph-
24 ony, mass media, other digital services, and
25 video services;

1 “(C) coordinate transparent, consensus-
2 based, multistakeholder processes to create
3 guidance or to support the development and im-
4 plementation of cybersecurity and privacy poli-
5 cies with respect to the internet and other com-
6 munications networks;

7 “(D) promote increased collaboration be-
8 tween security researchers and providers of
9 communications services and software system
10 developers;

11 “(E) perform such duties as the Assistant
12 Secretary considers appropriate relating to the
13 program for preventing future vulnerabilities es-
14 tablished under section 8(a) of the Secure and
15 Trusted Communications Networks Act of 2019
16 (47 U.S.C. 1607(a));

17 “(F) advocate for policies that promote the
18 security and resilience to cybersecurity incidents
19 of communications networks while fostering in-
20 novation, including policies that promote secure
21 communications network supply chains;

22 “(G) at the direction of the Assistant Sec-
23 retary, present security of the digital economy
24 and infrastructure and cybersecurity policy ef-

1 forts before the Commission, Congress, and
2 elsewhere;

3 “(H) provide advice and assistance to the
4 Assistant Secretary in carrying out the policy
5 responsibilities of the NTIA with respect to cy-
6 bersecurity policy matters, including the evalua-
7 tion of the impact of cybersecurity matters
8 pending before the Commission, other Federal
9 agencies, and Congress;

10 “(I) in addition to the duties described in
11 subparagraph (H), perform such other duties
12 regarding the policy responsibilities of the
13 NTIA with respect to cybersecurity policy mat-
14 ters as the Assistant Secretary considers appro-
15 priate;

16 “(J) develop policies to accelerate innova-
17 tion and commercialization with respect to ad-
18 vances in technological understanding of com-
19 munications technologies;

20 “(K) identify barriers to trust, security, in-
21 novation, and commercialization with respect to
22 communications technologies, including access
23 to capital and other resources, and ways to
24 overcome such barriers;

1 “(L) provide public access to relevant data,
2 research, and technical assistance on innovation
3 and commercialization with respect to commu-
4 nications technologies, consistent with the pro-
5 tection of classified information;

6 “(M) strengthen collaboration on and co-
7 ordination of policies relating to innovation and
8 commercialization with respect to communica-
9 tions technologies, including policies focused on
10 the needs of small businesses and rural commu-
11 nities—

12 “(i) within the Department of Com-
13 merce;

14 “(ii) between the Department of Com-
15 merce and State government agencies, as
16 appropriate; and

17 “(iii) between the Department of
18 Commerce and the Commission or any
19 other Federal agency the Assistant Sec-
20 retary determines to be necessary; and

21 “(N) solicit and consider feedback from
22 small and rural communications service pro-
23 viders, as appropriate.”.

24 (b) TRANSITIONAL RULES.—

1 (1) REDESIGNATION OF ASSOCIATE ADMINIS-
2 TRATOR; CONTINUATION OF SERVICE.—

3 (A) REDESIGNATION.—The position of As-
4 sociate Administrator for Policy Analysis and
5 Development at the NTIA is hereby redesign-
6 dated as the position of Associate Adminis-
7 trator for Policy Development and Cybersecu-
8 rity.

9 (B) CONTINUATION OF SERVICE.—The in-
10 dividual serving as Associate Administrator for
11 Policy Analysis and Development at the NTIA
12 on the date of the enactment of this Act shall
13 become, as of such date, the Associate Adminis-
14 trator for Policy Development and Cybersecu-
15 rity.

16 (2) NTIA DEFINED.—In this subsection, the
17 term “NTIA” means the National Telecommuni-
18 cations and Information Administration.

19 **SEC. 20107. AMERICAN CYBERSECURITY LITERACY.**

20 (a) IN GENERAL.—The Assistant Secretary shall de-
21 velop and conduct a cybersecurity literacy campaign
22 (which shall be available in multiple languages and for-
23 mats, if practicable) to increase the knowledge and aware-
24 ness of the American people of best practices to reduce
25 cybersecurity risks.

1 (b) CAMPAIGN.—To reduce cybersecurity risks, the
2 Assistant Secretary shall—

3 (1) educate the American people on how to pre-
4 vent and mitigate cyberattacks and cybersecurity
5 risks, including by—

6 (A) instructing the American people on
7 how to identify—

8 (i) phishing emails and messages; and
9 (ii) secure websites;

10 (B) instructing the American people about
11 the benefits of changing default passwords on
12 hardware and software technology;

13 (C) encouraging the use of cybersecurity
14 tools, including—

15 (i) multi-factor authentication;
16 (ii) complex passwords;
17 (iii) anti-virus software;
18 (iv) patching and updating software
19 and applications; and

20 (v) virtual private networks;

21 (D) identifying the devices that could pose
22 possible cybersecurity risks, including—

23 (i) personal computers;
24 (ii) smartphones;
25 (iii) tablets;

- 1 (iv) Wi-Fi routers;
- 2 (v) smart home appliances;
- 3 (vi) webcams;
- 4 (vii) internet-connected monitors; and
- 5 (viii) any other device that can be con-
- 6 nected to the internet, including mobile de-
- 7 vices other than smartphones and tablets;
- 8 (E) encouraging Americans to—
- 9 (i) regularly review mobile application
- 10 permissions;
- 11 (ii) decline privilege requests from mo-
- 12 bile applications that are unnecessary;
- 13 (iii) download applications only from
- 14 trusted vendors or sources; and
- 15 (iv) consider a product’s life cycle and
- 16 the developer or manufacturer’s commit-
- 17 ment to providing security updates during
- 18 a connected device’s expected period of use;
- 19 and
- 20 (F) identifying the potential cybersecurity
- 21 risks of using publicly available Wi-Fi networks
- 22 and the methods a user may utilize to limit
- 23 such risks; and

1 (2) encourage the American people to use re-
2 sources to help mitigate the cybersecurity risks iden-
3 tified in this subsection.

4 (c) ASSISTANT SECRETARY DEFINED.—In this sec-
5 tion, the term “Assistant Secretary” means the Assistant
6 Secretary of Commerce for Communications and Informa-
7 tion.

8 **SEC. 20108. COMMUNICATIONS SECURITY ADVISORY COUN-**
9 **CIL.**

10 (a) ESTABLISHMENT.—

11 (1) IN GENERAL.—Not later than 90 days after
12 the date of the enactment of this Act, the Commis-
13 sion shall establish a council, to advise the Commis-
14 sion on issues including the security, reliability, and
15 interoperability of communications networks.

16 【(2) EXISTING ADVISORY COMMITTEES.—A
17 Federal advisory committee of the Commission that
18 is operating, on the date of the enactment of this
19 Act, under a charter for the purpose of addressing
20 the issues described in paragraph (1), satisfies the
21 requirements of such paragraph if the membership
22 of such committee complies with subsection (b) or is
23 modified to comply with such subsection not later
24 than 90 days after the date of the enactment of this
25 Act.】

1 (b) MEMBERSHIP.—

2 (1) APPOINTMENT.—The members of the coun-
3 cil shall be appointed by the Chair.

4 (2) COMPOSITION.—To the extent practicable,
5 the membership of the council shall be composed of
6 the following:

7 (A) Representatives of companies in the
8 communications industry, except companies
9 that are determined by the Chair to be not
10 trusted.

11 (B) Representatives of public interest orga-
12 nizations or academic institutions, except public
13 interest organizations or academic institutions
14 that are determined by the Chair to be not
15 trusted.

16 (C) Representatives of the Federal Govern-
17 ment, State governments, local governments, or
18 Tribal Governments, with at least one member
19 representing each such type of government.

20 (3) KNOWLEDGE AND EXPERIENCE.—Each
21 member of the council shall have knowledge and ex-
22 perience relevant to the purpose and goals of the
23 council.

24 (4) TERMS.—

1 (A) IN GENERAL.—Each member of the
2 council shall be appointed for a term of 2 years,
3 except as provided in subparagraph (B).

4 (B) VACANCIES.—Any member appointed
5 to fill a vacancy occurring before the expiration
6 of the term for which the member's predecessor
7 was appointed shall be appointed only for the
8 remainder of that term. A member may serve
9 after the expiration of that member's term until
10 a successor has taken office.

11 (c) REPORTS.—

12 (1) IN GENERAL.—Not later than 2 years after
13 the date on which the council is established under
14 subsection (a), and every 2 years thereafter, the
15 council shall submit to the Chair each report adopt-
16 ed by the council during the preceding 2-year period,
17 and any report adopted by any working group of the
18 council during such period, including any such re-
19 port of the council or a working group containing
20 recommendations on ways to increase the security,
21 reliability, and interoperability of communications
22 networks, and on other relevant issues as appro-
23 priate.

24 (2) AVAILABILITY ON COMMISSION WEBSITE.—

25 The Commission shall make each report submitted

1 under paragraph (1) publicly available on the
2 website of the Commission.

3 (d) DURATION.—Section 14(a)(2)(B) of the Federal
4 Advisory Committee Act (5 U.S.C. App.; relating to the
5 termination of advisory committees) shall not apply to the
6 council.

7 (e) DEFINITIONS.—In this section:

8 (1) CHAIR.—The term “Chair” means the
9 Chair of the Commission.

10 (2) COMMISSION.—The term “Commission”
11 means the Federal Communications Commission.

12 (3) COUNCIL.—The term “council” means the
13 council established under subsection (a).

14 (4) NOT TRUSTED.—

15 (A) IN GENERAL.—The term “not trusted”
16 means, with respect to an entity, that—

17 (i) the Chair has made a public deter-
18 mination that such entity is owned by, con-
19 trolled by, or subject to the influence of a
20 foreign adversary; or

21 (ii) the Chair otherwise determines
22 that such entity poses a threat to the na-
23 tional security of the United States.

24 (B) CRITERIA FOR DETERMINATION.—In
25 making a determination under subparagraph

1 (A)(ii), the Chair shall use the criteria de-
2 scribed in paragraphs (1) through (4) of section
3 2(c) of the Secure and Trusted Communica-
4 tions Networks Act of 2019 (47 U.S.C.
5 1601(c)), as appropriate.

6 (5) STATE.—The term “State” has the mean-
7 ing given such term in section 3 of the Communica-
8 tions Act of 1934 (47 U.S.C. 153).

9 **SEC. 20109. PROMOTING UNITED STATES WIRELESS LEAD-**
10 **ERSHIP.**

11 (a) IN GENERAL.—In order to enhance the represen-
12 tation of the United States and promote United States
13 leadership in standards-setting bodies that set standards
14 for 5G networks and for future generations of wireless
15 communications networks, the Assistant Secretary shall,
16 in consultation with the National Institute of Standards
17 and Technology—

18 (1) equitably encourage participation by compa-
19 nies and a wide variety of relevant stakeholders, but
20 not including any company or relevant stakeholder
21 that the Assistant Secretary has determined to be
22 not trusted, (to the extent such standards-setting
23 bodies allow such stakeholders to participate) in
24 such standards-setting bodies; and

1 (2) equitably offer technical expertise to compa-
2 nies and a wide variety of relevant stakeholders, but
3 not including any company or relevant stakeholder
4 that the Assistant Secretary has determined to be
5 not trusted, (to the extent such standards-setting
6 bodies allow such stakeholders to participate) to fa-
7 cilitate such participation.

8 (b) STANDARDS-SETTING BODIES.—The standards-
9 setting bodies referred to in subsection (a) include—

10 (1) the International Organization for Stand-
11 ardization;

12 (2) the voluntary standards-setting bodies that
13 develop protocols for wireless devices and other
14 equipment, such as the 3GPP and the Institute of
15 Electrical and Electronics Engineers; and

16 (3) any standards-setting body accredited by
17 the American National Standards Institute or Alli-
18 ance for Telecommunications Industry Solutions.

19 (c) BRIEFING.—Not later than 60 days after the date
20 of the enactment of this Act, the Assistant Secretary shall
21 brief the Committees on Energy and Commerce and For-
22 eign Affairs of the House of Representatives and the Com-
23 mittees on Commerce, Science, and Transportation and
24 Foreign Relations of the Senate on a strategy to carry
25 out subsection (a).

1 (d) DEFINITIONS.—In this section:

2 (1) 3GPP.—The term “3GPP” means the 3rd
3 Generation Partnership Project.

4 (2) 5G NETWORK.—The term “5G network”
5 means a fifth-generation mobile network as de-
6 scribed by 3GPP Release 15 or higher.

7 (3) ASSISTANT SECRETARY.—The term “Assist-
8 ant Secretary” means the Assistant Secretary of
9 Commerce for Communications and Information.

10 (4) CLOUD COMPUTING.—The term “cloud
11 computing” has the meaning given the term in Spe-
12 cial Publication 800–145 of the National Institute of
13 Standards and Technology, entitled “The NIST Def-
14 inition of Cloud Computing”, published in Sep-
15 tember 2011, or any successor publication.

16 (5) COMMUNICATIONS NETWORK.—The term
17 “communications network” means any of the fol-
18 lowing:

19 (A) A system enabling the transmission,
20 between or among points specified by the user,
21 of information of the user’s choosing.

22 (B) Cloud computing resources.

23 (C) A network or system used to access
24 cloud computing resources.

1 (6) NOT TRUSTED.—The term “not trusted”
2 means, with respect to a company or stakeholder,
3 that the company or stakeholder is determined by
4 the Assistant Secretary to pose a threat to the na-
5 tional security of the United States. In making such
6 a determination, the Assistant Secretary shall rely
7 solely on one or more of the following determina-
8 tions:

9 (A) A specific determination made by any
10 executive branch interagency body with appro-
11 priate national security expertise, including the
12 Federal Acquisition Security Council estab-
13 lished under section 1322(a) of title 41, United
14 States Code.

15 (B) A specific determination made by the
16 Department of Commerce pursuant to Execu-
17 tive Order No. 13873 (84 Fed. Reg. 22689; re-
18 lating to securing the information and commu-
19 nications technology and services supply chain).

20 (C) Whether a company or stakeholder
21 produces or provides covered telecommuni-
22 cations equipment or services, as defined in sec-
23 tion 889(f)(3) of the John S. McCain National
24 Defense Authorization Act for Fiscal Year 2019
25 (Public Law 115–232; 132 Stat. 1918).

1 **TITLE II—CONSUMER**
2 **PROTECTION AND COMMERCE**
3 **Subtitle A—Supply Chain**
4 **Resilience**

5 **SEC. 20201. SUPPLY CHAIN RESILIENCE AND CRISIS RE-**
6 **SPONSE OFFICE.**

7 (a) **ESTABLISHMENT.**—Not later than 180 days after
8 the date of the enactment of this Act, the Secretary shall
9 establish a Supply Chain Resilience and Crisis Response
10 Office.

11 (b) **MISSION.**—The mission of the Office shall be the
12 following:

13 (1) Help to promote the leadership of the
14 United States with respect to critical industries and
15 supply chains that—

16 (A) strengthen the national security of the
17 United States; and

18 (B) have a significant effect on the eco-
19 nomic security of the United States.

20 (2) Encourage a Governmentwide approach
21 through partnerships and collaboration with the pri-
22 vate sector, labor organizations, the governments of
23 countries that are allies or key international part-
24 ners of the United States, States or political subdivi-
25 sions thereof, and Tribal governments in order to—

1 (A) promote the resilience of supply
2 chains; and

3 (B) identify, prepare for, and respond to
4 supply chain shocks to—

5 (i) critical industries; and

6 (ii) supply chains.

7 (3) Monitor the resilience, diversity, security,
8 and strength of supply chains and critical industries.

9 (4) Support the availability of critical goods
10 from domestic manufacturers, domestic enterprises,
11 and manufacturing operations in the United States
12 and in countries that are allies or key international
13 partners.

14 (5) Assist the Federal Government in preparing
15 for and responding to supply chain shocks, including
16 by improving the flexible manufacturing capacities
17 and capabilities in the United States.

18 (6) Encourage and incentivize the reduced reli-
19 ance of domestic entities and domestic manufactur-
20 ers on critical goods from countries of concern.

21 (7) Encourage the relocation of manufacturing
22 facilities that manufacture critical goods from coun-
23 tries of concern to the United States and countries
24 that are allies and key international partners to

1 strengthen the resilience, diversity, security, and
2 strength of supply chains.

3 (8) Support the creation of jobs with competi-
4 tive wages in the United States manufacturing sec-
5 tor.

6 (9) Encourage manufacturing growth and op-
7 portunities in economically distressed areas and un-
8 derserved communities.

9 (10) Promote the health of the economy of the
10 United States and the competitiveness of manufac-
11 turing in the United States.

12 (11) Coordinate executive branch actions nec-
13 essary to carry out the functions described in para-
14 graphs (1) through (10).

15 (c) ASSISTANT SECRETARY OF THE OFFICE.—

16 (1) APPOINTMENT AND TERM.—The head of
17 the Office shall be the Assistant Secretary of the Of-
18 fice of Supply Chain Resilience and Crisis Response,
19 appointed by the President, by and with the advice
20 and consent of the Senate, for a term of not more
21 than 5 years.

22 (2) PAY.—The Assistant Secretary shall be
23 compensated at the rate in effect for level II of the
24 Executive Schedule under section 5313 of title 5,
25 United States Code.

1 (3) ADMINISTRATIVE AUTHORITIES.—The As-
2 sistant Secretary may appoint officers and employ-
3 ees in accordance with chapter 51 and subchapter
4 III of chapter 53 of title 5, United States Code.

5 **SEC. 20202. UNITED STATES STRATEGY TO COUNTER**
6 **THREATS TO SUPPLY CHAINS.**

7 (a) IN GENERAL.—In accordance with Executive
8 Order 14017 (86 Fed. Reg. 11849 relating to America’s
9 supply chains), the Assistant Secretary shall, not later
10 than 1 year after the date of the enactment of this Act,
11 develop and implement a strategy taking a Government-
12 wide approach to support the resilience, diversity, security,
13 and strength of supply chains.

14 (b) ELEMENTS.—The strategy required under sub-
15 section (a) shall include the following:

16 (1) A plan to do the following:

17 (A) Execute a unified national effort to re-
18 duce reliance on concentrated supply chains and
19 protect against threats from countries of con-
20 cern relating to supply chains.

21 (B) Support sufficient access to critical
22 goods by mitigating supply chain vulnerabilities,
23 including supply chains concentrated in coun-
24 tries of concern.

1 (C) Collaborate with other relevant Federal
2 agencies to assist allies or key international
3 partners build capacity for manufacturing crit-
4 ical goods.

5 (D) Incentivize (through grants, loans,
6 loan guarantees, and equity investment author-
7 ized under section 20204) and identify tax in-
8 centives, trade preferences, or other means, as
9 appropriate—

10 (i) for domestic manufacturers that
11 manufacture critical goods to—

12 (I) relocate manufacturing facili-
13 ties, industrial equipment, or oper-
14 ations related to the production of
15 critical goods from countries of con-
16 cern to the United States or to other
17 allies or key international partners;
18 and

19 (II) to support manufacturing fa-
20 cilities, industrial equipment, or oper-
21 ations to increase the production of
22 critical goods and meet demand for
23 such goods; and

24 (ii) for domestic manufacturers that
25 do not manufacture critical goods to make

1 necessary or appropriate modifications to
2 existing manufacturing facilities, industrial
3 equipment, manufacturing technology, or
4 operations in order to manufacture 1 or
5 more critical goods.

6 (E) Describe the manner and processes
7 through which the Assistant Secretary will im-
8 plement the program under section 20204, in-
9 cluding through consultation with, or requests
10 for information from, the heads of any relevant
11 Federal agencies, including those with jurisdic-
12 tion over supply chains, for the purposes of en-
13 suring the program authorized under section
14 20204—

15 (i) supports the resilience, diversity,
16 security and strength of a supply chain;
17 and

18 (ii) meets the national security and
19 economic security needs of the United
20 States.

21 (F) Strengthen and increase trade through
22 new and revised trade agreements and other
23 forms of engagement between the United States
24 and allies or key international partners in order
25 to mitigate—

- 1 (i) supply chain vulnerabilities; and
- 2 (ii) the effects of supply chain shocks.
- 3 (G) Recover from supply chain shocks.
- 4 (H) Identify, in coordination with other
- 5 relevant Federal agencies, actions relating to
- 6 supply chains with which the United States
- 7 might—
- 8 (i) raise living standards;
- 9 (ii) increase employment opportuni-
- 10 ties;
- 11 (iii) address the underlying causes of
- 12 irregular migration; and
- 13 (iv) improve critical industry supply
- 14 chain response to supply chain shocks.
- 15 (I) Protect against supply chain shocks
- 16 from countries of concern relating to supply
- 17 chains.
- 18 (J) Provide recommendations to effectuate
- 19 the strategy under this section.
- 20 (2) An assessment of the following:
- 21 (A) The extent to which any office or bu-
- 22 reau within the Department of Commerce that
- 23 the Assistant Secretary determines has duties,
- 24 responsibilities, resources, or expertise that sup-
- 25 port or duplicate the mission of the Office.

1 (B) The purpose of each office and bureau
2 identified under subparagraph (A).

3 (C) Whether the Assistant Secretary will
4 coordinate with each such office and bureau in
5 implementing the requirements of this Act.

6 (D) If the Assistant Secretary makes a
7 positive determination under subparagraph (C),
8 the effectiveness and efficiency of the Assistant
9 Secretary and each such office and bureau at
10 implementing the requirements of this Act.

11 (3) Recommendations, if applicable and con-
12 sistent with the objectives of this Act, on consoli-
13 dating functions amongst the Office and each such
14 office and bureau identified under paragraph (2)(A).

15 (c) SUBMISSION OF STRATEGY.—

16 (1) IN GENERAL.—Not later than 450 days
17 after the date of the enactment of this Act, the As-
18 sistant Secretary shall submit to the Committee on
19 Energy and Commerce of the House of Representa-
20 tives and the Committee on Commerce, Science, and
21 Transportation of the Senate, and publish on the
22 website of the Office, a report containing the strat-
23 egy developed under this section.

24 (2) UPDATE.—Not less than once every 4 years
25 after the date on which the strategy is submitted

1 under paragraph (1), the Assistant Secretary shall
2 submit to Congress an update to such strategy.

3 (3) FORM.—The report submitted under para-
4 graph (1), and any update submitted under para-
5 graph (2), shall be submitted in unclassified form
6 and may include a classified annex.

7 **SEC. 20203. CRITICAL SUPPLY CHAIN MONITORING PRO-**
8 **GRAM.**

9 (a) ACTIVITIES.—The Assistant Secretary shall carry
10 out the following activities:

11 (1) In consultation with the coordination group
12 established under subsection (c)—

13 (A) map, monitor, and model supply
14 chains, including by—

15 (i) monitoring the financial and oper-
16 ational conditions of domestic manufactur-
17 ers and domestic enterprises;

18 (ii) performing stress tests for critical
19 industries, supply chains, domestic enter-
20 prises, and domestic manufacturers;

21 (iii) monitoring the demand and sup-
22 ply of critical goods and services, industrial
23 equipment, and manufacturing technology;
24 and

1 (iv) monitoring manufacturing,
2 warehousing, transportation, and distribu-
3 tion; and

4 (B) identify high priority supply chain
5 gaps and vulnerabilities in critical industries
6 and supply chains that—

7 (i) exist as of the date of the enact-
8 ment of this section; or

9 (ii) are anticipated in the future.

10 (2) Identify and evaluate the following:

11 (A) Supply chain shocks that may disrupt,
12 strain, compromise, or eliminate a supply chain.

13 (B) The manufacturing needs critical to
14 the national security and economic security of
15 the United States.

16 (C) The diversity, security, reliability, and
17 strength of—

18 (i) supply chains, including single
19 point of failure, single producer, or consoli-
20 dated manufacturing; and

21 (ii) the sources of critical goods, in-
22 dustrial equipment, or manufacturing tech-
23 nology, including those obtained or pur-
24 chased from a person outside of the United
25 States or imported into the United States.

1 (D) The availability, capability, and capac-
2 ity of domestic manufacturers or manufacturers
3 located in countries that are allies or key inter-
4 national partners to serve as a source of a crit-
5 ical good, industrial equipment, or manufac-
6 turing technology.

7 (E) The effect on the economic security of
8 the United States, including jobs and wages,
9 that may result from the disruption, strain,
10 compromise, or elimination of a supply chain.

11 (F) The effect on the national security of
12 the United States that may result from the dis-
13 ruption, strain, compromise, or elimination of a
14 supply chain.

15 (G) The state of the manufacturing work-
16 force, including—

17 (i) the needs of domestic manufactur-
18 ers; and

19 (ii) opportunities to create high-qual-
20 ity manufacturing jobs.

21 (H) Investments in critical goods, indus-
22 trial equipment, or manufacturing technology
23 from non-Federal sources.

24 (3) In consultation with the coordination group
25 established under subsection (c), States or political

1 subdivisions thereof, and Tribal governments, and,
2 as appropriate, in cooperation with the governments
3 of countries that are allies or key international part-
4 ners of the United States, the following:

5 (A) Identify opportunities to reduce supply
6 chain gaps and vulnerabilities in critical indus-
7 tries and supply chains.

8 (B) Encourage partnerships between the
9 Federal Government and industry, labor organi-
10 zations, States and political subdivisions there-
11 of, and Tribal governments to better respond to
12 supply chain shocks to critical industries and
13 supply chains and coordinate response efforts.

14 (C) Encourage partnerships between the
15 Federal Government and the governments of
16 countries that are allies or key international
17 partners of the United States.

18 (D) Develop or identify opportunities to
19 build the capacity of the United States in crit-
20 ical industries and supply chains.

21 (E) Develop or identify opportunities to
22 build the capacity of countries that are allies or
23 key international partners of the United States
24 in critical industries and supply chains.

1 (4) In coordination with the Secretary of State
2 and the United States Trade Representative work
3 with governments of countries that are allies or key
4 international partners of the United States to pro-
5 mote diversified and resilient supply chains that en-
6 sure the supply of critical goods, industrial equip-
7 ment, and manufacturing technology to the United
8 States and companies of countries that are allies or
9 key international partners of the United States.

10 (5) Coordinate with other offices and divisions
11 of the Department of Commerce and other Federal
12 agencies to use authorities, as of the date of the en-
13 actment of this section, to encourage the resilience
14 of supply chains of critical industries.

15 (b) CONTINUOUS MONITORING.—The Assistant Sec-
16 retary, in consultation with the head of any relevant Fed-
17 eral agency, including those with jurisdiction over supply
18 chains, shall continuously monitor the resilience, diversity,
19 security, and strength of supply chains.

20 (c) COORDINATION GROUP.—

21 (1) IN GENERAL.—In carrying out the applica-
22 ble activities under subsection (a), the Assistant Sec-
23 retary shall establish a unified coordination group
24 led by the Assistant Secretary which shall include
25 private sector partners, labor organizations, and, as

1 appropriate, federally funded research and develop-
2 ment centers, to serve as a method for consultation
3 between and among Federal agencies described
4 under subsection (g) to plan for and respond to sup-
5 ply chain shocks and support the resilience, diver-
6 sity, security, and strength of supply chains.

7 (2) IMPLEMENTATION.—In consultation with
8 the unified coordination group established under
9 paragraph (1), the Assistant Secretary shall do the
10 following:

11 (A) Acquire on a voluntary basis technical,
12 engineering, and operational supply chain infor-
13 mation from the private sector in a manner
14 that ensures any supply chain information pro-
15 vided by the private sector is kept confidential
16 and is exempt from disclosure under section
17 552(b)(3) of title 5, United States Code (com-
18 monly known as the “Freedom of Information
19 Act”).

20 (B) Study the supply chain information ac-
21 quired under subparagraph (A) to—

22 (i) identify supply chains;

23 (ii) assess the resilience of supply
24 chains;

1 (iii) identify supply chains vulnerable
2 to disruption, strain, compromise, or elimi-
3 nation; and

4 (iv) inform planning.

5 (C) Convene with relevant private sector
6 entities to share best practices, planning, and
7 capabilities to respond to potential supply chain
8 shocks.

9 (D) Develop contingency plans and coordi-
10 nation mechanisms to ensure an effective and
11 coordinated response to potential supply chain
12 shocks.

13 (3) SUBGROUPS.—In carrying out the activities
14 described in paragraph (2), the Assistant Secretary
15 may establish subgroups of the unified coordination
16 group established under paragraph (1) led by the
17 head of an appropriate Federal agency.

18 (4) INTERNATIONAL AGREEMENTS.—The Sec-
19 retary, in consultation with the United States Trade
20 Representative and any other relevant Federal agen-
21 cy, may enter into agreements with governments of
22 countries that are allies or key international part-
23 ners of the United States relating to enhancing the
24 security and resilience of supply chains in response
25 to supply chain shocks.

1 (d) DESIGNATIONS.—The Assistant Secretary shall—

2 (1) not later than 270 days after the date of
3 the enactment of this Act, designate—

4 (A) critical industries;

5 (B) supply chains; and

6 (C) critical goods;

7 (2) provide for a period of public comment and
8 review in carrying out paragraph (1); and

9 (3) update the designations made under para-
10 graph (1) not less frequently than once every four
11 years.

12 (e) QUADRENNIAL REPORT ON SUPPLY CHAIN RE-
13 SILIENCE AND DOMESTIC MANUFACTURING.—

14 (1) IN GENERAL.—Not later than four years
15 after the date on which the final Sectoral Supply
16 Chain Assessments report on supply chains required
17 under section 4(a) of Executive Order 14017 (relat-
18 ing to America’s supply chains) is submitted, and
19 not later than once every four years thereafter, the
20 Assistant Secretary, in coordination with the head of
21 each relevant Federal agency and relevant private
22 sector entities, labor organizations, States and polit-
23 ical subdivisions thereof, and Tribal governments,
24 shall submit to the relevant committees of Congress
25 and post on the website of the Assistant Secretary

1 a report on supply chain resilience and domestic
2 manufacturing (in this subsection referred to as the
3 “report”) to strengthen, improve, and preserve the
4 resilience, diversity, security, and strength of supply
5 chains.

6 (2) CONTENTS OF REPORT.—The report shall
7 include the following:

8 (A) An identification of—

9 (i) the critical industries, supply
10 chains, and critical goods designated under
11 subsection (d);

12 (ii) supplies that are critical to the
13 crisis preparedness of the United States;

14 (iii) substitutes for critical goods, in-
15 dustrial equipment, and manufacturing
16 technology;

17 (iv) the matters identified and evalu-
18 ated pursuant to subsection (a)(2); and

19 (v) countries that are critical to ad-
20 dressing international and domestic supply
21 chain weaknesses and vulnerabilities.

22 (B) A description of—

23 (i) the manufacturing base and supply
24 chains in the United States, including the

1 manufacturing base and supply chains
2 for—

3 (I) industrial equipment;

4 (II) critical goods, including raw
5 materials and semiconductors, that
6 are essential to the production of
7 technologies and supplies for critical
8 industries; and

9 (III) manufacturing technology;

10 and

11 (ii) the ability of the United States

12 to—

13 (I) maintain readiness with re-
14 spect to preparing for and responding
15 to supply chain shocks; and

16 (II) in response to a supply chain
17 shock—

18 (aa) surge production in
19 critical industries;

20 (bb) surge production of
21 critical goods and industrial
22 equipment; and

23 (cc) maintain access to crit-
24 ical goods, industrial equipment,
25 and manufacturing technology.

1 (C) An assessment and description of—

2 (i) demand and supply of critical
3 goods, industrial equipment, and manufac-
4 turing technology;

5 (ii) production of critical goods, indus-
6 trial equipment, and manufacturing tech-
7 nology by domestic manufacturers; and

8 (iii) the capability and capacity of do-
9 mestic manufacturers and manufacturers
10 in countries that are allies or key inter-
11 national partners of the United States to
12 manufacture critical goods, industrial
13 equipment, and manufacturing technology.

14 (D) An identification of defense, intel-
15 ligence, homeland, economic, domestic labor
16 supply, natural, geopolitical, or other contin-
17 gencies and other supply chain shocks that may
18 disrupt, strain, compromise, or eliminate a sup-
19 ply chain.

20 (E) An assessment of—

21 (i) the resilience and capacity of the
22 manufacturing base, supply chains, and
23 workforce of the United States and allies
24 and key international partners that can

1 sustain critical industries through a supply
2 chain shock;

3 (ii) the flexible manufacturing capac-
4 ity and capabilities available in the United
5 States in the case of a supply chain shock;
6 and

7 (iii) the effect innovation has on do-
8 mestic manufacturing.

9 (F) Specific recommendations to improve
10 the security and resilience of manufacturing ca-
11 pacity and supply chains through the following:

12 (i) Developing long-term strategies.

13 (ii) Increasing visibility into the net-
14 works and capabilities of suppliers and do-
15 mestic manufacturers.

16 (iii) Identifying industry best prac-
17 tices.

18 (iv) Evaluating how diverse supplier
19 networks, multi-platform and multi-region
20 production capabilities and sources, and in-
21 tegrated global and regional supply chains
22 can—

23 (I) enhance the resilience of crit-
24 ical industries and manufacturing ca-
25 pabilities in the United States;

1 (II) support and create jobs in
2 the United States; and

3 (III) support access of the
4 United States to critical goods during
5 a supply chain shock.

6 (v) Identifying and mitigating risks,
7 including—

8 (I) the financial and operational
9 risks of a supply chain;

10 (II) significant vulnerabilities to
11 supply chain shocks and other emer-
12 gencies; and

13 (III) exposure to gaps and
14 vulnerabilities in—

15 (aa) domestic capacity or ca-
16 pabilities; and

17 (bb) sources of imports
18 needed to sustain critical indus-
19 tries and supply chains.

20 (vi) Identifying enterprise resource
21 planning systems that are—

22 (I) compatible across supply
23 chain tiers; and

24 (II) affordable for small and me-
25 dium-sized businesses.

1 (vii) Understanding the total cost of
2 ownership, total value contribution, and
3 other best practices that encourage stra-
4 tegic partnerships throughout supply
5 chains.

6 (viii) Understanding Federal procure-
7 ment opportunities to increase resilience of
8 supply chains and fill gaps in domestic
9 purchasing of critical goods.

10 (ix) Identifying policies that maximize
11 job retention and creation in the United
12 States, including workforce development
13 programs.

14 (x) Identifying opportunities to work
15 with allies or key international partners of
16 the United States to build more resilient
17 critical industry supply chains and mitigate
18 risks.

19 (xi) Identifying areas requiring fur-
20 ther investment in research and develop-
21 ment or workforce education.

22 (xii) Identifying such other services as
23 the Assistant Secretary determines nec-
24 essary.

1 (G) Guidance to the National Science
2 Foundation and other relevant Federal agencies
3 with respect to critical goods, industrial equip-
4 ment, and manufacturing technologies that
5 should be prioritized.

6 (H) With respect to countries that are al-
7 lies or key international partners of the United
8 States—

9 (i) a review of and, if appropriate,
10 recommendations for expanding the
11 sourcing of critical goods, industrial equip-
12 ment, and manufacturing technology asso-
13 ciated with critical industries from those
14 countries; and

15 (ii) a recommendation to coordinate
16 with those countries on—

17 (I) sourcing critical goods, indus-
18 trial equipment, and manufacturing
19 technology; and

20 (II) developing, sustaining, and
21 expanding production and availability
22 of supply chains, critical goods, indus-
23 trial equipment, and manufacturing
24 technology during a supply chain
25 shock.

1 (I) Recommendations for strengthening the
2 financial and operational health of small and
3 medium-sized businesses in supply chains of the
4 United States and countries that are allies or
5 key international partners of the United States
6 to mitigate risks and ensure diverse and com-
7 petitive supplier markets that are less vulner-
8 able to failure.

9 (J) An assessment of policies, rules, and
10 regulations that impact the operating costs of
11 domestic manufacturers and inhibit the ability
12 for domestic manufacturers to compete with
13 global competitors.

14 (K) Recommendations regarding freight
15 and logistics necessary to support supply
16 chains.

17 (3) PROHIBITION.—The report may not in-
18 clude—

19 (A) supply chain information that is not
20 aggregated; or

21 (B) confidential business information of a
22 private sector entity.

23 (4) COLLABORATION.—The head of any Fed-
24 eral agency with jurisdiction over any supply chain
25 shall collaborate with the Assistant Secretary and

1 provide any information, data, or assistance that the
2 Assistant Secretary determines to be necessary for
3 developing the report.

4 (5) FORM.—The report, and any update sub-
5 mitted thereafter, shall be submitted in unclassified
6 form and may include a classified annex.

7 (6) PUBLIC COMMENT.—The Assistant Sec-
8 retary shall provide for a period of public comment
9 and review in developing the report.

10 (f) REPORT TO CONGRESS.—Concurrent with the an-
11 nual submission by the Secretary of the budget under sec-
12 tion 1105 of title 31, United States Code, the Secretary
13 shall submit to the relevant committees of Congress and
14 post on the website of the Assistant Secretary a report
15 that contains a summary of the activities required under
16 subsection (a) carried out under this section during the
17 fiscal year covered by the report. Such report shall be sub-
18 mitted in unclassified form and may include a classified
19 annex.

20 (g) COORDINATION.—

21 (1) IN GENERAL.—In implementing the require-
22 ments under subsection (e), the Assistant Secretary
23 shall, as appropriate coordinate with—

24 (A) the heads of appropriate Federal agen-
25 cies, including—

1 (i) the Secretary of State; and
2 (ii) the United States Trade Rep-
3 resentative; and

4 (B) the Attorney General and the Federal
5 Trade Commission with respect to—

6 (i) advice on the design and activities
7 of the unified coordination group described
8 in subsection (c)(1); and

9 (ii) ensuring compliance with Federal
10 antitrust law.

11 (2) SPECIFIC COORDINATION.—In carrying out
12 the requirements under this section, with respect to
13 supply chains involving specific sectors, the Assist-
14 ant Secretary shall, as appropriate, coordinate
15 with—

16 (A) the Secretary of Defense;

17 (B) the Secretary of Homeland Security;

18 (C) the Secretary of the Treasury;

19 (D) the Secretary of Energy;

20 (E) the Secretary of Transportation;

21 (F) the Secretary of Agriculture;

22 (G) the Director of National Intelligence;

23 (H) the Secretary of Health and Human
24 Services;

25 (I) the Small Business Administration;

1 (J) the Secretary of Labor; and

2 (K) the head of any other relevant Federal
3 agency, as appropriate.

4 (h) RULE OF CONSTRUCTION.—Nothing in this sec-
5 tion shall be construed to require any private entity—

6 (1) to share information with the Secretary or
7 Assistant Secretary;

8 (2) to request assistance from the Secretary or
9 Assistant Secretary; or

10 (3) that requests assistance from the Secretary
11 or Assistant Secretary to implement any measure or
12 recommendation suggested by the Secretary or As-
13 sistant Secretary.

14 (i) PROTECTIONS.—

15 (1) IN GENERAL.—Supply chain information
16 that is voluntarily and lawfully submitted by a pri-
17 vate entity and accompanied by an express state-
18 ment described in paragraph (2) of this subsection—

19 (A) shall be exempt from disclosure under
20 section 552(b)(3) of title 5, United States Code;

21 (B) shall not be made available by any
22 Federal, State, local, or Tribal authority pursu-
23 ant to any Federal, State, local, or Tribal law
24 requiring public disclosure of information or
25 records; and

1 (C) shall not, without the written consent
2 of the person or entity submitting such infor-
3 mation, be used directly by the Assistant Sec-
4 retary, or any other Federal, State, or local au-
5 thority in any civil enforcement action brought
6 by a Federal, State, or local authority.

7 (2) EXPRESS STATEMENT.—The express state-
8 ment described in this paragraph, with respect to in-
9 formation or records, is—

10 (A) in the case of written information or
11 records, a written marking on the information
12 or records substantially similar to the following:
13 “This information is voluntarily submitted to
14 the Federal Government in expectation of pro-
15 tection from disclosure as provided by the provi-
16 sions of section 20203(i) of the America COM-
17 PETES Act of 2022.”; or

18 (B) in the case of oral information, a writ-
19 ten statement similar to the statement de-
20 scribed in subparagraph (A) submitted within a
21 reasonable period following the oral communica-
22 tion.

23 (3) INAPPLICABILITY TO SEMICONDUCTOR IN-
24 CENTIVE PROGRAM.—This subsection shall not apply
25 to the voluntary submission of supply chain informa-

1 tion by a private entity in an application for Federal
2 financial assistance under section 9902 of the Wil-
3 liam M. (Mac) Thornberry National Defense Author-
4 ization Act for Fiscal Year 2021 (Public Law 116-
5 283).

6 (j) NO EFFECT ON DISCOVERY.—Subject to sub-
7 section (i), nothing in this section, nor any rule, regula-
8 tion, or amendment shall be construed to create a defense
9 to a discovery request, or otherwise limit or affect the dis-
10 covery of supply chain information from a private entity
11 arising from a cause of action authorized under any under
12 Federal, State, local, or Tribal law.

13 (k) CONSISTENCY WITH INTERNATIONAL AGREE-
14 MENTS.—This section shall be applied in a manner con-
15 sistent with United States obligations under international
16 agreements.

17 (l) AUTHORIZATION OF APPROPRIATIONS.—There is
18 authorized to be appropriated to the Assistant Secretary
19 \$500,000,000 for fiscal years 2022 through 2027, to re-
20 main available until expended, to carry out this section,
21 of which not more than 2 percent per fiscal year may be
22 used for administrative costs.

1 **SEC. 20204. CRITICAL SUPPLY CHAIN RESILIENCE PRO-**
2 **GRAM.**

3 (a) **IN GENERAL.**—The Assistant Secretary shall
4 support the resilience, diversity, security, and strength of
5 supply chains by providing grants, loans, and loan guaran-
6 tees for eligible activities to eligible entities.

7 (b) **APPLICATION.**—The Assistant Secretary may not
8 provide a grant, loan, or loan guarantee under this section
9 to an eligible entity unless the eligible entity submits to
10 the Assistant Secretary an application at such time, in
11 such form, and containing such information as the Assist-
12 ant Secretary may require, including—

13 (1) a description of the eligible activity to be
14 carried out with the grant, loan, or loan guarantee;

15 (2) a description of the supply chain supported
16 by the eligible activity;

17 (3) an estimate of the total costs of the eligible
18 activity; and

19 (4) in the case of an application submitted for
20 an eligible activity described in subparagraph (B) or
21 (C) of subsection (c)(2), a description of domestic
22 manufacturing operations for the production of the
23 critical good.

24 (c) **ELIGIBLE ACTIVITIES.**—

1 (1) ACTIVITIES IN THE UNITED STATES.—The
2 following activities may be carried out with a grant,
3 loan, or loan guarantee under this section:

4 (A) The development, diversification, pres-
5 ervation, improvement, support, restoration, or
6 expansion of supply chains and the domestic
7 manufacturing of critical goods, industrial
8 equipment, and manufacturing technology, in-
9 cluding activities that support any of the fol-
10 lowing:

11 (i) The manufacturing of a critical
12 good or industrial equipment in the United
13 States.

14 (ii) The commercialization, adoption,
15 deployment, or use of manufacturing tech-
16 nology by domestic manufacturers in the
17 United States.

18 (iii) The design, engineering, con-
19 struction, expansion, improvement, repair,
20 or maintenance of critical infrastructure or
21 a manufacturing facility in the United
22 States.

23 (iv) The purchase, lease, acquisition,
24 enhancement, or retooling of industrial
25 equipment for use in the United States.

1 (v) The purchase, lease, or other ac-
2 quisition of critical goods, industrial equip-
3 ment, or manufacturing technology from
4 reliable sources.

5 (vi) The relocation of manufacturing
6 facilities or operations related to the pro-
7 duction of a critical good out of a country
8 of concern and into the United States.

9 (vii) The modification of manufac-
10 turing facilities, industrial equipment, or
11 operations related to the manufacture of
12 critical goods to—

13 (I) create new capabilities for an
14 eligible entity to manufacture critical
15 goods in the United States;

16 (II) expand existing operations to
17 increase the manufacture of critical
18 goods in the United States; or

19 (III) accommodate any manufac-
20 turing operations related to critical
21 goods that are being relocated to the
22 United States.

23 (viii) The development of tools or
24 processes that relate to procuring, trans-
25 porting, or storing critical goods.

1 (B) The manufacture or acquisition of a
2 substitute for a critical good, industrial equip-
3 ment, or manufacturing technology.

4 (C) The establishment, improvement, de-
5 velopment, expansion, or preservation of surge
6 capacity or stockpiling of a critical good or in-
7 dustrial equipment, as appropriate and nec-
8 essary.

9 (D) The establishment, improvement, or
10 preservation of diverse, secure, reliable, and
11 strong sources and locations of a critical good
12 in the United States.

13 (2) ACTIVITIES RELATING TO ALLIES AND KEY
14 INTERNATIONAL PARTNERS.—The following activi-
15 ties may be carried out with a loan or loan guar-
16 antee under this section:

17 (A) The design, engineering, construction,
18 expansion, improvement, repair, or maintenance
19 of critical infrastructure or a manufacturing fa-
20 cility in an ally or key international partner.

21 (B) The relocation of manufacturing facili-
22 ties or operations related to the production of
23 a critical good out of a country of concern and
24 into an ally or key international partner, with
25 a priority for countries—

1 (i) in the covered Western Hemi-
2 sphere countries;

3 (ii) that are member states of the
4 North Atlantic Treaty Organization
5 (NATO);

6 (iii) that are designated as a major
7 non-NATO ally pursuant to section 517(a)
8 of the Foreign Assistance Act of 1961 (22
9 U.S.C. 2321k(a)); and

10 (iv) identified under section
11 20203(e)(2)(A)(v).

12 (C) The modification of manufacturing fa-
13 cilities, industrial equipment, or operations re-
14 lated to the manufacture of critical goods to—

15 (i) create new capabilities for an eligi-
16 ble entity to manufacture critical goods in
17 an ally or key international partner;

18 (ii) expand existing operations to in-
19 crease the manufacture of critical goods in
20 an ally or key international partner; or

21 (iii) accommodate any manufacturing
22 operations related to critical goods that are
23 being relocated to an ally or key inter-
24 national partner.

1 (d) ELIGIBLE ENTITIES.—The following entities are
2 eligible to receive grants, loans, and loan guarantees under
3 this section:

4 (1) A domestic manufacturer.

5 (2) A domestic enterprise.

6 (3) A State or a county, city, or other political
7 subdivision of a State.

8 (4) A Tribal government.

9 (5) A manufacturing extension center estab-
10 lished as part of the Hollings Manufacturing Exten-
11 sion Partnership.

12 (6) A Manufacturing USA institute as de-
13 scribed in section 34(d) of the National Institute of
14 Standards and Technology Act (15 U.S.C. 278s(d)).

15 (7) An institution of higher education acting as
16 part of a consortium, partnership, or joint venture
17 with another eligible entity described in paragraphs
18 (1) through (6).

19 (8) A public or private nonprofit organization
20 or association acting as part of a consortium, part-
21 nership, or joint venture with another eligible entity
22 described in paragraphs (1) through (6).

23 (9) A consortium, partnership, or joint venture
24 of two or more eligible entities described under para-
25 graphs (1) through (8).

1 (e) REQUIREMENTS.—The Assistant Secretary may
2 only provide a grant, loan, or loan guarantee to an eligible
3 entity if the Assistant Secretary makes a determination
4 of the following:

5 (1) The grant, loan, or loan guarantee is for an
6 eligible activity.

7 (2) Without the grant, loan, or loan guarantee,
8 the eligible entity would not be able to fund or fi-
9 nance the eligible activity under reasonable terms
10 and conditions.

11 (3) The grant, loan, or loan guarantee is a cost
12 effective, expedient, and practical form of financial
13 assistance for the eligible activity.

14 (4) There is a reasonable assurance that—

15 (A) the eligible entity will implement the
16 eligible activity in accordance with the applica-
17 tion submitted under subsection (b); and

18 (B) the eligible activity will support—

19 (i) the resilience, diversity, security, or
20 strength of a supply chain; and

21 (ii) the national security or economic
22 security of the United States.

23 (5) The eligible entity agrees to provide the in-
24 formation required under subsection (m)(3).

1 (6) For an eligible activity described in sub-
2 paragraph (B) or (C) of subsection (e)(2), relocation
3 of a manufacturing facility or operations into the
4 United States is uneconomical.

5 (7) The eligible activity does not support the
6 production of a critical good subject to an anti-
7 dumping or countervailing duty order imposed by
8 the United States.

9 (f) CRITERIA.—The Assistant Secretary shall estab-
10 lish criteria for the awarding of grants, loans, and loan
11 guarantees that meet the requirements of subsection (e),
12 including the following:

13 (1) The extent to which the eligible activity sup-
14 ports the resilience, diversity, security, and strength
15 of a supply chain.

16 (2) The extent to which the eligible activity is
17 funded or financed by non-Federal sources.

18 (3) The extent to which the grant, loan, or loan
19 guarantee will assist small and medium-sized domes-
20 tic manufacturers.

21 (4) The amount of appropriations that are re-
22 quired to fund or finance the grant, loan, or loan
23 guarantee.

24 (g) RELOCATION CONSIDERATION.—In making a de-
25 termination to provide a loan or loan guarantee to an eligi-

1 ble entity for an eligible activity described in subparagraph
2 (B) or (C) of subsection (c)(2), the Assistant Secretary—

3 (1) shall—

4 (A) consult with the Secretary of State and
5 the heads of other relevant Federal agencies, as
6 appropriate; and

7 (B) to the extent practicable, ensure no
8 single ally or key international partner benefits
9 from an outsized amount of Federal funding
10 provided under this section; and

11 (2) may take into considerations labor and envi-
12 ronmental standards of the ally or key international
13 partner when considering the siting locations for the
14 eligible activity.

15 (h) RELOCATION LIMITATIONS.—As a condition of
16 receiving a loan or loan guarantee for an eligible activity
17 described under subparagraph (B) or (C) of subsection
18 (c)(2), the Assistant Secretary shall prohibit an eligible
19 entity from making capital or labor investments in the
20 manufacturing facility or operation in the country of con-
21 cern for the duration of the grant, loan, or loan guarantee.

22 (i) GRANT COST SHARE.—

23 (1) IN GENERAL.—The amount of a grant
24 under this section may not exceed 80 percent of the

1 reasonably anticipated costs of the eligible activity
2 for which the grant is made.

3 (2) WAIVER.—Upon providing written justifica-
4 tion for a determination made pursuant to this para-
5 graph, which may be submitted with a classified
6 annex to the Committee on Energy and Commerce
7 of the House of Representatives and the Committee
8 on Commerce, Science, and Transportation of the
9 Senate, the Assistant Secretary may waive the cost
10 share requirement of paragraph (1)—

11 (A) during a period of national emergency
12 declared by an Act of Congress or the Presi-
13 dent; and

14 (B) upon making a determination that a
15 grant is necessary to avert the disruption,
16 strain, compromise, or elimination of a supply
17 chain that would severely affect the national se-
18 curity or economic security of the United
19 States.

20 (3) USE OF OTHER FEDERAL ASSISTANCE.—
21 Federal assistance other than a grant under this
22 section may be used to satisfy the non-Federal share
23 of the cost of the eligible activity.

24 (j) LOANS AND LOAN GUARANTEES.—

1 (1) IN GENERAL.—The Assistant Secretary
2 may enter into an agreement with an eligible entity
3 to make a loan, the proceeds of which shall be used
4 to finance an eligible activity.

5 (2) MAXIMUM AMOUNT.—The amount of a loan
6 under this section may not exceed 80 percent of the
7 reasonably anticipated costs of the eligible activity
8 for which the loan is made.

9 (3) WAIVER.—Upon providing written justifica-
10 tion for a determination made pursuant to this para-
11 graph, which may be submitted with a classified
12 annex to the Committee on Energy and Commerce
13 of the House of Representatives and the Committee
14 on Commerce, Science, and Transportation of the
15 Senate, the Assistant Secretary may waive the re-
16 quirement of paragraph (2)—

17 (A) during a period of national emergency
18 declared by an Act of Congress or the Presi-
19 dent; or

20 (B) upon making a determination that a
21 loan is necessary to avert the disruption, strain,
22 compromise, or elimination of a supply chain
23 that would severely affect the national security
24 or economic security of the United States.

25 (4) LOAN GUARANTEES.—

1 (A) IN GENERAL.—The Assistant Sec-
2 retary may provide a loan guarantee to a lender
3 in lieu of making a loan under this section.

4 (B) TERMS.—The terms of a loan guar-
5 antee provided under this section shall be con-
6 sistent with the terms established in this sub-
7 section for a loan.

8 (k) MANUFACTURING INVESTMENT COMPANIES.—

9 (1) IN GENERAL.—The Assistant Secretary
10 may provide a loan or loan guarantee to a manufac-
11 turing investment company.

12 (2) EQUITY CAPITAL.—A manufacturing invest-
13 ment company shall use the proceeds of a loan or
14 loan guarantee provided under this subsection to
15 provide a source of equity capital for eligible entities
16 to carry out eligible activities.

17 (3) APPLICATION.—The Assistant Secretary
18 may not provide a loan or loan guarantee to a man-
19 ufacturing investment company unless the manufac-
20 turing investment company submits to the Assistant
21 Secretary an application at such time, in such form,
22 and containing such information as the Assistant
23 Secretary may require, which shall include the fol-
24 lowing:

1 (A) A plan describing how the manufac-
2 turing investment company intends to provide
3 equity capital to eligible entities to support the
4 resilience, diversity, security, and strength of
5 supply chains.

6 (B) Information regarding the relevant
7 qualifications and general reputation of the
8 management of the manufacturing investment
9 company.

10 (C) A description of how the manufac-
11 turing investment company intends to address
12 the unmet capital needs of eligible entities.

13 (D) A description of whether and to what
14 extent the manufacturing investment company
15 meets the criteria established under paragraph
16 (4).

17 (E) For a manufacturing investment com-
18 pany seeking to provide equity capital for an el-
19 igible activity described in subparagraph (B) or
20 (C) of subsection (c)(2), a description of domes-
21 tic manufacturing operations for the production
22 of the critical good.

23 (4) CRITERIA.—The Secretary shall establish
24 criteria for the awarding of a loan or loan guarantee

1 under this subsection to a manufacturing investment
2 company, including the following:

3 (A) The extent to which the equity capital
4 to be provided under paragraph (2) will support
5 the resilience, diversity, security, and strength
6 of supply chains.

7 (B) The extent to which the plan sub-
8 mitted under paragraph (3)(A) will be funded
9 or financed by non-Federal sources.

10 (C) The extent to which the manufacturing
11 investment company will assist small and me-
12 dium-sized domestic manufacturers.

13 (D) The amount of appropriations that are
14 required to fund or finance the loan or loan
15 guarantee.

16 (5) REQUIREMENTS.—As a condition for pro-
17 viding a loan or loan guarantee under this sub-
18 section, the Assistant Secretary shall require a man-
19 ufacturing investment company to certify the fol-
20 lowing:

21 (A) The equity capital is for an eligible ac-
22 tivity.

23 (B) Without the equity capital, the eligible
24 entity would not be able to fund or finance the

1 eligible activity under reasonable terms and
2 conditions.

3 (C) The equity capital is a cost effective,
4 expedient, and practical form of financial assist-
5 ance for the eligible activity.

6 (D) There is a reasonable assurance
7 that—

8 (i) the eligible entity will implement
9 the eligible activity; and

10 (ii) the eligible activity will support—

11 (I) the resilience, diversity, secu-
12 rity, or strength of a supply chain;
13 and

14 (II) the national security or eco-
15 nomic security of the United States.

16 (E) The manufacturing investment com-
17 pany will provide the information required
18 under paragraph (6)(C).

19 (F) In the case of an eligible activity de-
20 scribed in subsection (c)(2) (B) or (C), reloca-
21 tion of a manufacturing facility or operations
22 into the United States is uneconomical.

23 (G) The eligible activity does not support
24 the production of a critical good subject to an

1 anti-dumping or countervailing duty order im-
2 posed by the United States.

3 (6) PERFORMANCE MEASURES.—For loans and
4 loan guarantees provided under this subsection, the
5 Assistant Secretary shall—

6 (A) develop metrics to assess the extent to
7 which manufacturing investment companies
8 meet the criteria established under paragraph
9 (4);

10 (B) assess the extent to which each manu-
11 facturing investment company awarded a loan
12 or loan guarantee is meeting the criteria estab-
13 lished under paragraph (4); and

14 (C) require the manufacturing investment
15 company to provide to the Assistant Secretary
16 any information relating to the loan or loan
17 guarantee that the Assistant Secretary deter-
18 mines to be necessary to conduct the assess-
19 ment under subparagraph (B).

20 (7) EQUITY CAPS.—The Assistant Secretary
21 may, as a condition of providing a loan or loan guar-
22 antee under this subsection, establish limits on—

23 (A) the maximum amount of equity or
24 quasi-equity securities, shares, or financial in-
25 terests a manufacturing investment company

1 may purchase, make and fund commitments to
2 purchase, invest in, make pledges in respect of,
3 or otherwise acquire from an eligible entity; and

4 (B) the maximum amount of assets a man-
5 ufacturing investment company may hold to be
6 eligible for a loan or loan guarantee under this
7 subsection.

8 (8) CONDITIONS.—The Assistant Secretary may
9 prescribe either specifically or by maximum limits or
10 otherwise, rates of interest, guarantee and commit-
11 ment fees, and other charges which may be made in
12 connection with equity capital made under this sub-
13 section.

14 (9) RELOCATION CONSIDERATION.—In making
15 a determination to provide a loan or loan guarantee
16 to a manufacturing investment company for an eligi-
17 ble activity described under subparagraph (B) or (C)
18 of subsection (c)(2), the Assistant Secretary may
19 take into consideration labor and environmental
20 standards of the ally or key international partner
21 when considering the siting locations for the eligible
22 activity.

23 (10) RELOCATION LIMITATIONS.—As a condi-
24 tion of receiving a loan or loan guarantee from a
25 manufacturing investment company for an eligible

1 activity described under subparagraph (B) or (C) of
2 subsection (e)(2), the manufacturing investment
3 company shall prohibit an eligible entity from mak-
4 ing capital or labor investments in the manufac-
5 turing facility or operation in the country of concern
6 for the duration of the equity capital.

7 (l) CREDITWORTHINESS.—

8 (1) IN GENERAL.—For a loan or loan guar-
9 antee provided under this section, the manufacturing
10 investment company or eligible entity and eligible ac-
11 tivity receiving such loan or loan guarantee shall be
12 creditworthy, which shall be determined by the As-
13 sistant Secretary.

14 (2) CONSIDERATIONS.—In determining the
15 creditworthiness of a manufacturing investment
16 company or an eligible entity and eligible activity
17 under paragraph (1), the Assistant Secretary shall
18 take into consideration relevant factors, including
19 the following:

20 (A) The terms, conditions, financial struc-
21 ture, and security features of the loan or loan
22 guarantee.

23 (B) The revenue sources that will secure or
24 fund any note, bond, debenture, or other debt

1 obligation issued in connection with the loan or
2 loan guarantee.

3 (C) The financial assumptions upon which
4 the loan or loan guarantee is based.

5 (D) The ability of—

6 (i) the manufacturing investment
7 company to provide a source of equity cap-
8 ital for eligible entities; or

9 (ii) the eligible entity to successfully
10 achieve the goal of the eligible activity.

11 (E) The financial soundness and credit his-
12 tory of the manufacturing investment company
13 or eligible entity.

14 (m) CONDITIONS.—The Assistant Secretary may pre-
15 scribe—

16 (1) either specifically or by maximum limits or
17 otherwise, rates of interest, guarantee and commit-
18 ment fees, and other charges which may be made in
19 connection with a loan or loan guarantee made
20 under this section; and

21 (2) regulations governing the forms and proce-
22 dures (which shall be uniform to the extent prac-
23 ticable) to be used in connection with such loans and
24 loan guarantees.

25 (n) SELECTION OF RECIPIENTS.—

1 (1) ABILITY TO MEET CRITERIA.—To the ex-
2 tent practicable, in awarding grants, loans, and loan
3 guarantees under this section, the Assistant Sec-
4 retary shall—

5 (A) select—

6 (i) manufacturing investment compa-
7 nies that best meet the criteria established
8 under subsection (k)(4); and

9 (ii) eligible entities and eligible activi-
10 ties that best meet the criteria established
11 under subsection (f); and

12 (B) serve the greatest needs for a diverse
13 array of critical industries.

14 (2) PRIORITY.—In awarding grants, loans, and
15 loan guarantees under this section, the Assistant
16 Secretary shall prioritize—

17 (A) eligible activities that—

18 (i) are within the United States and
19 employ citizens of the United States; and

20 (ii) will result in the production of
21 critical goods that relate to the strategic
22 needs of the Federal Government in pre-
23 paring for and responding to supply chain
24 shocks; and

1 (B) eligible entities that agree to coordi-
2 nate with the Assistant Secretary to assist the
3 United States in preparing for and responding
4 to supply chain shocks, including through the
5 manufacture of critical goods, as necessary.

6 (o) PERFORMANCE MEASURES.—For grants, loans,
7 and loan guarantees provided under this section to eligible
8 entities, the Assistant Secretary shall—

9 (1) develop metrics to assess the extent to
10 which the criteria established under subsection (f)
11 are met;

12 (2) assess the extent to which the criteria estab-
13 lished under subsection (f) are met; and

14 (3) require the eligible entity to provide to the
15 Assistant Secretary any information that the Assist-
16 ant Secretary determines to be necessary to conduct
17 the assessment under paragraph (2).

18 (p) CONSTRUCTION PROJECTS.—The requirements
19 of section 602 of the Public Works and Economic Develop-
20 ment Act of 1965 (42 U.S.C. 3212) shall apply to a con-
21 struction project that receives financial assistance from
22 the Assistant Secretary under this section in the same
23 manner as such requirements apply to a project assisted
24 by the Secretary under such Act.

1 (q) WORKFORCE PROTECTIONS.—Any eligible entity
2 and manufacturing investment company applying for a
3 grant, loan, or loan guarantee under this section, in any
4 case in which the eligible entity has 100 or more employ-
5 ees, shall make a good-faith certification to the Assistant
6 Secretary that—

7 (1) the eligible entity will not abrogate existing
8 collective bargaining agreements, as applicable, for—

9 (A) the term of the grant; or

10 (B) the term of the loan or loan guarantee
11 and 2 years after completing repayment of the
12 loan; and

13 (2) the eligible entity will remain neutral in any
14 union organizing effort for the term of the grant,
15 loan, or loan guarantee.

16 (r) CONSISTENCY WITH INTERNATIONAL AGREE-
17 MENTS.—This section shall be applied in a manner con-
18 sistent with United States obligations under international
19 agreements.

20 (s) LIMITATION.—To the extent practicable, none of
21 the funds made available to carry out this section may
22 be used to support manufacturing in a country of concern.

23 (t) REGULATIONS.—The Assistant Secretary may
24 promulgate such regulations as the Assistant Secretary
25 determines to be appropriate to carry out this section.

1 (u) SUPPLY CHAINS FOR CRITICAL MANUFACTURING
2 INDUSTRIES FUND.—

3 (1) ESTABLISHMENT.—There is established in
4 the Treasury of the United States a fund to be
5 known as the “Supply Chains for Critical Manufac-
6 turing Industries Fund” (in this section referred to
7 as the “Fund”), which shall solely be used by the
8 Assistant Secretary to carry out this section.

9 (2) REVOLVING LOAN FUND.—The proceeds of
10 any conditions prescribed under subsection (k)(1)
11 shall be deposited into the Fund.

12 (v) RULE OF CONSTRUCTION.—Nothing in this sec-
13 tion may be construed to permit the proceeds of a grant,
14 loan, loan guarantee, or equity investment to support ac-
15 tivities that offshore manufacturing capacity from the
16 United States.

17 (w) AUTHORIZATION OF APPROPRIATIONS.—

18 (1) IN GENERAL.—There is authorized to be
19 appropriated to the Fund \$45,000,000,000 for fiscal
20 years 2022 through 2027. Such amount is author-
21 ized to remain available until expended.

22 (2) PURPOSES.—Of the amount appropriated
23 under paragraph (1), not more than—

24 (A) \$31,000,000,000 may be used for
25 loans and loan guarantees to eligible entities;

1 (B) \$10,000,000,000 may be used for
2 grants to eligible entities;

3 (C) \$4,000,000,000 may be used for loans
4 and loan guarantees to manufacturing invest-
5 ment companies; and

6 (D) 2 percent per fiscal year may be used
7 for administrative costs.

8 **SEC. 20205. SUPPLY CHAIN INNOVATION AND BEST PRAC-**
9 **TICES.**

10 (a) IN GENERAL.—The Assistant Secretary, in con-
11 sultation with the Director of the National Institute of
12 Standards and Technology, shall, on an ongoing basis, fa-
13 cilitate and support the development of a voluntary set of
14 standards, guidelines, best practices, management strate-
15 gies, methodologies, procedures, and processes for domes-
16 tic manufacturers and entities manufacturing, purchasing,
17 or using a critical good to—

18 (1) measure the resilience, diversity, security,
19 and strength of supply chains;

20 (2) evaluate the value of the resilience, diver-
21 sity, security, and strength of supply chains; and

22 (3) design organizational processes and incen-
23 tives to reduce the risks of disruption, strain, com-
24 promise, or elimination of a supply chain.

1 (b) REQUIREMENTS.—In carrying out subsection (a),
2 the Assistant Secretary shall do the following:

3 (1) Coordinate closely and regularly with rel-
4 evant private sector personnel and entities, manufac-
5 turing extension centers established as part of the
6 Hollings Manufacturing Extension Partnership,
7 Manufacturing USA institutes as described in sec-
8 tion 34(d) of the National Institute of Standards
9 and Technology Act (15 U.S.C. 278s(d)), and other
10 relevant stakeholders and incorporate industry ex-
11 pertise.

12 (2) Consult with the head of any relevant Fed-
13 eral agency, including those with jurisdiction over
14 supply chains, States, local governments, Tribal gov-
15 ernments, the governments of other nations, and
16 international organizations, as necessary.

17 (3) Collaborate with private sector stakeholders
18 to identify a prioritized, flexible, repeatable, per-
19 formance-based, and cost-effective approach that
20 may be voluntarily adopted by domestic manufactur-
21 ers and entities purchasing or using a critical good
22 to help them—

23 (A) identify, assess, and manage risks to
24 supply chains; and

1 (B) value the resilience, diversity, security,
2 and strength of their supply chain.

3 (4) Facilitate the design of—

4 (A) voluntary processes for selecting sup-
5 pliers that support the resilience, diversity, se-
6 curity, and strength of supply chains; and

7 (B) methodologies to identify and mitigate
8 the effects of a disruption, strain, compromise,
9 or elimination of a supply chain.

10 (5) Disseminate research and information to as-
11 sist domestic manufacturers redesign products, ex-
12 pand manufacturing capacity, and improve capabili-
13 ties to meet domestic needs for critical goods and
14 supply chains.

15 (6) Incorporate relevant voluntary standards
16 and industry best practices.

17 (7) Consider small business concerns.

18 (8) Any other elements the Assistant Secretary
19 determines to be necessary.

20 (c) AUTHORIZATION OF APPROPRIATIONS.—There is
21 authorized to be appropriated to the Office \$500,000,000
22 for fiscal years 2022 through 2027, to remain available
23 until expended, for the Assistant Secretary to carry out
24 this section, of which not more than 2 percent per fiscal
25 year may be used for administrative costs.

1 **SEC. 20206. PROGRAM EVALUATION BY THE INSPECTOR**
2 **GENERAL OF THE DEPARTMENT OF COM-**
3 **MERCE.**

4 (a) PROGRAM EVALUATION.—Not later than 4 years
5 after the date of the enactment of this Act, and every 4
6 years thereafter, the Inspector General of the Department
7 of Commerce shall conduct an audit of the Office to—

8 (1) evaluate the performance of the activities
9 supported by a grant, loan, or loan guarantee under
10 section 20204;

11 (2) evaluate the extent to which the require-
12 ments and criteria under this subtitle are met; and

13 (3) provide recommendations on any proposed
14 changes to improve the effectiveness of the Office on
15 meeting the mission described under section
16 20201(b).

17 (b) AUTHORIZATION OF APPROPRIATIONS.—There is
18 authorized to be appropriated to the Inspector General of
19 the Department of Commerce \$5,000,000 for fiscal years
20 2022 through 2027, to remain available until expended,
21 to carry out subsection (a).

22 **SEC. 20207. SUPPLY CHAIN DATABASE AND TOOLKIT.**

23 (a) ESTABLISHMENT.—

24 (1) IN GENERAL.—Not later than 180 days
25 after the date of the enactment of this Act, the Sec-

1 retary of Commerce shall establish a database and
2 online toolkit under which—

3 (A) United States businesses may volun-
4 tarily submit to the Secretary information on—

5 (i) the products produced by such
6 businesses in the United States, which may
7 be finished goods or inputs for other
8 goods;

9 (ii) the inputs required for such prod-
10 ucts, which may include, with respect to
11 such an input—

12 (I) the specific geographic loca-
13 tion of the production of the input, in-
14 cluding if the input is sourced from
15 the United States or a foreign coun-
16 try;

17 (II) the business name of a sup-
18 plier of the input;

19 (III) information related to per-
20 ceived or realized challenges in secur-
21 ing the input;

22 (IV) information related to the
23 suspected vulnerabilities or implica-
24 tions of a disruption in securing the
25 input, whether related to national se-

1 curity or the effect on the United
2 States business; or

3 (V) in the case of an input
4 sourced from a foreign country, infor-
5 mation on—

6 (aa) why the input is
7 sourced from a foreign country
8 rather than in the United States;
9 and

10 (bb) if the United States
11 business would be interested in
12 identifying an alternative pro-
13 duced in the United States;

14 (B) United States businesses may request
15 and receive contact information or general in-
16 formation about a United States source or a
17 foreign source for an input;

18 (C) United States businesses are able to
19 specify—

20 (i) what information can be shared
21 with other United States businesses;

22 (ii) what information should be shared
23 only with the Department of Commerce;
24 and

1 (iii) what information could be sub-
2 mitted to Congress or made available to
3 the public; and

4 (D) the Secretary makes information pro-
5 vided under this paragraph available, subject to
6 subparagraph (C), to enable other United
7 States businesses to identify inputs for their
8 products produced in the United States.

9 (2) **FORMAT; PUBLIC AVAILABILITY.**—The Sec-
10 retary shall—

11 (A) provide the database and online toolkit
12 established under paragraph (1) on a publicly
13 available website of the Department of Com-
14 merce; and

15 (B) ensure that the database and online
16 toolkit are—

17 (i) searchable and filterable according
18 to the type of information; and

19 (ii) presented in a user-friendly for-
20 mat.

21 (3) **EXEMPTION FROM PUBLIC DISCLOSURE.**—
22 Information submitted to the Secretary in relation to
23 the database and online toolkit established under
24 paragraph (1)—

1 (A) shall be exempt from disclosure under
2 section 552(b)(3) of title 5, United States Code;
3 and

4 (B) shall not be made available by any
5 Federal, State, political subdivision, or Tribal
6 authority pursuant to any Federal, State, polit-
7 ical subdivision, or Tribal law requiring public
8 disclosure of information or records.

9 (4) REPORTING.—

10 (A) REPORT TO CONGRESS.—Not later
11 than 180 days after the date of the enactment
12 of this Act, and every days thereafter, the Sec-
13 retary shall submit to Congress a report that
14 includes—

15 (i) an assessment of the effectiveness
16 of the database and online toolkit estab-
17 lished under paragraph (1), including sta-
18 tistics regarding the number of new en-
19 tries, total businesses involved, and any
20 change in participation rate during the
21 preceding 180-day period;

22 (ii) recommendations for additional
23 actions to improve the database and online
24 toolkit and participation in the database
25 and online toolkit; and

1 (iii) such other information as the
2 Secretary considers appropriate.

3 (B) PUBLIC REPORT.—Not later than one
4 year after the date of the enactment of this Act,
5 and annually thereafter, the Secretary shall
6 post on a publicly available website of the De-
7 partment of Commerce a report that sets
8 forth—

9 (i) general statistics related to foreign
10 and domestic sourcing of inputs used by
11 United States businesses;

12 (ii) an estimate of the percentage of
13 total inputs used by United States busi-
14 nesses obtained from foreign countries;

15 (iii) data on such inputs
16 disaggregated by industry, geographical lo-
17 cation, and size of operation; and

18 (iv) a description of the methodology
19 used to calculate the statistics and esti-
20 mates required by this paragraph.

21 (b) PUBLIC OUTREACH CAMPAIGN.—

22 (1) IN GENERAL.—The Secretary shall carry
23 out a national public outreach campaign—

1 (A) to educate United States businesses
2 about the existence of the database and online
3 toolkit established under subsection (a); and

4 (B) to facilitate and encourage the partici-
5 pation of such businesses in the database and
6 online toolkit.

7 (2) OUTREACH REQUIREMENT.—In carrying
8 out the campaign under paragraph (1), the Sec-
9 retary shall—

10 (A) establish an advertising and outreach
11 program directed to businesses, industries,
12 State and local agencies, chambers of com-
13 merce, and labor organizations—

14 (i) to facilitate understanding of the
15 value of an aggregated demand mapping
16 system; and

17 (ii) to advertise that the database and
18 online toolkit established under subsection
19 (a) are available for that purpose;

20 (B) notify appropriate State agencies not
21 later than 10 days after the date of the enact-
22 ment of this Act regarding the development of
23 the database and online toolkit; and

24 (C) post a notice on a publicly available
25 website of the Department of Commerce and es-

1 tabish a social media awareness campaign to
2 advertise the database and online toolkit.

3 (3) COORDINATION.—In carrying out the cam-
4 paign under paragraph (1), the Secretary may co-
5 ordinate with other Federal agencies and State or
6 local agencies as appropriate.

7 (4) SEPARATE ACCOUNTING.—

8 (A) BUDGETARY LINE ITEM.—The Sec-
9 retary shall include in the budget justification
10 materials submitted to Congress in support of
11 the Department of Commerce budget for fiscal
12 years 2023 and 2024 (as submitted with the
13 budget of the President under section 1105(a)
14 of title 31, United States Code) specific identi-
15 fication, as a budgetary line item, of the
16 amounts required to carry out the campaign
17 under paragraph (1).

18 (B) PROHIBITION ON COMMINGLING.—
19 Amounts appropriated to carry out this sub-
20 section may not be commingled with any other
21 amounts appropriated to the Department of
22 Commerce.

23 (c) USE OF DEPARTMENT OF COMMERCE RE-
24 SOURCES.—

25 (1) IN GENERAL.—The Secretary—

1 (A) shall, to the maximum extent prac-
2 ticable, construct the database and online tool-
3 kit required by subsection (a), and related ana-
4 lytical features, using expertise within the De-
5 partment of Commerce; and

6 (B) may, as appropriate, adopt new tech-
7 nologies and hire additional employees to carry
8 out this section.

9 (2) MINIMIZATION OF CONTRACTING.—If the
10 activities described in subparagraphs (A) and (B) of
11 paragraph (1) cannot be completed without the em-
12 ployment of contractors, the Secretary should seek
13 to minimize the number of contractors and the scope
14 of the contract.

15 (d) TERMINATION.—This section shall terminate on
16 September 30, 2025.

17 **SEC. 20208. DEFINITIONS.**

18 In this subtitle:

19 (1) ALLY OR KEY INTERNATIONAL PARTNER.—
20 The term “ally or key international partner” does
21 not include—

22 (A) a country that poses a significant na-
23 tional security or economic security risk to the
24 United States; or

25 (B) a country of concern.

1 (2) ASSISTANT SECRETARY.—The term “Assist-
2 ant Secretary” means the Assistant Secretary of the
3 Office of Supply Chain Resilience and Crisis Re-
4 sponse appointed pursuant to section 20201(c).

5 (3) COUNTRY OF CONCERN.—The term “coun-
6 try of concern” means a country in which a con-
7 centrated supply chain is located and—

8 (A) that poses a significant national secu-
9 rity or economic security threat to the United
10 States; or

11 (B) whose government, or elements of such
12 government, has proven to have, or has been
13 credibly alleged to have, committed crimes
14 against humanity or genocide.

15 (4) COVERED WESTERN HEMISPHERE COUN-
16 TRIES.—The term “covered Western Hemisphere
17 countries” means the following countries: Anguilla,
18 Antigua and Barbuda, Argentina, Aruba, The Baha-
19 mas, Barbados, Belize, Bermuda, Bolivia, Brazil, the
20 British Virgin Islands, Canada, Chile, Colombia,
21 Costa Rica, Dominica, Dominican Republic, Ecua-
22 dor, El Salvador, Grenada, Guatemala, Guyana,
23 Haiti, Honduras, Jamaica, Mexico, Montserrat,
24 Netherlands Antilles, Panama, Paraguay, Peru,
25 Saint Kitts and Nevis, Saint Lucia, Saint Vincent

1 and the Grenadines, Suriname, Trinidad and To-
2 bago, Turks and Caicos Islands, Uruguay, and the
3 sovereign government recognized by the United
4 States in Venezuela.

5 (5) CRITICAL GOOD.—The term “critical good”
6 means any raw, in process, or manufactured mate-
7 rial (including any mineral, metal, or advanced proc-
8 essed material), article, commodity, supply, product,
9 or item of supply the absence of which would have
10 a significant effect on—

11 (A) the national security or economic secu-
12 rity of the United States; and

13 (B) critical infrastructure.

14 (6) CRITICAL INDUSTRY.—The term “critical
15 industry” means an industry that is critical for the
16 national security or economic security of the United
17 States, considering key technology focus areas and
18 critical infrastructure.

19 (7) CRITICAL INFRASTRUCTURE.—The term
20 “critical infrastructure” has the meaning given to
21 that term in the Critical Infrastructures Protection
22 Act of 2001 (42 U.S.C. 5195c).

23 (8) DOMESTIC ENTERPRISE.—The term “do-
24 mestic enterprise” means an enterprise that con-

1 ducts business in the United States and procures a
2 critical good.

3 (9) DOMESTIC MANUFACTURER.—The term
4 “domestic manufacturer” means a business that—

5 (A) conducts in the United States the re-
6 search and development, engineering, or pro-
7 duction activities necessary or incidental to
8 manufacturing; or

9 (B) if provided a grant, loan, loan guar-
10 antee, or equity investment under section
11 20204, will conduct in the United States the re-
12 search and development, engineering, or pro-
13 duction activities necessary or incidental to
14 manufacturing.

15 (10) ECONOMICALLY DISTRESSED AREA.—The
16 term “economically distressed area” means an area
17 that meets 1 or more of the requirements described
18 in section 301(a) of the Public Works and Economic
19 Development Act of 1965 (42 U.S.C. 3161(a)).

20 (11) ELIGIBLE ACTIVITY.—The term “eligible
21 activity” means an activity described under section
22 20204(c).

23 (12) ELIGIBLE ENTITY.—The term “eligible en-
24 tity” means an entity described under section
25 20204(d).

1 (13) FEDERAL AGENCY.—The term “Federal
2 agency” has the meaning given the term “agency”
3 in section 551 of title 5, United States Code.

4 (14) INDUSTRIAL EQUIPMENT.—The term “in-
5 dustrial equipment” means any component, sub-
6 system, system, equipment, tooling, accessory, part,
7 or assembly necessary for the manufacturing of a
8 critical good.

9 (15) INSTITUTION OF HIGHER EDUCATION.—
10 The term “institution of higher education” has the
11 meaning given that term under section 101(a) of the
12 Higher Education Act of 1965 (20 U.S.C. 1001(a)).

13 (16) KEY TECHNOLOGY FOCUS AREAS.—The
14 term “key technology focus areas” means the fol-
15 lowing:

16 (A) Artificial intelligence, machine learn-
17 ing, autonomy, and related advances.

18 (B) High performance computing, semi-
19 conductors, and advanced computer hardware
20 and software.

21 (C) Quantum information science and
22 technology.

23 (D) Robotics, automation, and advanced
24 manufacturing.

1 (E) Natural and anthropogenic disaster
2 prevention or mitigation.

3 (F) Advanced communications technology,
4 including optical transmission components.

5 (G) Biotechnology, medical technology,
6 genomics, and synthetic biology.

7 (H) Data storage, data management, dis-
8 tributed ledger technologies, and cybersecurity,
9 including biometrics.

10 (I) Advanced energy and industrial efficacy
11 technologies, such as batteries, advanced nu-
12 clear technologies, and polysilicon for use in
13 solar photovoltaics, including for the purposes
14 of electric generation (consistent with section
15 15 of the National Science Foundation Act of
16 1950 (42 U.S.C. 1874)).

17 (J) Advanced materials science, including
18 composites and 2D materials and equipment,
19 aerospace grade metals, and aerospace specific
20 manufacturing enabling chemicals.

21 (17) LABOR ORGANIZATION.—The term “labor
22 organization” has the meaning given the term in
23 section 2(5) of the National Labor Relations Act (29
24 U.S.C. 152(5)), except that such term shall also in-
25 clude—

1 (A) any organization composed of labor or-
2 ganizations, such as a labor union federation or
3 a State or municipal labor body; and

4 (B) any organization which would be in-
5 cluded in the definition for such term under
6 such section 2(5) but for the fact that the orga-
7 nization represents—

8 (i) individuals employed by the United
9 States, any wholly owned Government cor-
10 poration, any Federal Reserve Bank, or
11 any State or political subdivision thereof;

12 (ii) individuals employed by persons
13 subject to the Railway Labor Act (45
14 U.S.C. 151 et seq.); or

15 (iii) individuals employed as agricul-
16 tural laborers.

17 (18) LENDER.—The term “lender” means any
18 non-Federal qualified institutional buyer (as defined
19 in section 230.144A(a) of title 17, Code of Federal
20 Regulations or a successor regulation).

21 (19) LOAN.—The term “loan” means a direct
22 loan or other debt obligation issued by an eligible en-
23 tity or a manufacturing investment company and
24 funded by the Assistant Secretary in connection with

1 the financing of an eligible activity under section
2 20204.

3 (20) LOAN GUARANTEE.—The term “loan guar-
4 antee” means any guarantee or other pledge by the
5 Assistant Secretary under section 20204 to pay all
6 or part of the principal of, and interest on, a loan
7 or other debt obligation entered into by an eligible
8 entity or a manufacturing investment company and
9 funded by a lender.

10 (21) MANUFACTURE.—The term “manufac-
11 ture” means any activity that is necessary for or in-
12 cidental to the development, production, processing,
13 distribution, or delivery of any raw, in process, or
14 manufactured material (including any mineral,
15 metal, and advanced processed material), article,
16 commodity, supply, product, critical good, or item of
17 supply.

18 (22) MANUFACTURING FACILITY.—The term
19 “manufacturing facility” means any type of building,
20 structure, or real property necessary or incidental to
21 the manufacturing of a critical good.

22 (23) MANUFACTURING INVESTMENT COM-
23 PANY.—The term “manufacturing investment com-
24 pany” means an incorporated body, a limited liabil-
25 ity company, or a limited partnership, including a

1 consortium of public and private entities, organized
2 and chartered or otherwise existing under State law.

3 (24) MANUFACTURING TECHNOLOGY.—The
4 term “manufacturing technology” means tech-
5 nologies that are necessary or incidental to the man-
6 ufacturing of a critical good.

7 (25) NONPROFIT ORGANIZATION.—The term
8 “nonprofit organization” means an organization that
9 is described in section 501(c)(3) of the Internal Rev-
10 enue Code of 1986 and exempt from taxation under
11 section 501(a) of such Code.

12 (26) OFFICE.—The term “Office” means the
13 Supply Chain Resilience and Crisis Response Office
14 established under section 20201.

15 (27) OFFSHORE.—The term “offshore” means
16 the transfer or relocation of manufacturing capacity
17 that is occurring or otherwise would occur in the
18 United States to another country.

19 (28) RELEVANT COMMITTEES OF CONGRESS.—
20 The term “relevant committees of Congress” means
21 the following:

22 (A) The Committee on Commerce, Science,
23 and Transportation of the Senate.

24 (B) The Committee on Appropriations of
25 the Senate.

1 (C) The Committee on Finance of the Sen-
2 ate.

3 (D) The Committee on Homeland Security
4 and Governmental Affairs of the Senate.

5 (E) The Committee on Armed Services of
6 the Senate.

7 (F) The Committee on Energy and Nat-
8 ural Resources of the Senate.

9 (G) The Select Committee on Intelligence
10 of the Senate.

11 (H) The Committee on Science, Space, and
12 Technology of the House of Representatives.

13 (I) The Committee on Energy and Com-
14 merce of the House of Representatives.

15 (J) The Committee on Appropriations of
16 the House of Representatives.

17 (K) The Committee on Ways and Means of
18 the House of Representatives.

19 (L) The Committee on Homeland Security
20 of the House of Representatives.

21 (M) The Committee on Armed Services of
22 the House of Representatives.

23 (N) The Permanent Select Committee on
24 Intelligence of the House of Representatives.

1 (29) RESILIENT SUPPLY CHAIN.—The term
2 “resilient supply chain” means a supply chain
3 that—

4 (A) ensures that the United States can
5 sustain critical industry production, supply
6 chains, services, and access to critical goods, in-
7 dustrial equipment, and manufacturing tech-
8 nology during supply chain shocks; and

9 (B) has key components of resilience that
10 include—

11 (i) effective private sector risk man-
12 agement and mitigation planning to sus-
13 tain supply chains and supplier networks
14 during a supply chain shock;

15 (ii) minimized or managed exposure to
16 supply chain shocks; and

17 (iii) the financial and operational ca-
18 pacity to—

19 (I) sustain supply chains during
20 supply chain shocks; and

21 (II) recover from supply chain
22 shocks.

23 (30) SECRETARY.—The term “Secretary”
24 means the Secretary of Commerce.

1 (31) SMALL BUSINESS CONCERN.—The term
2 “small business concern” has the meaning given
3 that term in section 3(a) of the Small Business Act
4 (15 U.S.C. 632(a)).

5 (32) STATE.—The term “State” means each
6 State of the United States, the District of Columbia,
7 American Samoa, Guam, the Commonwealth of the
8 Northern Mariana Islands, the Commonwealth of
9 Puerto Rico, the Virgin Islands of the United States,
10 and any other territory or possession of the United
11 States.

12 (33) SUPPLY CHAIN.—The term “supply chain”
13 means a supply chain for a critical good.

14 (34) SUPPLY CHAIN INFORMATION.—The term
15 “supply chain information” means information that
16 is not customarily in the public domain and relating
17 to—

18 (A) sustaining and adapting supply chains
19 during a supply chain shock;

20 (B) supply chain risk mitigation and recov-
21 ery planning with respect to a supply chain
22 shock, including any planned or past assess-
23 ment, projection, or estimate of a vulnerability
24 within the supply chain, including testing, sup-
25 plier network assessments, production flexi-

1 bility, risk evaluations thereto, risk manage-
2 ment planning, or risk audits; or

3 (C) operational best practices, planning,
4 and supplier partnerships that enable enhanced
5 resilience of supply chains during a supply
6 chain shock, including response, repair, recov-
7 ery, reconstruction, insurance, or continuity.

8 (35) SUPPLY CHAIN SHOCK.—The term “supply
9 chain shock” includes the following:

10 (A) A natural disaster or extreme weather
11 event.

12 (B) An accidental or human-caused event.

13 (C) An economic disruption.

14 (D) A pandemic.

15 (E) A biological threat.

16 (F) A cyber attack.

17 (G) A great power conflict.

18 (H) A terrorist or geopolitical attack.

19 (I) A public health emergency declared by
20 the Secretary of Health and Human Services
21 pursuant to section 319 of the Public Health
22 Service Act (42 U.S.C. 247d).

23 (J) An event for which the President de-
24 clares a major disaster or an emergency under
25 section 401 or 501, respectively, of the Robert

1 T. Stafford Disaster Relief and Emergency As-
2 sistance Act (42 U.S.C. 5170 and 5191).

3 (K) A national emergency declared by the
4 President under the National Emergencies Act
5 (50 U.S.C. 1601 et seq.).

6 (L) Any other supply chain disruption or
7 threat that affects the national security or eco-
8 nomic security of the United States.

9 (36) TRIBAL GOVERNMENT.—The term “Tribal
10 government” means the governing body of a feder-
11 ally recognized Indian Tribe, an Alaska Native tribal
12 entity, or a Native Hawaiian community.

13 **Subtitle B—Strengthening Con-**
14 **sumer Protections, Tourism,**
15 **and Manufacturing**

16 **SEC. 20211. NATIONAL MANUFACTURING ADVISORY COUN-**
17 **CIL.**

18 (a) DEFINITIONS.—In this section:

19 (1) ADVISORY COUNCIL.—The term “Advisory
20 Council” means the National Manufacturing Advi-
21 sory Council established under subsection (b)(1).

22 (2) APPROPRIATE COMMITTEES OF CON-
23 GRESS.—The term “appropriate committees of Con-
24 gress” means—

1 (A) the Committee on Health, Education,
2 Labor, and Pensions, the Committee on Com-
3 merce, Science, and Transportation, the Com-
4 mittee on Energy and Natural Resources, the
5 Committee on Armed Services, and the Com-
6 mittee on Appropriations of the Senate; and

7 (B) the Committee on Education and
8 Labor, the Committee on Science, Space, and
9 Technology, the Committee on Energy and
10 Commerce, the Committee on Armed Services,
11 and the Committee on Appropriations of the
12 House of Representatives.

13 (3) SECRETARY.—The term “Secretary” means
14 the Secretary of Commerce.

15 (b) ESTABLISHMENT.—

16 (1) IN GENERAL.—The Secretary, in consulta-
17 tion with the Secretary of Labor, the Secretary of
18 Defense, the Secretary of Energy, and the Secretary
19 of Education, shall establish within the Department
20 of Commerce the National Manufacturing Advisory
21 Council.

22 (2) PURPOSE.—The purpose of the Advisory
23 Council shall be to provide recommendations to the
24 Secretary and Federal Government on ways to—

1 (A) provide worker education, training, de-
2 velopment, and entrepreneurship training;

3 (B) connect individuals and business with
4 the services described in subparagraph (A) that
5 are offered in the community of the individuals
6 or businesses;

7 (C) coordinate services relating to em-
8 ployee engagement, including employee owner-
9 ship and workforce training;

10 (D) connect manufacturers with career and
11 technical education entities, institutions of high-
12 er education, community colleges, workforce de-
13 velopment boards, labor organizations, and non-
14 profit job training providers to develop and sup-
15 port training and job placement services and
16 apprenticeship and online learning platforms for
17 new and incumbent workers;

18 (E) develop programming to prevent job
19 losses as entities adopt new technologies and
20 processes; and

21 (F) develop best practices for employee
22 ownership.

23 (c) MISSION.—The mission of the Advisory Council
24 shall be to—

1 (1) provide a forum for regular communication
2 between the Federal Government and the manufac-
3 turing sector in the United States;

4 (2) advise the Federal Government regarding
5 policies and programs of the Federal Government
6 that affect manufacturing in the United States;

7 (3) provide a forum for discussing and pro-
8 posing solutions to problems relating to the manu-
9 facturing industry in the United States; and

10 (4) provide advice and recommendations to the
11 Federal Government to help the United States re-
12 mains the preeminent destination throughout the
13 world for investment in manufacturing.

14 (d) DUTIES.—The duties of the Advisory Council
15 shall include—

16 (1) meeting not less frequently than every 180
17 days to provide independent advice and rec-
18 ommendations to the Secretary regarding issues in-
19 volving manufacturing in the United States;

20 (2) completing specific tasks requested by the
21 Secretary;

22 (3) conveying input to the Assistant Secretary
23 of the Office of Supply Chain Resiliency and Crisis
24 Response from key industry, labor, academic, de-
25 fense, governmental, and other stakeholders to aid in

1 the development of a national strategic plan for
2 manufacturing in the United States;

3 (4) monitoring the status of technological devel-
4 opments, critical production capacity, skill avail-
5 ability, investment patterns, emerging defense needs,
6 and other key indicators of manufacturing competi-
7 tiveness to provide foresight for periodic updates to
8 the national strategic plan for manufacturing devel-
9 oped under paragraph (3);

10 (5) soliciting input from the public and private
11 sectors and academia relating to emerging trends in
12 manufacturing, the responsiveness of Federal pro-
13 gramming with respect to manufacturing, and sug-
14 gestions for areas of increased Federal attention
15 with respect to manufacturing;

16 (6) monitoring global manufacturing trends and
17 global threats to manufacturing sectors in the
18 United States;

19 (7) providing advice and recommendations to
20 the Federal Government on matters relating to in-
21 vestment in and support of the manufacturing work-
22 force relating to—

23 (A) worker participation, including through
24 labor organizations and through other methods
25 determined by the Advisory Council, in the

1 planning for deployment of new technologies
2 across an industry and within workplaces;

3 (B) training and education priorities for
4 the Federal Government and for employers to
5 assist workers in adapting the skills and experi-
6 ences of those workers to fit the demands of the
7 21st century economy;

8 (C) innovative suggestions from workers on
9 the development of new technologies and proc-
10 esses and, as appropriate, assessing the impact
11 of those technologies and processes on the
12 workforce and economy of the United States;

13 (D) management practices that lead to
14 worker employment, job quality, worker protec-
15 tion, worker participation and power in decision
16 making, and investment in worker career suc-
17 cess;

18 (E) policies and procedures to prioritize di-
19 versity and inclusion in the manufacturing and
20 technology workforce by expanding access to
21 job, career advancement, and management op-
22 portunities for underrepresented populations;
23 and

24 (F) advice on how to improve access to de-
25 mand-driven education, training, and re-train-

1 ing for workers, including community and tech-
2 nical colleges, higher education, apprenticeships
3 and work-based learning opportunities;

4 (8) with respect to the manufacturing.gov
5 website, or any successor thereto, providing advice
6 and recommendations to the Secretary in order to—

7 (A) make that website more user-friendly
8 to enhance the ability of that website to—

9 (i) provide information to manufactur-
10 ers; and

11 (ii) receive feedback from manufactur-
12 ers;

13 (B) assist that website in becoming the
14 principal place of interaction between manufac-
15 turers in the United States and Federal pro-
16 grams relating to manufacturing; and

17 (C) enable that website to provide assist-
18 ance to manufacturers relating to—

19 (i) international trade and investment
20 matters;

21 (ii) research and technology develop-
22 ment opportunities;

23 (iii) workforce development and train-
24 ing programs and opportunities;

- 1 (iv) small and medium manufacturer
2 needs; and
3 (v) industrial commons and supply
4 chain needs.

5 (e) MEMBERSHIP.—

6 (1) IN GENERAL.—The Advisory Council
7 shall—

8 (A) consist of individuals appointed by the
9 Secretary with a balance of backgrounds, expe-
10 riences, and viewpoints; and

11 (B) include an equal proportion of individ-
12 uals with manufacturing experience who rep-
13 resent private industry, academia, and labor or-
14 ganizations.

15 (2) PUBLIC PARTICIPATION.—The Secretary
16 shall, to the maximum extent practicable, accept rec-
17 ommendations from the public regarding the ap-
18 pointment of individuals under paragraph (1).

19 (3) PERIOD OF APPOINTMENT; VACANCIES.—

20 (A) IN GENERAL.—Each member of the
21 Advisory Council shall be appointed by the Sec-
22 retary for a term of 3 years.

23 (B) RENEWAL.—The Secretary may renew
24 an appointment made under subparagraph (A)
25 not more than 2 additional terms.

1 (C) STAGGER TERMS.—The Secretary may
2 stagger the terms of the members of the Advi-
3 sory Council to ensure that the terms of the
4 members expire during different years.

5 (D) VACANCIES.—Any member appointed
6 to fill a vacancy on the Advisory Council occur-
7 ring before the expiration of the term for which
8 the member's predecessor was appointed shall
9 be appointed only for the remainder of that
10 term. A member may serve after the expiration
11 of that term until a successor has been ap-
12 pointed.

13 (f) TRANSFER OF FUNCTIONS.—

14 (1) IN GENERAL.—All functions of the United
15 States Advanced Manufacturing Council of the
16 International Trade Administration of the Depart-
17 ment of Commerce, including the personnel, assets,
18 and obligations of the United States Manufacturing
19 Council of the International Trade Administration of
20 the Department of Commerce, as in existence on the
21 day before the date of the enactment of this Act,
22 shall be transferred to the Advisory Council.

23 (2) DEEMING OF NAME.—Any reference in law,
24 regulation, document, paper, or other record of the
25 United States to the United States Advanced Manu-

1 facturing Council of the International Trade Admin-
2 istration of the Department of Commerce shall be
3 deemed a reference to the Advisory Council.

4 (3) UNEXPENDED BALANCES.—Unexpended
5 balances of appropriations, authorization, alloca-
6 tions, or other funds related to the United States
7 Advanced Manufacturing Council of the Inter-
8 national Trade Administration of the Department of
9 Commerce shall be available for use by the Advisory
10 Council for the purpose for which the appropria-
11 tions, authorizations, allocations, or other funds
12 were originally made available.

13 (g) REPORT.—Not later than 180 days after the date
14 on which the Advisory Council holds the initial meeting
15 of the Advisory Council and annually thereafter, the Advi-
16 sory Council shall submit to the appropriate committees
17 of Congress a report containing a detailed statement of
18 the advice and recommendations of the Advisory Council
19 required under subsection (d)(7).

20 (h) DEPARTMENTAL SUPPORT.—Notwithstanding
21 any other provision of law and subject to confidentiality
22 requirements, the Secretary shall furnish to the advisory
23 committee relevant information in the possession of the
24 Department of Commerce relating to the mission of the
25 Advisory Council.

1 **SEC. 20212. AVAILABILITY OF TRAVEL PROMOTION FUND**
2 **FOR BRAND USA.**

3 (a) IN GENERAL.—Not later than 30 days after the
4 date of the enactment of this Act, the Secretary of the
5 Treasury, subject to subsection (b), and notwithstanding
6 any other provision of law, shall make available, from un-
7 obligated balances remaining available from fees collected
8 before October 1, 2020, and credited to Travel Promotion
9 Fund established under subsection (d) of the Travel Pro-
10 motion Act of 2009 (22 U.S.C. 2131(d)), \$250,000,000
11 for the Corporation for Travel Promotion (commonly
12 known as “Brand USA”). Such amounts shall remain
13 available until expended.

14 (b) INAPPLICABILITY OF CERTAIN REQUIREMENTS
15 AND LIMITATIONS.—The limitations and requirements set
16 forth in paragraphs (2)(B) and (3) of subsection (d) of
17 such Act shall not apply to amounts made available under
18 subsection (a).

19 **SEC. 20213. COLLECTION, VERIFICATION, AND DISCLOSURE**
20 **OF INFORMATION BY ONLINE MARKET-**
21 **PLACES TO INFORM CONSUMERS.**

22 (a) COLLECTION AND VERIFICATION OF INFORMA-
23 TION.—

24 (1) COLLECTION.—

25 (A) IN GENERAL.—An online marketplace
26 shall require any high-volume third party seller

1 on such online marketplace's platform to pro-
2 vide, not later than 10 days after qualifying as
3 a high-volume third party seller on the plat-
4 form, the following information to the online
5 marketplace:

6 (i) BANK ACCOUNT.—

7 (I) IN GENERAL.—A bank ac-
8 count number, or, if such seller does
9 not have a bank account, the name of
10 the payee for payments issued by the
11 online marketplace to such seller.

12 (II) PROVISION OF INFORMA-
13 TION.—The bank account or payee in-
14 formation required under subclause
15 (I) may be provided by the seller in
16 the following ways:

17 (aa) To the online market-
18 place.

19 (bb) To a payment processor
20 or other third party contracted
21 by the online marketplace to
22 maintain such information, pro-
23 vided that the online marketplace
24 ensures that it can obtain such
25 information on demand from

1 such payment processor or other
2 third party.

3 (ii) CONTACT INFORMATION.—Contact
4 information for such seller as follows:

5 (I) With respect to a high-volume
6 third party seller that is an individual,
7 the individual’s name.

8 (II) With respect to a high-vol-
9 ume third party seller that is not an
10 individual, one of the following forms
11 of contact information:

12 (aa) A copy of a valid gov-
13 ernment-issued identification for
14 an individual acting on behalf of
15 such seller that includes the indi-
16 vidual’s name.

17 (bb) A copy of a valid gov-
18 ernment-issued record or tax doc-
19 ument that includes the business
20 name and physical address of
21 such seller.

22 (iii) TAX ID.—A business tax identi-
23 fication number, or, if such seller does not
24 have a business tax identification number,
25 a taxpayer identification number.

1 (iv) WORKING EMAIL AND PHONE
2 NUMBER.—A current working email ad-
3 dress and phone number for such seller.

4 (B) NOTIFICATION OF CHANGE; ANNUAL
5 CERTIFICATION.—An online marketplace
6 shall—

7 (i) periodically, but not less than an-
8 nually, notify any high-volume third party
9 seller on such online marketplace’s plat-
10 form of the requirement to keep any infor-
11 mation collected under subparagraph (A)
12 current; and

13 (ii) require any high-volume third
14 party seller on such online marketplace’s
15 platform to, not later than 10 days after
16 receiving the notice under clause (i), elec-
17 tronically certify that—

18 (I) the seller has provided any
19 changes to such information to the
20 online marketplace, if any such
21 changes have occurred;

22 (II) there have been no changes
23 to such seller’s information; or

1 (III) such seller has provided any
2 changes to such information to the
3 online marketplace.

4 (C) SUSPENSION.—In the event that a
5 high-volume third party seller does not provide
6 the information or certification required under
7 this paragraph, the online marketplace shall,
8 after providing the seller with written or elec-
9 tronic notice and an opportunity to provide
10 such information or certification not later than
11 10 days after the issuance of such notice, sus-
12 pend any future sales activity of such seller
13 until such seller provides such information or
14 certification.

15 (2) VERIFICATION.—

16 (A) IN GENERAL.—An online marketplace
17 shall—

18 (i) verify the information collected
19 under paragraph (1)(A) not later than 10
20 days after such collection; and

21 (ii) verify any change to such informa-
22 tion not later than 10 days after being no-
23 tified of such change by a high-volume
24 third party seller under paragraph (1)(B).

1 (B) PRESUMPTION OF VERIFICATION.—In
2 the case of a high-volume third party seller that
3 provides a copy of a valid government-issued
4 tax document, any information contained in
5 such document shall be presumed to be verified
6 as of the date of issuance of such document.

7 (3) DATA USE LIMITATION.—Data collected
8 solely to comply with the requirements of this sec-
9 tion may not be used for any other purpose unless
10 required by law.

11 (4) DATA SECURITY REQUIREMENT.—An online
12 marketplace shall implement and maintain reason-
13 able security procedures and practices, including ad-
14 ministrative, physical, and technical safeguards, ap-
15 propriate to the nature of the data and the purposes
16 for which the data will be used, to protect the data
17 collected to comply with the requirements of this
18 section from unauthorized use, disclosure, access, de-
19 struction, or modification.

20 (b) DISCLOSURE REQUIRED.—

21 (1) REQUIREMENT.—

22 (A) IN GENERAL.—An online marketplace
23 shall—

24 (i) require any high-volume third
25 party seller with an aggregate total of

1 \$20,000 or more in annual gross revenues
2 on such online marketplace, and that uses
3 such online marketplace's platform, to pro-
4 vide the information described in subpara-
5 graph (B) to the online marketplace; and
6 (ii) disclose the information described
7 in subparagraph (B) to consumers in a
8 clear and conspicuous manner—

9 (I) in the order confirmation
10 message or other document or com-
11 munication made to a consumer after
12 a purchase is finalized; and

13 (II) in the consumer's account
14 transaction history.

15 (B) INFORMATION DESCRIBED.—The in-
16 formation described in this subparagraph is the
17 following:

18 (i) Subject to paragraph (2), the iden-
19 tity of the high-volume third party seller,
20 including—

21 (I) the full name of the seller,
22 which may include the seller name or
23 seller's company name, or the name
24 by which the seller or company oper-
25 ates on the online marketplace;

1 (II) the physical address of the
2 seller; and

3 (III) contact information for the
4 seller, to allow for the direct,
5 unhindered communication with high-
6 volume third party sellers by users of
7 the online marketplace, including—

8 (aa) a current working
9 phone number;

10 (bb) a current working email
11 address; or

12 (cc) other means of direct
13 electronic messaging (which may
14 be provided to such seller by the
15 online marketplace).

16 (ii) Whether the high-volume third
17 party seller used a different seller to sup-
18 ply the consumer product to the consumer
19 upon purchase, and, upon the request of
20 an authenticated purchaser, the informa-
21 tion described in clause (i) relating to any
22 such seller that supplied the consumer
23 product to the purchaser, if such seller is
24 different than the high-volume third party

1 seller listed on the product listing prior to
2 purchase.

3 (2) EXCEPTION.—

4 (A) IN GENERAL.—Subject to subpara-
5 graph (B), upon the request of a high-volume
6 third party seller, an online marketplace may
7 provide for partial disclosure of the identity in-
8 formation required under paragraph (1)(B)(i)
9 in the following situations:

10 (i) If such seller certifies to the online
11 marketplace that the seller does not have
12 a business address and only has a residen-
13 tial street address, or has a combined busi-
14 ness and residential address, the online
15 marketplace may—

16 (I) disclose only the country and,
17 if applicable, the State in which such
18 seller resides; and

19 (II) inform consumers that there
20 is no business address available for
21 the seller and that consumer inquiries
22 should be submitted to the seller by
23 phone, email, or other means of elec-
24 tronic messaging provided to such
25 seller by the online marketplace.

1 (ii) If such seller certifies to the online
2 marketplace that the seller is a business
3 that has a physical address for product re-
4 turns, the online marketplace may disclose
5 the seller's physical address for product re-
6 turns.

7 (iii) If such seller certifies to the on-
8 line marketplace that the seller does not
9 have a phone number other than a per-
10 sonal phone number, the online market-
11 place shall inform consumers that there is
12 no phone number available for the seller
13 and that consumer inquiries should be sub-
14 mitted to the seller's email address or
15 other means of electronic messaging pro-
16 vided to such seller by the online market-
17 place.

18 (B) LIMITATION ON EXCEPTION.—If an
19 online marketplace becomes aware that a high-
20 volume third party seller has made a false rep-
21 resentation to the online marketplace in order
22 to justify the provision of a partial disclosure
23 under subparagraph (A) or that a high-volume
24 third party seller who has requested and re-
25 ceived a provision for a partial disclosure under

1 subparagraph (A) has not provided responsive
2 answers within a reasonable time frame to con-
3 sumer inquiries submitted to the seller by
4 phone, email, or other means of electronic mes-
5 saging provided to such seller by the online
6 marketplace, the online marketplace shall, after
7 providing the seller with written or electronic
8 notice and an opportunity to respond not later
9 than 10 days after the issuance of such notice,
10 suspend any future sales activity of such seller
11 unless such seller consents to the disclosure of
12 the identity information required under para-
13 graph (1)(B)(i).

14 (3) REPORTING MECHANISM.—An online mar-
15 ketplace shall disclose to consumers in a clear and
16 conspicuous manner on the product listing of any
17 high-volume third party seller a reporting mecha-
18 nism that allows for electronic and telephonic report-
19 ing of suspicious marketplace activity to the online
20 marketplace.

21 (4) COMPLIANCE.—If a high-volume third party
22 seller does not comply with the requirements to pro-
23 vide and disclose information under this subsection,
24 the online marketplace shall, after providing the sell-
25 er with written or electronic notice and an oppor-

1 tunity to provide or disclose such information not
2 later than 10 days after the issuance of such notice,
3 suspend any future sales activity of such seller until
4 the seller complies with such requirements.

5 (c) ENFORCEMENT BY FEDERAL TRADE COMMIS-
6 SION.—

7 (1) UNFAIR AND DECEPTIVE ACTS OR PRAC-
8 TICES.—A violation of subsection (a) or (b) by an
9 online marketplace shall be treated as a violation of
10 a rule defining an unfair or deceptive act or practice
11 prescribed under section 18(a)(1)(B) of the Federal
12 Trade Commission Act (15 U.S.C. 57a(a)(1)(B)).

13 (2) POWERS OF THE COMMISSION.—

14 (A) IN GENERAL.—The Commission shall
15 enforce subsections (a) and (b) in the same
16 manner, by the same means, and with the same
17 jurisdiction, powers, and duties as though all
18 applicable terms and provisions of the Federal
19 Trade Commission Act (15 U.S.C. 41 et seq.)
20 were incorporated into and made a part of this
21 section.

22 (B) PRIVILEGES AND IMMUNITIES.—Any
23 person that violates subsection (a) or (b) shall
24 be subject to the penalties, and entitled to the
25 privileges and immunities, provided in the Fed-

1 eral Trade Commission Act (15 U.S.C. 41 et
2 seq.).

3 (3) REGULATIONS.—The Commission may pro-
4 mulgate regulations under section 553 of title 5,
5 United States Code, with respect to the collection,
6 verification, or disclosure of information under this
7 section, provided that such regulations are limited to
8 what is necessary to collect, verify, and disclose such
9 information.

10 (4) AUTHORITY PRESERVED.—Nothing in this
11 section shall be construed to limit the authority of
12 the Commission under any other provision of law.

13 (d) ENFORCEMENT BY STATE ATTORNEYS GEN-
14 ERAL.—

15 (1) IN GENERAL.—If the attorney general of a
16 State has reason to believe that any online market-
17 place has violated or is violating this section or a
18 regulation promulgated under this section that af-
19 fects one or more residents of that State, the attor-
20 ney general of the State may bring a civil action in
21 any appropriate district court of the United States,
22 to—

23 (A) enjoin further such violation by the de-
24 fendant;

1 (B) enforce compliance with this section or
2 such regulation;

3 (C) obtain civil penalties in the amount
4 provided for under subsection (c);

5 (D) obtain other remedies permitted under
6 State law; and

7 (E) obtain damages, restitution, or other
8 compensation on behalf of residents of the
9 State.

10 (2) NOTICE.—The attorney general of a State
11 shall provide prior written notice of any action under
12 paragraph (1) to the Commission and provide the
13 Commission with a copy of the complaint in the ac-
14 tion, except in any case in which such prior notice
15 is not feasible, in which case the attorney general
16 shall serve such notice immediately upon instituting
17 such action.

18 (3) INTERVENTION BY THE FTC.—Upon receiv-
19 ing notice under paragraph (2), the Commission
20 shall have the right—

21 (A) to intervene in the action;

22 (B) upon so intervening, to be heard on all
23 matters arising therein; and

24 (C) to file petitions for appeal.

1 (4) LIMITATION ON STATE ACTION WHILE FED-
2 ERAL ACTION IS PENDING.—If the Commission has
3 instituted a civil action for violation of this section
4 or a regulation promulgated under this section, no
5 State attorney general, or official or agency of a
6 State, may bring a separate action under paragraph
7 (1) during the pendency of that action against any
8 defendant named in the complaint of the Commis-
9 sion for any violation of this section or a regulation
10 promulgated under this section that is alleged in the
11 complaint. A State attorney general, or official or
12 agency of a State, may join a civil action for a viola-
13 tion of this section or regulation promulgated under
14 this section filed by the Commission.

15 (5) RULE OF CONSTRUCTION.—For purposes of
16 bringing a civil action under paragraph (1), nothing
17 in this section shall be construed to prevent the chief
18 law enforcement officer, or official or agency of a
19 State, from exercising the powers conferred on such
20 chief law enforcement officer, official or agency of a
21 State, by the laws of the State to conduct investiga-
22 tions, administer oaths or affirmations, or compel
23 the attendance of witnesses or the production of doc-
24 umentary and other evidence.

25 (6) ACTIONS BY OTHER STATE OFFICIALS.—

1 (A) IN GENERAL.—In addition to civil ac-
2 tions brought by attorneys general under para-
3 graph (1), any other officer of a State who is
4 authorized by the State to do so, except for any
5 private person on behalf of the State attorney
6 general, may bring a civil action under para-
7 graph (1), subject to the same requirements
8 and limitations that apply under this subsection
9 to civil actions brought by attorneys general.

10 (B) SAVINGS PROVISION.—Nothing in this
11 subsection may be construed to prohibit an au-
12 thorized official of a State from initiating or
13 continuing any proceeding in a court of the
14 State for a violation of any civil or criminal law
15 of the State.

16 (e) SEVERABILITY.—If any provision of this section,
17 or the application thereof to any person or circumstance,
18 is held invalid, the remainder of this section and the appli-
19 cation of such provision to other persons not similarly situ-
20 ated or to other circumstances shall not be affected by
21 the invalidation.

22 (f) DEFINITIONS.—In this section:

23 (1) COMMISSION.—The term “Commission”
24 means the Federal Trade Commission.

1 (2) CONSUMER PRODUCT.—The term “con-
2 sumer product” has the meaning given such term in
3 section 101 of the Magnuson-Moss Warranty—Fed-
4 eral Trade Commission Improvement Act (15 U.S.C.
5 2301) and section 700.1 of title 16, Code of Federal
6 Regulations.

7 (3) HIGH-VOLUME THIRD PARTY SELLER.—

8 (A) IN GENERAL.—The term “high-volume
9 third party seller” means a participant on an
10 online marketplace’s platform who is a third
11 party seller and who, in any continuous 12-
12 month period during the previous 24 months,
13 has entered into 200 or more discrete sales or
14 transactions of new or unused consumer prod-
15 ucts and an aggregate total of \$5,000 or more
16 in gross revenues.

17 (B) CLARIFICATION.—For purposes of cal-
18 culating the number of discrete sales or trans-
19 actions or the aggregate gross revenues under
20 subparagraph (A), an online marketplace shall
21 only be required to count sales or transactions
22 made through the online marketplace and for
23 which payment was processed by the online
24 marketplace, either directly or through its pay-
25 ment processor.

1 (4) ONLINE MARKETPLACE.—The term “online
2 marketplace” means any person or entity that oper-
3 ates a consumer-directed electronically based or
4 accessed platform that—

5 (A) includes features that allow for, facili-
6 tate, or enable third party sellers to engage in
7 the sale, purchase, payment, storage, shipping,
8 or delivery of a consumer product in the United
9 States;

10 (B) is used by one or more third party sell-
11 ers for such purposes; and

12 (C) has a contractual or similar relation-
13 ship with consumers governing their use of the
14 platform to purchase consumer products.

15 (5) SELLER.—The term “seller” means a per-
16 son who sells, offers to sell, or contracts to sell a
17 consumer product through an online marketplace’s
18 platform.

19 (6) THIRD PARTY SELLER.—

20 (A) IN GENERAL.—The term “third party
21 seller” means any seller, independent of an on-
22 line marketplace, who sells, offers to sell, or
23 contracts to sell a consumer product in the
24 United States through such online market-
25 place’s platform.

1 (B) EXCLUSIONS.—The term “third party
2 seller” does not include, with respect to an on-
3 line marketplace—

4 (i) a seller who operates the online
5 marketplace’s platform; or

6 (ii) a business entity that has—

7 (I) made available to the general
8 public the entity’s name, business ad-
9 dress, and working contact informa-
10 tion;

11 (II) an ongoing contractual rela-
12 tionship with the online marketplace
13 to provide the online marketplace with
14 the manufacture, distribution, whole-
15 saling, or fulfillment of shipments of
16 consumer products; and

17 (III) provided to the online mar-
18 ketplace identifying information, as
19 described in subsection (a), that has
20 been verified in accordance with that
21 subsection.

22 (7) VERIFY.—The term “verify” means to con-
23 firm information provided to an online marketplace
24 pursuant to this section, which may include the use
25 of one or more methods that enable the online mar-

1 ketplace to reliably determine that any information
2 and documents provided are valid, corresponding to
3 the seller or an individual acting on the seller's be-
4 half, not misappropriated, and not falsified.

5 (g) RELATIONSHIP TO STATE LAWS.—No State or
6 political subdivision of a State, or territory of the United
7 States, may establish or continue in effect any law, regula-
8 tion, rule, requirement, or standard that conflicts with the
9 requirements of this section.

10 (h) EFFECTIVE DATE.—This section shall take effect
11 180 days after the date of the enactment of this Act.

12 **TITLE III—ENERGY**

13 **SEC. 20301. STRATEGIC TRANSFORMER RESERVE AND RE-** 14 **SILIENCE PROGRAM.**

15 (a) ESTABLISHMENT.—The Secretary shall establish
16 a program to reduce the vulnerability of the electric grid
17 to physical attack, cyber attack, electromagnetic pulse,
18 geomagnetic disturbances, severe weather, climate change,
19 and seismic events, including by—

20 (1) ensuring that large power transformers,
21 generator step-up transformers, power conversion
22 equipment, and other critical electric grid equipment
23 are strategically located to ensure timely replace-
24 ment of such equipment as may be necessary to re-
25 store electric grid function rapidly in the event of se-

1 vere damage to the electric grid due to physical at-
2 tack, cyber attack, electromagnetic pulse, geo-
3 magnetic disturbances, severe weather, climate
4 change, or seismic events; and

5 (2) establishing a coordinated plan to facilitate
6 transportation of large power transformers, gener-
7 ator step-up transformers, power conversion equip-
8 ment, and other critical electric grid equipment.

9 (b) **TRANSFORMER RESILIENCE.**—In carrying out
10 the program established under subsection (a), the Sec-
11 retary shall—

12 (1) improve large power transformers, gener-
13 ator step-up transformers, power conversion equip-
14 ment, and other critical electric grid equipment by
15 reducing their vulnerabilities;

16 (2) develop, test, and deploy innovative equip-
17 ment designs that are more flexible and offer greater
18 resiliency of electric grid functions;

19 (3) coordinate with industry to standardize
20 large power transformers, generator step-up trans-
21 formers, power conversion equipment, and other crit-
22 ical electric grid equipment;

23 (4) monitor and test large power transformers,
24 generator step-up transformers, power conversion
25 equipment, and other critical electric grid equipment

1 that the Secretary determines may pose a risk to the
2 bulk-power system or national security; and

3 (5) facilitate the domestic manufacturing of
4 large power transformers, generator step-up trans-
5 formers, power conversion equipment, and other crit-
6 ical electric grid equipment through the issuance of
7 grants and loans, and through the provision of tech-
8 nical support.

9 (c) STRATEGIC EQUIPMENT RESERVES.—

10 (1) AUTHORIZATION.—In carrying out the pro-
11 gram established under subsection (a), the Secretary
12 may establish one or more federally owned strategic
13 equipment reserves, as appropriate, to ensure na-
14 tionwide access to large power transformers, gener-
15 ator step-up transformers, power conversion equip-
16 ment, and other critical electric grid equipment.

17 (2) CONSIDERATION.—In establishing any fed-
18 erally owned strategic equipment reserve, the Sec-
19 retary may consider existing spare transformer and
20 equipment programs and requirements established
21 by the private sector, Regional Transmission Organi-
22 zations, Independent System Operators, and State
23 regulatory authorities.

24 (d) CONSULTATION.—The program established under
25 subsection (a) shall be carried out in consultation with the

1 Federal Energy Regulatory Commission, the Electricity
2 Subsector Coordinating Council, the Electric Reliability
3 Organization, and owners and operators of critical electric
4 infrastructure and defense and military installations.

5 (e) AUTHORIZATION OF APPROPRIATIONS.—There is
6 authorized to be appropriated to carry out this section
7 \$75,000,000 for each of fiscal years 2022 through 2026.

8 (f) DEFINITIONS.—In this section:

9 (1) BULK-POWER SYSTEM; ELECTRIC RELI-
10 ABILITY ORGANIZATION.—The terms “bulk-power
11 system” and “Electric Reliability Organization”
12 have the meaning given such terms in section 215
13 of the Federal Power Act (16 U.S.C. 824o)).

14 (2) CRITICAL ELECTRIC INFRASTRUCTURE.—
15 The term “critical electric infrastructure” has the
16 meaning given such term in section 215A of the
17 Federal Power Act (16 U.S.C. 824o–1).

18 (3) INDEPENDENT SYSTEM OPERATOR; RE-
19 GIONAL TRANSMISSION ORGANIZATION STATE REGU-
20 LATORY AUTHORITY.—The terms “Regional Trans-
21 mission Organization”, “Independent System Oper-
22 ator”, and “State regulatory authority” have the
23 meaning given such terms in section 3 of the Fed-
24 eral Power Act (16 U.S.C. 796).

1 (4) SECRETARY.—The term “Secretary” means
2 the Secretary of Energy.

3 **SEC. 20302. SOLAR COMPONENT MANUFACTURING SUPPLY**
4 **CHAIN ASSISTANCE.**

5 (a) FINDINGS.—The Congress finds that it is in the
6 interest of the United States—

7 (1) to have a viable solar component manufac-
8 turing supply chain; and

9 (2) to reduce the reliance of United States
10 manufacturers on solar components made in the
11 People’s Republic of China.

12 (b) ESTABLISHMENT.—Not later than 180 days after
13 the date of enactment of this Act, the Secretary shall es-
14 tablish and carry out a program to award grants and di-
15 rect loans to eligible entities to carry out projects in the
16 United States for—

17 (1) the construction of new facilities that manu-
18 facture solar components; and

19 (2) retooling, retrofitting, or expanding existing
20 facilities that manufacture solar components.

21 (c) CONSIDERATIONS.—In awarding grants and di-
22 rect loans under the program, the Secretary shall take into
23 consideration whether a project—

24 (1) is strategically located near manufacturers
25 in the solar component manufacturing supply chain

1 to create a geographic concentration of manufactur-
2 ers in the solar component manufacturing supply
3 chain;

4 (2) has the potential to materially reduce the
5 reliance of United States manufacturers on solar
6 components, including photovoltaic cells and photo-
7 voltaic wafers, made in the People's Republic of
8 China;

9 (3) will provide the potential for both direct and
10 indirect domestic job creation, including jobs for
11 low-income communities, dislocated workers, and
12 workers from groups that are underrepresented in
13 the manufacturing industry; and

14 (4) will result in economic development or eco-
15 nomic diversification in economically distressed re-
16 gions or localities.

17 (d) **ADVANCED SOLAR TECHNOLOGY.**—The Sec-
18 retary may issue a written finding on whether any ad-
19 vanced solar technology has significant potential to reduce
20 the reliance of United States manufacturers on traditional
21 solar components made in the People's Republic of China.

22 (e) **PROHIBITION.**—In carrying out the program, the
23 Secretary may not award grants or direct loans for
24 projects that will source solar components from, or supply
25 their solar components to, facilities that use forced labor.

1 (f) APPLICATION.—To be eligible to receive a grant
2 or direct loan under the program, an eligible entity shall
3 submit to the Secretary an application at such time, in
4 such manner, and containing such information as the Sec-
5 retary may require.

6 (g) DIRECT LOAN CONDITIONS.—A direct loan made
7 under the program shall—

8 (1) bear interest at a rate that does not exceed
9 a level that the Secretary determines appropriate;
10 and

11 (2) be subject to such other terms and condi-
12 tions as the Secretary determines appropriate.

13 (h) COST SHARING FOR GRANTS.—Section 988(c) of
14 the Energy Policy Act of 2005 (42 U.S.C. 16352(c)) shall
15 apply to a grant made under this section.

16 (i) PREVAILING WAGES.—Any laborer or mechanic
17 employed by any contractor or subcontractor in the per-
18 formance of work funded directly, or assisted in whole or
19 in part, by the Federal Government pursuant to this sec-
20 tion shall be paid wages at rates not less than those pre-
21 vailing on work of a similar character in the locality, as
22 determined by the Secretary of Labor under subchapter
23 IV of chapter 31 of title 40, United States Code (com-
24 monly referred to as the Davis-Bacon Act). With respect
25 to the labor standards in this subsection, the Secretary

1 of Labor shall have the authority and functions set forth
2 in Reorganization Plan Numbered 14 of 1950 (64 Stat.
3 1267; 5 U.S.C. App.) and section 3145 of title 40, United
4 States Code.

5 (j) LABOR ORGANIZATION.—

6 (1) IN GENERAL.—Notwithstanding the Na-
7 tional Labor Relations Act (29 U.S.C. 151 et seq.),
8 paragraphs (2) through (5) shall apply with respect
9 to any funding recipient under this section who is an
10 employer and any labor organization who represents
11 employees of such a funding recipient.

12 (2) NEUTRALITY REQUIREMENT.—An employer
13 shall remain neutral with respect to the exercise of
14 employees and labor organizations of the right to or-
15 ganize and bargain under the National Labor Rela-
16 tions Act (29 U.S.C. 151 et seq.).

17 (3) COMMENCEMENT OF COLLECTIVE BAR-
18 GAINING.—Not later than 10 days after receiving a
19 written request for collective bargaining from a labor
20 organization that has been newly recognized or cer-
21 tified as a representative under section 9(a) of the
22 National Labor Relations Act (29 U.S.C. 159(a)), or
23 within such further period as the parties agree upon,
24 the parties shall meet and commence to bargain col-

1 lectively and shall make every reasonable effort to
2 conclude and sign a collective bargaining agreement.

3 (4) MEDIATION AND CONCILIATION FOR FAIL-
4 URE TO REACH A COLLECTIVE BARGAINING AGREE-
5 MENT.—

6 (A) IN GENERAL.—If the parties have
7 failed to reach an agreement before the date
8 that is 90 days after the date on which bar-
9 gaining is commenced under paragraph (3), or
10 any later date agreed upon by both parties, ei-
11 ther party may notify the Federal Mediation
12 and Conciliation Service of the existence of a
13 dispute and request mediation.

14 (B) FEDERAL MEDIATION AND CONCILIA-
15 TION SERVICE.—Whenever a request is received
16 under subparagraph (A), the Director of the
17 Federal Mediation and Conciliation Service
18 shall promptly communicate with the parties
19 and use best efforts, by mediation and concilia-
20 tion, to bring them to agreement.

21 (5) TRIPARTITE ARBITRATION PANEL.—

22 (A) IN GENERAL.—If the Federal Medi-
23 ation and Conciliation Service is not able to
24 bring the parties to agreement by mediation or
25 conciliation before the date that is 30 days after

1 the date on which such mediation or concilia-
2 tion is commenced, or any later date agreed
3 upon by both parties, the Service shall refer the
4 dispute to a tripartite arbitration panel estab-
5 lished in accordance with such regulations as
6 may be prescribed by the Service, with one
7 member selected by the labor organization, one
8 member selected by the employer, and one neu-
9 tral member mutually agreed to by the parties.

10 (B) DISPUTE SETTLEMENT.—A majority
11 of the tripartite arbitration panel shall render a
12 decision settling the dispute and such decision
13 shall be binding upon the parties for a period
14 of two years, unless amended during such pe-
15 riod by written consent of the parties. Such de-
16 cision shall be based on—

17 (i) the employer's financial status and
18 prospects;

19 (ii) the size and type of the employer's
20 operations and business;

21 (iii) the employees' cost of living;

22 (iv) the employees' ability to sustain
23 themselves, their families, and their de-
24 pendents on the wages and benefits they
25 earn from the employer; and

1 (v) the wages and benefits that other
2 employers in the same business provide
3 their employees.

4 (k) COSTS OF DIRECT LOANS.—The Secretary may
5 use any amounts made available under this section to pay
6 the costs of providing direct loans under the program.

7 (l) AUTHORIZATION OF APPROPRIATIONS.—There is
8 authorized to be appropriated to carry out this section
9 \$600,000,000 for each of fiscal years 2022 through 2026.

10 (m) DEFINITIONS.—In this section:

11 (1) ADVANCED SOLAR TECHNOLOGY.—The
12 term “advanced solar technology” means any new or
13 emerging technology, system, or mechanism that
14 uses solar radiation to generate electrical energy,
15 and any component thereof.

16 (2) DIRECT CURRENT OPTIMIZER.—The term
17 “direct current optimizer” means a product which
18 converts direct current electricity from one or more
19 solar modules or advanced solar technologies to a
20 different direct current voltage that is matched to
21 the input requirements of an inverter.

22 (3) DIRECT LOAN.—The term “direct loan”
23 means a disbursement of funds by the Government
24 to a non-Federal borrower under a contract that re-
25 quires the repayment of such funds with or without

1 interest. The term includes the purchase of, or par-
2 ticipation in, a loan made by another lender and fi-
3 nancing arrangements that defer payment for more
4 than 90 days, including the sale of a Government
5 asset on credit terms.

6 (4) ELIGIBLE ENTITY.—The term “eligible enti-
7 ty” means a private entity, including a manufac-
8 turer, or a partnership of private entities.

9 (5) FORCED LABOR.—The term “forced labor”
10 has the meaning given such term in section 307 of
11 the Tariff Act of 1930 (19 U.S.C. 1307).

12 (6) INTEGRATED MODULE.—The term “inte-
13 grated module” means a solar module produced by
14 a single manufacturer through the conversion of a
15 photovoltaic wafer or other semiconductor material
16 into an end product which is—

17 (A) suitable to generate electricity when
18 exposed to sunlight; and

19 (B) ready for installation without addi-
20 tional manufacturing processes.

21 (7) INVERTER.—The term “inverter” means a
22 product which converts direct current electricity
23 from one or more solar modules or advanced solar
24 technologies into alternating current electricity.

1 (8) LABOR ORGANIZATION.—The term “labor
2 organization” has the meaning given the term in
3 section 2 of the National Labor Relations Act (29
4 U.S.C. 152).

5 (9) PARTIES.—The term “parties” means a
6 labor organization that is newly recognized or cer-
7 tified as a representative under section 9(a) of the
8 National Labor Relations Act (29 U.S.C. 159(a))
9 and the employer of the employees represented by
10 such organization.

11 (10) PHOTOVOLTAIC CELL.—The term “photo-
12 voltaic cell” means the smallest semiconductor ele-
13 ment of a solar module which performs the imme-
14 diate conversion of light into electricity.

15 (11) PHOTOVOLTAIC WAFER.—The term “pho-
16 tovoltaic wafer” means a thin slice, sheet, or layer
17 of semiconductor material of at least 240 square
18 centimeters produced by a single manufacturer—

19 (A) either—

20 (i) directly from molten or evaporated
21 solar grade polysilicon or deposition of
22 solar grade thin film semiconductor photon
23 absorber layer; or

1 (ii) through formation of an ingot
2 from molten polysilicon and subsequent
3 slicing; and

4 (B) which comprises the substrate or ab-
5 sorber layer of one or more photovoltaic cells.

6 (12) PROGRAM.—The term “program” means
7 the program established under subsection (b).

8 (13) RACKING.—The term “racking” means a
9 structural steel or aluminum support element, of any
10 cross-section shape and which may be assembled
11 from individually manufactured segments, spanning
12 longitudinally, on which solar modules are sup-
13 ported.

14 (14) SECRETARY.—The term “Secretary”
15 means the Secretary of Energy.

16 (15) SOLAR COMPONENT.—The term “solar
17 component” includes an integrated module, a photo-
18 voltaic cell, a photovoltaic wafer, solar grade
19 polysilicon, a solar module, an inverter, racking, a
20 tracker, a direct current optimizer, and any ad-
21 vanced solar technology for which the Secretary has
22 issued a written finding under subsection (d) that
23 such advanced solar technology has significant po-
24 tential to reduce the reliance of United States manu-

1 facturers on traditional solar components made in
2 the People’s Republic of China.

3 (16) SOLAR GRADE POLYSILICON.—The term
4 “solar grade polysilicon” means silicon which is—

5 (A) suitable for use in photovoltaic manu-
6 facturing; and

7 (B) purified to a minimum purity of
8 99.999999 percent silicon by mass.

9 (17) SOLAR MODULE.—The term “solar mod-
10 ule” means the connection and lamination of photo-
11 voltaic cells into an environmentally protected final
12 assembly which is—

13 (A) suitable to generate electricity when
14 exposed to sunlight; and

15 (B) ready for installation without an addi-
16 tional manufacturing process.

17 (18) TRACKER.—The term “tracker” means—

18 (A) a structural steel support on which
19 solar modules are supported; and

20 (B) the mechanism by which that support
21 is oriented to varying angles with respect to the
22 sun’s position.

23 (19) TRADITIONAL SOLAR COMPONENT.—The
24 term “traditional solar component” means an inte-

1 grated module, a photovoltaic cell, a photovoltaic
2 wafer, solar grade polysilicon, and a solar module.

3 **TITLE IV—MEDICAL PRODUCT**
4 **SUPPLY CHAIN IMPROVEMENTS**
5 **Subtitle A—Medical Product Inno-**
6 **vation, Transparency, and Safe-**
7 **ty**

8 **SEC. 20401. NATIONAL CENTERS OF EXCELLENCE IN AD-**
9 **VANCED AND CONTINUOUS PHARMA-**
10 **CEUTICAL MANUFACTURING.**

11 (a) IN GENERAL.—Section 3016 of the 21st Century
12 Cures Act (21 U.S.C. 399h) is amended to read as follows:

13 **“SEC. 3016. NATIONAL CENTERS OF EXCELLENCE IN AD-**
14 **VANCED AND CONTINUOUS PHARMA-**
15 **CEUTICAL MANUFACTURING.**

16 “(a) IN GENERAL.—The Secretary of Health and
17 Human Services, acting through the Commissioner of
18 Food and Drugs—

19 “(1) shall solicit and, beginning not later than
20 one year after the date of enactment of the America
21 COMPETES Act of 2022, receive requests from in-
22 stitutions of higher education, or consortia of insti-
23 tutions of higher education, to be designated as a
24 National Center of Excellence in Advanced and Con-
25 tinuous Pharmaceutical Manufacturing (in this sec-

1 tion referred to as a ‘National Center of Excellence’
2 to support the advancement, development, and im-
3 plementation of advanced and continuous pharma-
4 ceutical manufacturing; and

5 “(2) shall so designate not more than 5 institu-
6 tions of higher education or consortia of such insti-
7 tutions that—

8 “(A) request such designation; and

9 “(B) meet the criteria specified in sub-
10 section (c).

11 “(b) REQUEST FOR DESIGNATION.—A request for
12 designation under subsection (a) shall be made to the Sec-
13 retary at such time, in such manner, and containing such
14 information as the Secretary may require. Any such re-
15 quest shall include a description of how the institution of
16 higher education, or consortium of institutions of higher
17 education, meets or plans to meet each of the criteria spec-
18 ified in subsection (c).

19 “(c) CRITERIA FOR DESIGNATION DESCRIBED.—The
20 criteria specified in this subsection with respect to an in-
21 stitution of higher education, or consortium of institutions
22 of higher education, are that the institution or consortium
23 has, as of the date of the submission of a request under
24 subsection (a) by such institution or consortium—

1 “(1) physical and technical capacity for re-
2 search, development, implementation, and dem-
3 onstration of advanced and continuous pharma-
4 ceutical manufacturing;

5 “(2) manufacturing knowledge-sharing net-
6 works with other institutions of higher education,
7 large and small pharmaceutical manufacturers, ge-
8 neric and nonprescription manufacturers, contract
9 manufacturers, and other relevant entities;

10 “(3) proven capacity to design, develop, imple-
11 ment, and demonstrate new, highly effective tech-
12 nologies for use in advanced and continuous phar-
13 maceutical manufacturing;

14 “(4) a track record for creating, preserving,
15 and transferring knowledge with respect to advanced
16 and continuous pharmaceutical manufacturing;

17 “(5) the proven ability to facilitate training of
18 an adequate future workforce for research on, and
19 implementation of, advanced and continuous phar-
20 maceutical manufacturing; and

21 “(6) experience in participating in and leading
22 advanced and continuous pharmaceutical manufac-
23 turing technology partnerships with other institu-
24 tions of higher education, large and small pharma-
25 ceutical manufacturers, generic and nonprescription

1 manufacturers, contract manufacturers, and other
2 relevant entities—

3 “(A) to support companies seeking to im-
4 plement advanced and continuous pharma-
5 ceutical manufacturing in the United States;

6 “(B) to support Federal agencies with
7 technical assistance and employee training,
8 which may include regulatory and quality met-
9 ric guidance as applicable, and hands-on train-
10 ing, for advanced and continuous pharma-
11 ceutical manufacturing;

12 “(C) with respect to advanced and contin-
13 uous pharmaceutical manufacturing, to orga-
14 nize and conduct research and development ac-
15 tivities needed to create new and more effective
16 technology, develop and share knowledge, create
17 intellectual property, and maintain technological
18 leadership;

19 “(D) to develop best practices for design-
20 ing and implementing advanced and continuous
21 pharmaceutical manufacturing processes; and

22 “(E) to assess and respond to the national
23 workforce needs for advanced and continuous
24 pharmaceutical manufacturing, including the

1 development and implementing of training pro-
2 grams.

3 “(d) TERMINATION OF DESIGNATION.—The Sec-
4 retary may terminate the designation of any National Cen-
5 ter of Excellence designated under this section if the Sec-
6 retary determines such National Center of Excellence no
7 longer meets the criteria specified in subsection (c). Not
8 later than 90 days before the effective date of such a ter-
9 mination, the Secretary shall provide written notice to the
10 National Center of Excellence, including the rationale for
11 such termination.

12 “(e) CONDITIONS FOR DESIGNATION.—As a condi-
13 tion of designation as a National Center of Excellence
14 under this section, the Secretary shall require that an in-
15 stitution of higher education or consortium of institutions
16 of higher education enter into an agreement with the Sec-
17 retary under which the institution or consortium agrees—

18 “(1) to collaborate directly with the Food and
19 Drug Administration to publish the reports required
20 by subsection (g);

21 “(2) to share data with the Food and Drug Ad-
22 ministration regarding best practices and research
23 generated through the funding under subsection (f);

24 “(3) to develop, along with industry partners
25 (which may include large and small biopharma-

1 ceutical manufacturers, generic and nonprescription
2 manufacturers, and contract research organizations
3 or contract manufacturers that carry out drug devel-
4 opment and manufacturing activities) and another
5 institution or consortium designated under this sec-
6 tion, if any, a roadmap for developing an advanced
7 and continuous pharmaceutical manufacturing work-
8 force;

9 “(4) to develop, along with industry partners
10 and other institutions or consortia of such institu-
11 tions designated under this section, a roadmap for
12 strengthening existing, and developing new, relation-
13 ships with other institutions of higher education or
14 consortia thereof; and

15 “(5) to provide an annual report to the Food
16 and Drug Administration regarding the institution’s
17 or consortium’s activities under this section, includ-
18 ing a description of how the institution or consor-
19 tium continues to meet and make progress on the
20 criteria specified in subsection (e).

21 “(f) FUNDING.—

22 “(1) IN GENERAL.—The Secretary shall award
23 funding, through grants, contracts, or cooperative
24 agreements, to the National Centers of Excellence
25 designated under this section for the purpose of

1 studying and recommending improvements to ad-
2 vanced and continuous pharmaceutical manufac-
3 turing, including such improvements as may enable
4 the Centers—

5 “(A) to continue to meet the conditions
6 specified in subsection (e);

7 “(B) to expand capacity for research on,
8 and development of, advanced and continuous
9 pharmaceutical manufacturing; and

10 “(C) to implement research infrastructure
11 in advanced and continuous pharmaceutical
12 manufacturing suitable for accelerating the de-
13 velopment of drug products needed to respond
14 to emerging medical threats, such as emerging
15 drug shortages, quality issues disrupting the
16 supply chain, epidemics and pandemics, and
17 other such situations requiring the rapid devel-
18 opment of new products or new manufacturing
19 processes.

20 “(2) CONSISTENCY WITH FDA MISSION.—As a
21 condition on receipt of funding under this sub-
22 section, a National Center of Excellence shall agree
23 to consider any input from the Secretary regarding
24 the use of funding that would—

1 “(A) help to further the advancement of
2 advanced and continuous pharmaceutical manu-
3 facturing through the National Center of Excel-
4 lence; and

5 “(B) be relevant to the mission of the
6 Food and Drug Administration.

7 “(3) RULE OF CONSTRUCTION.—Nothing in
8 this section shall be construed as precluding a Na-
9 tional Center for Excellence designated under this
10 section from receiving funds under any other provi-
11 sion of this Act or any other Federal law.

12 “(g) ANNUAL REVIEW AND REPORTS.—

13 “(1) ANNUAL REPORT.—Beginning not later
14 than one year after the date on which the first des-
15 ignation is made under subsection (a), and annually
16 thereafter, the Secretary shall—

17 “(A) submit to Congress a report describ-
18 ing the activities, partnerships and collabora-
19 tions, Federal policy recommendations, previous
20 and continuing funding, and findings of, and
21 any other applicable information from, the Na-
22 tional Centers of Excellence designated under
23 this section;

24 “(B) include in such report an accounting
25 of the Federal administrative expenses de-

1 scribed in subsection (i)(2) over the reporting
2 period; and

3 “(C) make such report available to the
4 public in an easily accessible electronic format
5 on the website of the Food and Drug Adminis-
6 tration.

7 “(2) REVIEW OF NATIONAL CENTERS OF EX-
8 CELLENCE AND POTENTIAL DESIGNEES.—The Sec-
9 retary shall periodically review the National Centers
10 of Excellence designated under this section to ensure
11 that such National Centers of Excellence continue to
12 meet the criteria for designation under this section.

13 “(3) REPORT ON LONG-TERM VISION OF FDA
14 ROLE.—Not later than 2 years after the date on
15 which the first designation is made under subsection
16 (a), the Secretary, in consultation with the National
17 Centers of Excellence designated under this section,
18 shall submit a report to the Congress on the long-
19 term vision of the Department of Health and
20 Human Services on the role of the Food and Drug
21 Administration in supporting advanced and contin-
22 uous pharmaceutical manufacturing, including—

23 “(A) a national framework of principles re-
24 lated to the implementation and regulation of

1 advanced and continuous pharmaceutical manu-
2 facturing;

3 “(B) a plan for the development of Federal
4 regulations and guidance for how advanced and
5 continuous pharmaceutical manufacturing can
6 be incorporated into the development of phar-
7 maceuticals and regulatory responsibilities of
8 the Food and Drug Administration;

9 “(C) a plan for development of Federal
10 regulations or guidance for how advanced and
11 continuous pharmaceutical manufacturing will
12 be reviewed by the Food and Drug Administra-
13 tion; and

14 “(D) appropriate feedback solicited from
15 the public, which may include other institutions
16 of higher education, large and small biopharma-
17 ceutical manufacturers, generic and non-
18 prescription manufacturers, and contract manu-
19 facturers.

20 “(h) DEFINITIONS.—In this section:

21 “(1) ADVANCED.—The term ‘advanced’, with
22 respect to pharmaceutical manufacturing, refers to
23 an approach that incorporates novel technology, or
24 uses an established technique or technology in a new

1 or innovative way, that enhances drug quality or im-
2 proves the performance of a manufacturing process.

3 “(2) CONTINUOUS.—The term ‘continuous’,
4 with respect to pharmaceutical manufacturing, re-
5 fers to a process—

6 “(A) where the input materials are con-
7 tinuously fed into and transformed within the
8 process, and the processed output materials are
9 continuously removed from the system; and

10 “(B) that consists of an integrated process
11 that consists of a series of two or more simulta-
12 neous unit operations.

13 “(3) INSTITUTION OF HIGHER EDUCATION.—
14 The term ‘institution of higher education’ has the
15 meaning given such term in section 101(a) of the
16 Higher Education Act of 1965 (20 U.S.C. 1001(a)).

17 “(4) SECRETARY.—The term ‘Secretary’ means
18 the Secretary of Health and Human Services, acting
19 through the Commissioner of Food and Drugs.

20 “(i) AUTHORIZATION OF APPROPRIATIONS.—

21 “(1) IN GENERAL.—There is authorized to be
22 appropriated to carry out this section \$100,000,000
23 for the period of fiscal years 2022 through 2026.

24 “(2) FEDERAL ADMINISTRATIVE EXPENSES.—
25 Of the amounts made available to carry out this sec-

1 tion for a fiscal year, the Secretary shall not use
2 more than eight percent for Federal administrative
3 expenses, including training, technical assistance, re-
4 porting, and evaluation.”.

5 (b) **TRANSITION RULE.**—Section 3016 of the 21st
6 Century Cures Act (21 U.S.C. 399h), as in effect on the
7 day before the date of the enactment of this section, shall
8 apply with respect to grants awarded under such section
9 before such date of enactment.

10 (c) **CLERICAL AMENDMENT.**—The item relating to
11 section 3016 in the table of contents in section 1(b) of
12 the 21st Century Cures Act (Public Law 114–255) is
13 amended to read as follows:

“Sec. 3016. National Centers of Excellence in Advanced and Continuous Phar-
maceutical Manufacturing.”.

14 **SEC. 20402. NOTIFICATION, NONDISTRIBUTION, AND RE-**
15 **CALL OF DRUGS.**

16 (a) **ORDER TO CEASE DISTRIBUTION AND RECALL.**—
17 Section 569D of the Federal Food, Drug, and Cosmetic
18 Act (21 U.S.C. 360bbb–8d) is amended—

19 (1) in the section heading, by striking “**CON-**
20 **TROLLED SUBSTANCES**” and inserting “**DRUGS**”;

21 (2) by striking “controlled substance” each
22 place such term appears and inserting “drug”;

23 (3) in subsection (b)—

1 (A) by striking “controlled substances”
2 and inserting “drugs”; and

3 (B) by inserting “of subsection (a)” after
4 “an order pursuant to paragraph (1) or an
5 amended order pursuant to subparagraph (B)
6 or (C) of paragraph (3)”; and

7 (4) in subsection (c), by striking “or an official
8 senior to such Director” and inserting “or the Direc-
9 tor of the Center for Biologies Evaluation and Re-
10 search (or an official senior to either such Direc-
11 tor)”.

12 (b) IMPORTS AND EXPORTS.—Section 801(a) of the
13 Federal Food, Drug, and Cosmetic Act (21 U.S.C. 381(a))
14 is amended by striking “is a controlled substance subject
15 to an order under section 569D” and inserting “is a drug
16 subject to an order under section 569D”.

17 **SEC. 20403. REPORTING REQUIREMENT FOR DRUG MANU-
18 FACTURERS.**

19 (a) ESTABLISHMENTS IN A FOREIGN COUNTRY.—
20 Section 510(i) of the Federal Food, Drug, and Cosmetic
21 Act (21 U.S.C. 360(i)) is amended by inserting at the end
22 the following:

23 “(5) The requirements of paragraphs (1) and (2)
24 shall apply to establishments within a foreign country en-
25 gaged in the manufacture, preparation, propagation,

1 compounding, or processing of any drug, including the ac-
2 tive pharmaceutical ingredient, that is required to be listed
3 pursuant to subsection (j). Such requirements shall apply
4 regardless of whether the drug or active pharmaceutical
5 ingredient undergoes further manufacture, preparation,
6 propagation, compounding, or processing at a separate es-
7 tablishment or establishments outside the United States
8 prior to being imported or offered for import into the
9 United States.”.

10 (b) LISTING OF DRUGS.—Section 510(j)(1) of the
11 Federal Food, Drug, and Cosmetic Act (21 U.S.C.
12 360(j)(1)) is amended—

13 (1) in subparagraph (D), by striking “and” at
14 the end;

15 (2) in subparagraph (E), by striking the period
16 at the end and inserting “; and”; and

17 (3) by adding at the end the following:

18 “(F) in the case of a drug contained in the ap-
19 plicable list, a certification that the registrant has—

20 “(i) identified every other establishment
21 where manufacturing is performed for the drug;
22 and

23 “(ii) notified each known foreign establish-
24 ment engaged in the manufacture, preparation,
25 propagation, compounding, or processing of the

1 drug, including the active pharmaceutical ingre-
2 dient, of the inclusion of the drug in the list
3 and the obligation to register.”.

4 (c) QUARTERLY REPORTING ON AMOUNT OF DRUGS
5 MANUFACTURED.—Section 510(j)(3)(A) of the Federal
6 Food, Drug, and Cosmetic Act (as added by section 3112
7 of the CARES Act (Public Law 116–136)) is amended
8 by striking “annually” and inserting “once during the
9 month of March of each year, once during the month of
10 June of each year, once during the month of September
11 of each year, and once during the month of December of
12 each year”.

13 **SEC. 20404. ENHANCED PENALTIES FOR FALSE INFORMA-**
14 **TION AND RECORDS DESTRUCTION.**

15 (a) PROHIBITION OF FALSE INFORMATION AND
16 RECORD DESTRUCTION.—Section 301 of the Federal
17 Food, Drug, and Cosmetic Act (21 U.S.C. 331) is amend-
18 ed by adding at the end the following:

19 “(fff) The alteration, falsification, fabrication, de-
20 struction, omission, or removal of the whole or any part
21 of records or information that is—

22 “(1) required under this Act—

23 “(A) to be produced during the develop-
24 ment or manufacture of a drug; or

1 “(B) to be produced or maintained by the
2 sponsor of an application for the approval of a
3 drug under section 505 or the holder of an ap-
4 proved application for a drug under section
5 505; or

6 “(2) subject to inspection under this Act by the
7 Secretary.”.

8 (b) PENALTIES.—Section 303 of the Federal Food,
9 Drug, and Cosmetic Act (21 U.S.C. 333) is amended by
10 adding at the end the following:

11 “(h) Notwithstanding subsection (a), any person who
12 violates section 301(fff) shall be subject to—

13 “(1) a civil monetary penalty not to exceed—

14 “(A) \$1,000,000 per violation; and

15 “(B) \$10,000,000 for all violations (ex-
16 cluding those described in paragraph (2)) adju-
17 dicated in a single proceeding; and

18 “(2) in the case of a violation that continues
19 after the Secretary provides written notice to such
20 person, if such person does not sufficiently remedy
21 the violation, including by producing corrected
22 records or information, additional civil penalties not
23 to exceed—

24 “(A) \$1,000,000 for the first 30-day pe-
25 riod (or any portion thereof) following such no-

1 tice during which such person continues to be
2 in violation;

3 “(B) for each such 30-day period there-
4 after, the amount that is double the amount ac-
5 tually imposed for the preceding 30-day period,
6 not to exceed \$2,000,000 for any 30-day period;
7 and

8 “(C) \$20,000,000 for all violations de-
9 scribed in this paragraph adjudicated in a sin-
10 gle proceeding.”.

11 **Subtitle B—Strengthening Amer-**
12 **ica’s Strategic National Stock-**
13 **pile**

14 **SEC. 20411. REIMBURSABLE TRANSFERS.**

15 Section 319F–2(a) of the Public Health Service Act
16 (42 U.S.C. 247d–6b(a)) is amended by amending para-
17 graph (6) to read as follows:

18 “(6) TRANSFERS AND REIMBURSEMENTS.—

19 “(A) IN GENERAL.—Without regard to
20 chapter 5 of title 40, United States Code, the
21 Secretary may transfer to any Federal depart-
22 ment or agency, on a reimbursable basis, any
23 drugs, vaccines and other biological products,
24 medical devices, and other supplies in the stock-
25 pile if—

1 “(i) the transferred supplies are less
2 than one year from expiry;

3 “(ii) the stockpile is able to replenish
4 the supplies, as appropriate; and

5 “(iii) the Secretary decides the trans-
6 fer is in the best interest of the United
7 States Government.

8 “(B) USE OF REIMBURSEMENT.—Reim-
9 bursement derived from the transfer of supplies
10 pursuant to subparagraph (A) may, to the ex-
11 tent and in the amounts made available in ad-
12 vance in appropriations Acts, be used by the
13 Secretary to carry out this section. Funds made
14 available pursuant to the preceding sentence are
15 in addition to any other funds that may be
16 made available for such purpose.

17 “(C) RULE OF CONSTRUCTION.—This
18 paragraph shall not be construed to preclude
19 transfers of products in the stockpile under
20 other authorities.

21 “(D) REPORT.—Not later than September
22 30, 2023, the Secretary shall submit to the
23 Committee on Energy and Commerce of the
24 House of Representatives and the Committee
25 on Health, Education, Labor, and Pensions of

1 the Senate a report on each transfer made
2 under this paragraph and the amount received
3 by the Secretary in exchange for that transfer.

4 “(E) SUNSET.—The authority to make
5 transfers under this paragraph shall cease to be
6 effective on September 30, 2024.”.

7 **SEC. 20412. EQUIPMENT MAINTENANCE.**

8 Section 319F–2 of the Public Health Service Act (42
9 U.S.C. 247d–6b) is amended—

10 (1) in subsection (a)(3)—

11 (A) in subparagraph (I), by striking “;
12 and” and inserting a semicolon;

13 (B) in subparagraph (J), by striking the
14 period at the end and inserting a semicolon;
15 and

16 (C) by inserting the following new subpara-
17 graph at the end:

18 “(K) ensure contents of the stockpile re-
19 main in good working order and, as appro-
20 priate, conduct maintenance services on con-
21 tents of the stockpile; and”; and

22 (2) in subsection (c)(7)(B), by adding at the
23 end the following new clause:

24 “(ix) EQUIPMENT MAINTENANCE
25 SERVICE.—In carrying out this section, the

1 Secretary may enter into contracts for the
2 procurement of equipment maintenance
3 services.”.

4 **SEC. 20413. SUPPLY CHAIN FLEXIBILITY MANUFACTURING**
5 **PILOT.**

6 (a) IN GENERAL.—Section 319F–2(a)(3) of the Pub-
7 lic Health Service Act (42 U.S.C. 247d–6b(a)(3)), as
8 amended by section 20412, is further amended by adding
9 at the end the following new subparagraph:

10 “(L) enhance medical supply chain elas-
11 ticity and establish and maintain domestic re-
12 serves of critical medical supplies (including
13 personal protective equipment, ancillary medical
14 supplies, and other applicable supplies required
15 for the administration of drugs, vaccines and
16 other biological products, and other medical de-
17 vices (including diagnostic tests)) by—

18 “(i) increasing emergency stock of
19 critical medical supplies;

20 “(ii) geographically diversifying do-
21 mestic production of such medical supplies,
22 as appropriate;

23 “(iii) entering into cooperative agree-
24 ments or partnerships with respect to man-
25 ufacturing lines, facilities, and equipment

1 for the domestic production of such med-
2 ical supplies; and

3 “(iv) managing, either directly or
4 through cooperative agreements with man-
5 ufacturers and distributors, domestic re-
6 serves established under this subparagraph
7 by refreshing and replenishing stock of
8 such medical supplies.”.

9 (b) REPORTING; SUNSET.—Section 319F–2(a) of the
10 Public Health Service Act (42 U.S.C. 247d–6b(a)), as
11 amended by section 20411, is further amended by adding
12 at the end the following:

13 “(7) REPORTING.—Not later than September
14 30, 2023, the Secretary shall submit to the Com-
15 mittee on Energy and Commerce of the House of
16 Representatives and the Committee on Health, Edu-
17 cation, Labor and Pensions of the Senate a report
18 on the details of each cooperative agreement or part-
19 nership entered into under paragraph (3)(L), includ-
20 ing the amount expended by the Secretary on each
21 such cooperative agreement or partnership.

22 “(8) SUNSET.—The authority to enter into co-
23 operative agreements or partnerships pursuant to
24 paragraph (3)(L) shall cease to be effective on Sep-
25 tember 30, 2024.”.

1 (c) FUNDING.—Section 319F–2(f) of the Public
2 Health Service Act (42 U.S.C. 247d–6b(f)) is amended by
3 adding at the end the following:

4 “(3) SUPPLY CHAIN ELASTICITY.—

5 “(A) IN GENERAL.—For the purpose of
6 carrying out subsection (a)(3)(L), there is au-
7 thorized to be appropriated \$500,000,000 for
8 each of fiscal years 2022 through 2024, to re-
9 main available until expended.

10 “(B) RELATION TO OTHER AMOUNTS.—
11 The amount authorized to be appropriated by
12 subparagraph (A) for the purpose of carrying
13 out subsection (a)(3)(L) is in addition to any
14 other amounts available for such purpose.”.

15 **SEC. 20414. GAO STUDY ON THE FEASIBILITY AND BENE-**
16 **FITS OF A USER FEE AGREEMENT.**

17 (a) IN GENERAL.—The Comptroller General of the
18 United States shall conduct a study to investigate the fea-
19 sibility of establishing user fees to offset certain Federal
20 costs attributable to the procurement of single-source ma-
21 terials for the Strategic National Stockpile under section
22 319F–2 of the Public Health Service Act (42 U.S.C.
23 247d–6b) and distributions of such materials from the
24 Stockpile. In conducting this study, the Comptroller Gen-
25 eral shall consider, to the extent information is available—

1 (1) whether entities receiving such distributions
2 generate profits from those distributions;

3 (2) any Federal costs attributable to such dis-
4 tributions;

5 (3) whether such user fees would provide the
6 Secretary with funding to potentially offset procure-
7 ment costs of such materials for the Strategic Na-
8 tional Stockpile; and

9 (4) any other issues the Comptroller General
10 identifies as relevant.

11 (b) REPORT.—Not later than February 1, 2024, the
12 Comptroller General of the United States shall submit to
13 the Congress a report on the findings and conclusions of
14 the study under subsection (a).

15 **SEC. 20415. GRANTS FOR STATE STRATEGIC STOCKPILES.**

16 Title III of the Public Health Service Act is amended
17 by inserting after section 319F–4 of such Act (42 U.S.C.
18 247d–6e) the following new section:

19 **“SEC. 319F-5. GRANTS FOR STATE STRATEGIC STOCKPILES.**

20 “(a) IN GENERAL.—The Secretary may establish a
21 pilot program consisting of awarding grants to States to
22 expand or maintain a strategic stockpile of commercially
23 available drugs, devices, personal protective equipment,
24 and other products deemed by the State to be essential
25 in the event of a public health emergency.

1 “(b) ALLOWABLE USE OF FUNDS.—

2 “(1) USES.—A State receiving a grant under
3 this section may use the grant funds to—

4 “(A) acquire commercially available prod-
5 ucts listed pursuant to paragraph (2) for inclu-
6 sion in the State’s strategic stockpile;

7 “(B) store, maintain, and distribute prod-
8 ucts in such stockpile; and

9 “(C) conduct planning in connection with
10 such activities.

11 “(2) LIST.—The Secretary shall develop and
12 publish a list of the products that are eligible, as de-
13 scribed in subsection (a), for inclusion in a State’s
14 strategic stockpile using funds received under this
15 section.

16 “(3) CONSULTATION.—In developing the list
17 under paragraph (2) and otherwise determining the
18 allowable uses of grant funds under this section, the
19 Secretary shall consult with States and relevant
20 stakeholders, including public health organizations.

21 “(c) FUNDING REQUIREMENT.—The Secretary may
22 not obligate or expend any funds to award grants or fund
23 any previously awarded grants under this section for a fis-
24 cal year unless the total amount made available to carry
25 out section 319F–2 for such fiscal year is equal to or

1 greater than the total amount of funds made available to
2 carry out section 319F–2 for fiscal year 2022.

3 “(d) MATCHING FUNDS.—

4 “(1) IN GENERAL.—With respect to the costs of
5 expanding and maintaining a strategic stockpile
6 through a grant under this section, as a condition on
7 receipt of the grant, a State shall make available (di-
8 rectly) non-Federal contributions in cash toward
9 such costs in an amount that is equal to not less
10 than the amount of Federal funds provided through
11 the grant.

12 “(2) WAIVER.—The Secretary may waive the
13 requirement of paragraph (1) with respect to a State
14 for the first two years of the State receiving a grant
15 under this section if the Secretary determines that
16 such waiver is needed for the State to establish a
17 strategic stockpile described in subsection (a).

18 “(e) TECHNICAL ASSISTANCE.—The Secretary shall
19 provide technical assistance to States in establishing, ex-
20 panding, and maintaining a stockpile described in sub-
21 section (a).

22 “(f) DEFINITION.—In this section, the term ‘drug’
23 has the meaning given to that term in section 201 of the
24 Federal Food, Drug, and Cosmetic Act.

1 “(g) AUTHORIZATION OF APPROPRIATIONS.—To
2 carry out this section, there is authorized to be appro-
3 priated \$3,500,000,000 for each of fiscal years 2022
4 through 2024, to remain available until expended.

5 “(h) SUNSET.—The authority vested by this section
6 terminates at the end of fiscal year 2024.”.

7 **SEC. 20416. ACTION REPORTING.**

8 (a) IN GENERAL.—The Secretary of Health and
9 Human Services or the Assistant Secretary for Prepared-
10 ness and Response, in consultation with the Administrator
11 of the Federal Emergency Management Agency, shall—

12 (1) not later than 30 days after the date of en-
13 actment of this Act, issue a report to the Committee
14 on Energy and Commerce of the House of Rep-
15 resentatives and the Committee on Health, Edu-
16 cation, Labor, and Pensions of the Senate regarding
17 all State, local, Tribal, and territorial requests for
18 supplies from the Strategic National Stockpile re-
19 lated to COVID–19; and

20 (2) not less than every 30 days thereafter
21 through the end of the emergency period (as such
22 term is defined in section 1135(g)(1)(B) of the So-
23 cial Security Act (42 U.S.C. 1320b–5(g)(1)(B))),
24 submit to such committees an updated version of
25 such report.

1 (b) REPORTING PERIOD.—

2 (1) INITIAL REPORT.—The initial report under
3 subsection (a) shall address all requests described in
4 such subsection made during the period—

5 (A) beginning on January 31, 2020; and

6 (B) ending on the date that is 30 days be-
7 fore the date of submission of the report.

8 (2) UPDATES.—Each update to the report
9 under subsection (a) shall address all requests de-
10 scribed in such subsection made during the period—

11 (A) beginning at the end of the previous
12 reporting period under this section; and

13 (B) ending on the date that is 30 days be-
14 fore the date of submission of the updated re-
15 port.

16 (c) CONTENTS OF REPORT.—The report under sub-
17 section (a) (and updates thereto) shall include—

18 (1) the details of each request described in such
19 subsection, including—

20 (A) the specific medical countermeasures,
21 devices, personal protective equipment, and
22 other materials requested; and

23 (B) the amount of such materials re-
24 quested; and

1 (2) the outcomes of each request described in
2 subsection (a), including—

3 (A) whether the request was wholly ful-
4 filled, partially fulfilled, or denied;

5 (B) if the request was wholly or partially
6 fulfilled, the fulfillment amount; and

7 (C) if the request was partially fulfilled or
8 denied, a rationale for such outcome.

9 **SEC. 20417. IMPROVED, TRANSPARENT PROCESSES.**

10 (a) **IN GENERAL.**—Not later than January 1, 2023,
11 the Secretary of Health and Human Services shall develop
12 and implement improved, transparent processes for the
13 use and distribution of drugs, vaccines and other biological
14 products, medical devices, and other supplies (including
15 personal protective equipment, ancillary medical supplies,
16 and other applicable supplies required for the administra-
17 tion of drugs, vaccines and other biological products, med-
18 ical devices, and diagnostic tests) in the Strategic National
19 Stockpile under section 319F–2 of the Public Health Serv-
20 ice Act (42 U.S.C. 247d–6b) (in this section referred to
21 as the “Stockpile”).

22 (b) **PROCESSES.**—The processes developed under
23 subsection (a) shall include—

1 (1) the form and manner in which States, local-
2 ities, Tribes, and territories are required to submit
3 requests for supplies from the Stockpile;

4 (2) the criteria used by the Secretary of Health
5 and Human Services in responding to such requests,
6 including the reasons for fulfilling or denying such
7 requests;

8 (3) what circumstances result in prioritization
9 of distribution of supplies from the Stockpile to
10 States, localities, Tribes, or territories;

11 (4) clear plans for future, urgent communica-
12 tion between the Secretary and States, localities,
13 Tribes, and territories regarding the outcome of
14 such requests; and

15 (5) any differences in the processes developed
16 under subsection (a) for geographically related emer-
17 gencies, such as weather events, and national emer-
18 gencies, such as pandemics.

19 (c) CLASSIFICATION.—The processes developed under
20 subsection (a) shall be unclassified to the greatest extent
21 possible consistent with national security. The Secretary
22 of Health and Human Services may classify portions of
23 such processes as necessary to protect national security.

1 (d) REPORT TO CONGRESS.—Not later than January
2 1, 2024, the Secretary of Health and Human Services
3 shall—

4 (1) submit a report to the Committee on En-
5 ergy and Commerce of the House of Representatives
6 and the Committee on Health, Education, Labor,
7 and Pensions of the Senate regarding the improved,
8 transparent processes developed under this section;

9 (2) include in such report recommendations for
10 opportunities for communication (by telebriefing,
11 phone calls, or in-person meetings) between the Sec-
12 retary and States, localities, Tribes, and territories
13 regarding such improved, transparent processes; and

14 (3) submit such report in unclassified form to
15 the greatest extent possible, except that the Sec-
16 retary may include a classified appendix if necessary
17 to protect national security.

18 **SEC. 20418. AUTHORIZATION OF APPROPRIATIONS.**

19 Section 319F–2(f)(1) of the Public Health Service
20 Act (42 U.S.C. 247d–6b(f)(1)) is amended by striking
21 “\$610,000,000 for each of fiscal years 2019 through
22 2023” and inserting “\$705,000,000 for each of fiscal
23 years 2022 through 2024”.

1 **DIVISION D—COMMITTEE ON**
2 **FOREIGN AFFAIRS**

3 **SEC. 30000. SHORT TITLE.**

4 (a) **SHORT TITLE.**—This division may be cited as the
5 “Ensuring American Global Leadership and Engagement
6 Act” or the “**EAGLE Act**”.

7 **SEC. 30001. DEFINITIONS.**

8 In this division:

9 (1) **APPROPRIATE CONGRESSIONAL COMMIT-**
10 **TEES.**—Unless otherwise defined, the term “appro-
11 appropriate congressional committees” means—

12 (A) the Committee on Foreign Affairs of
13 the House of Representatives; and

14 (B) the Committee on Foreign Relations of
15 the Senate.

16 (2) **CCP.**—The term “**CCP**” means the Chinese
17 Communist Party.

18 (3) **PEOPLE’S LIBERATION ARMY; PLA.**—The
19 terms “**People’s Liberation Army**” and “**PLA**” mean
20 the armed forces of the People’s Republic of China.

21 (4) **PRC; CHINA.**—The terms “**PRC**” and
22 “**China**” mean the People’s Republic of China.

23 **SEC. 30002. FINDINGS.**

24 Congress makes the following findings:

1 (1) The People’s Republic of China (PRC) is
2 leveraging its political, diplomatic, economic, mili-
3 tary, technological, and ideological power to become
4 a strategic, near-peer, global competitor of the
5 United States. The policies increasingly pursued by
6 the PRC in these domains are contrary to the inter-
7 ests and values of the United States, its partners,
8 and much of the rest of the world.

9 (2) A number of policies being pursued by the
10 PRC—

11 (A) threaten the future character of the
12 international order and are shaping the rules,
13 norms, and institutions that govern relations
14 among states;

15 (B) will put at risk the ability of the
16 United States to secure its national interests;
17 and

18 (C) will put at risk the future peace, pros-
19 perity, and freedom of the international commu-
20 nity in the coming decades.

21 (3) After normalizing diplomatic relations with
22 the PRC in 1979, the United States actively worked
23 to advance the PRC’s economic and social develop-
24 ment to ensure that it participated in, and benefited
25 from, the free and open international order. The

1 United States pursued these goals and contributed
2 to the welfare of the Chinese people by—

3 (A) increasing the PRC's access to global
4 capital markets;

5 (B) promoting the PRC's accession to the
6 World Trade Organization;

7 (C) providing development finance and
8 technical assistance;

9 (D) promoting research collaboration;

10 (E) educating the PRC's top students;

11 (F) permitting transfers of cutting-edge
12 technologies and scientific knowledge; and

13 (G) providing intelligence and military as-
14 sistance.

15 (4) It is now clear that the PRC has chosen to
16 pursue state-led, mercantilist economic policies, an
17 increasingly authoritarian governance model at home
18 through increased restrictions on personal freedoms,
19 and an aggressive and assertive foreign policy. These
20 policies frequently and deliberately undermine
21 United States interests and are contrary to core
22 United States values and the values of other nations,
23 both in the Indo-Pacific and beyond. In response to
24 this strategic decision of the CCP, the United States
25 has been compelled to reexamine and revise its strat-

1 egy towards the PRC and reanimate its defense of
2 the international order.

3 (5) The General Secretary of the CCP and the
4 Chairman of the People’s Republic of China, Xi
5 Jinping, has elevated the “Great Rejuvenation of the
6 Chinese Nation” as central to the domestic and for-
7 eign policy of the PRC. His program demands—

8 (A) strong, centralized CCP leadership;

9 (B) concentration of military power;

10 (C) a dominant role for the CCP in the
11 state and the economy;

12 (D) an aggressive foreign policy seeking
13 control over broadly asserted territorial claims;
14 and

15 (E) the denial of any universal values and
16 individual rights that are deemed to threaten
17 the CCP.

18 (6) The PRC views its Leninist model of gov-
19 ernance as superior to, and at odds with, the con-
20 stitutional models of the United States and other de-
21 mocracies. This approach to governance is lauded by
22 the CCP as essential to securing the PRC’s status
23 as a global leader, and to shaping the future of the
24 world. In a 2013 speech, General Secretary Xi said,
25 “‘We firmly believe that as socialism with Chinese

1 characteristics develops further . . . it is . . . inevi-
2 table that the superiority of our socialist system will
3 be increasingly apparent . . . [and] our country’s
4 road of development will have increasingly greater
5 influence on the world.”.

6 (7) The PRC’s objectives are to first establish
7 regional hegemony over the Indo-Pacific and then to
8 use that dominant position to propel the PRC to be-
9 come the “leading world power”, shaping an inter-
10 national order that is conducive to its interests.
11 Achieving these objectives requires turning the PRC
12 into a wealthy nation under strict CCP rule by using
13 a strong military and advanced technological capa-
14 bility to pursue the PRC’s objectives, regardless of
15 other countries’ interests.

16 (8) The PRC is reshaping the current inter-
17 national order, which is built upon the rule of law
18 and free and open ideals and principles, by con-
19 ducting global information and influence operations,
20 seeking to redefine international laws and norms to
21 align with the objectives of the CCP, rejecting the
22 legitimacy of internationally recognized human
23 rights, and seeking to co-opt the leadership and
24 agenda of multinational organizations for the benefit
25 of the PRC and other authoritarian regimes at the

1 expense of the interests of the United States and the
2 international community.

3 (9) The PRC is encouraging other countries to
4 follow its model of development and governance.
5 During the 19th Party Congress in 2017, General
6 Secretary Xi said that the PRC could serve as a
7 model of development for other countries by utilizing
8 “Chinese wisdom” and a “Chinese approach to solv-
9 ing problems”.

10 (10) The PRC is promoting its governance
11 model and attempting to weaken other models of
12 governance by—

- 13 (A) undermining democratic institutions;
14 (B) subverting financial institutions;
15 (C) coercing businesses to accommodate
16 the policies of the PRC; and
17 (D) using disinformation to disguise the
18 nature of the actions described in subpara-
19 graphs (A) through (C).

20 (11) The PRC is progressing toward becoming
21 the global leader in science and technology. In May
22 2018, General Secretary Xi said that for the PRC
23 to reach “prosperity and rejuvenation”, it needs to
24 “endeavor to be a major world center for science and
25 innovation”. The PRC has invested the equivalent of

1 billions of dollars into education and research and
2 development and established joint scientific research
3 centers and science universities.

4 (12) The PRC's drive to become a "manufac-
5 turing and technological superpower" and to pro-
6 mote "innovation with Chinese characteristics" is
7 coming at the expense of human rights and long-
8 standing international rules and norms with respect
9 to economic competition, and presents a challenge to
10 United States national security and the security of
11 allies and like-minded countries. In particular, the
12 PRC advances its illiberal political and social policies
13 through mass surveillance, social credit systems, and
14 a significant role of the state in internet governance.
15 Through these means, the PRC increases direct and
16 indirect government control over its citizens' every-
17 day lives. Its national strategy of "civil-military fu-
18 sion" mandates that civil and commercial research,
19 which increasingly drives global innovation, is lever-
20 aged to develop new military capabilities.

21 (13) The PRC is using legal and illegal means
22 to achieve its objective of becoming a manufacturing
23 and technological superpower. The PRC uses state-
24 directed industrial policies in anticompetitive ways to
25 ensure the dominance of PRC companies. The CCP

1 engages in and encourages actions that actively un-
2 dermine a free and open international market, such
3 as intellectual property theft, forced technology
4 transfers, regulatory and financial subsidies, and
5 mandatory CCP access to proprietary data as part
6 of business and commercial agreements between Chi-
7 nese and foreign companies.

8 (14) The policies referred to in paragraph (13)
9 are designed to freeze United States and other for-
10 eign firms out of the PRC market, while eroding
11 competition in other important markets. The heavy
12 subsidization of Chinese companies includes poten-
13 tial violation of its World Trade Organization com-
14 mitments. In May 2018, General Secretary Xi said
15 that the PRC aims to keep the “initiatives of inno-
16 vation and development security . . . in [China’s]
17 own hands”.

18 (15) The PRC is advancing its global objectives
19 through a variety of avenues, including its signature
20 initiative, the Belt and Road Initiative (referred to
21 in this subsection as “BRI”), which is enshrined in
22 the Chinese Constitution and includes the Digital
23 Silk Road and Health Silk Road. The PRC describes
24 BRI as a straightforward and wholly beneficial plan
25 for all countries. Eventually, it seeks to create a web

1 of economic relations with the PRC at its center,
2 making it the most concrete geographical represen-
3 tation of the PRC's global ambitions. BRI increases
4 the economic influence of state-owned PRC firms in
5 global markets, enhances the PRC's political lever-
6 age with government leaders around the world, and
7 provides greater access to strategic nodes such as
8 ports and railways. Through BRI, the PRC seeks
9 political deference through economic dependence.

10 (16) The PRC is executing a plan to establish
11 regional hegemony over the Indo-Pacific and dis-
12 place the United States from the region. As a Pa-
13 cific power, the United States has built and sup-
14 ported enduring alliances and economic partnerships
15 that secure peace and prosperity and promote the
16 rule of law and political pluralism in a free and open
17 Indo-Pacific. In contrast, the PRC uses economic
18 and military coercion in the region to secure its own
19 interests.

20 (17) The PRC's military strategy seeks to keep
21 the United States military from operating in the
22 Western Pacific and erodes United States security
23 guarantees.

24 (18) The PRC is aggressively pursuing exclu-
25 sive control of critical land routes, sea lanes, and air

1 space in the Indo-Pacific in the hopes of eventually
2 exercising greater influence beyond the region. This
3 includes lanes crucial to commercial activity, energy
4 exploration, transport, and the exercise of security
5 operations in areas permitted under international
6 law.

7 (19) The PRC seeks so-called “reunification”
8 with Taiwan through whatever means may ulti-
9 mately be required. The CCP’s insistence that so-
10 called “reunification” is Taiwan’s only option makes
11 this goal inherently coercive. In January 2019, Gen-
12 eral Secretary Xi stated that the PRC “make[s] no
13 promise to renounce the use of force and reserve[s]
14 the option of taking all necessary means”. Taiwan’s
15 embodiment of democratic values and economic lib-
16 eralism challenges General Secretary Xi’s goal of
17 achieving national rejuvenation. The PRC plans to
18 exploit Taiwan’s dominant strategic position in the
19 First Island Chain and to project power into the
20 Second Island Chain and beyond.

21 (20) In the South China Sea, the PRC has exe-
22 cuted an illegal island-building campaign that
23 threatens freedom of navigation and the free-flow of
24 commerce, damages the environment, bolsters the
25 PLA power projection capabilities, and coerces and

1 intimidates other regional claimants in an effort to
2 advance its unlawful claims and control the waters
3 around neighboring countries. Despite General Sec-
4 retary Xi's September 2015 speech, in which he said
5 the PRC was not militarizing the South China Sea,
6 during the 2017 19th Party Congress, General Sec-
7 retary Xi announced that "construction on islands
8 and reefs in the South China Sea have seen steady
9 progress".

10 (21) The PRC is rapidly modernizing the PLA
11 to attain a level of capacity and capability superior
12 to the United States in terms of equipment and con-
13 duct of modern military operations by shifting its
14 military doctrine from having a force "adequate
15 [for] China's defensive needs" to having a force
16 "commensurate with China's international status".
17 Ultimately, this transformation could enable China
18 to impose its will in the Indo-Pacific region through
19 the threat of military force. In 2017, General Sec-
20 retary Xi established the following developmental
21 benchmarks for the advancement of the PLA:

22 (A) A mechanized force with increased
23 informatized and strategic capabilities by 2020.

24 (B) The complete modernization of China's
25 national defense by 2035.

1 (C) The full transformation of the PLA
2 into a world-class force by 2050.

3 (22) The PRC's strategy and supporting poli-
4 cies described in this subsection undermine United
5 States interests, such as—

6 (A) upholding a free and open inter-
7 national order;

8 (B) maintaining the integrity of inter-
9 national institutions with liberal norms and val-
10 ues;

11 (C) preserving a favorable balance of
12 power in the Indo-Pacific;

13 (D) ensuring the defense of its allies;

14 (E) preserving open sea and air lanes;

15 (F) fostering the free flow of commerce
16 through open and transparent markets; and

17 (G) promoting individual freedom and
18 human rights.

19 (23) The global COVID-19 pandemic has in-
20 tensified and accelerated these trends in the PRC's
21 behavior and therefore increased the need for United
22 States global leadership and a competitive posture.
23 The PRC has capitalized on the world's focus on the
24 COVID-19 pandemic by—

1 (A) moving rapidly to undermine Hong
2 Kong’s autonomy, including imposing a so-
3 called “national security law” on Hong Kong;

4 (B) aggressively imposing its will in the
5 East and South China Seas;

6 (C) increasing its territorial aggression in
7 South Asia, including against India; and

8 (D) engaging in a widespread and govern-
9 ment-directed disinformation campaign to ob-
10 scure the PRC Government’s efforts to cover up
11 the seriousness of COVID–19, sow confusion
12 about the origination of the outbreak, and dis-
13 credit the United States, its allies, and global
14 health efforts.

15 (24) The CCP’s disinformation campaign re-
16 ferred to in paragraph (23)(D) has included—

17 (A) concerted efforts, in the early days of
18 the pandemic, to downplay the nature and
19 scope of the outbreak in Wuhan in the PRC, as
20 well as cases of person-to-person transmission;

21 (B) claims that the virus originated in
22 United States biological defense research at
23 Fort Detrick, Maryland;

1 (C) Chinese state media reports insinu-
2 ating a possible link between the virus and
3 other United States biological facilities; and

4 (D) efforts to block access to qualified
5 international infectious disease experts who
6 might contradict the CCP's narrative.

7 (25) In response to the PRC's strategy and
8 policies, the United States must adopt a policy of
9 strategic competition with the PRC to protect and
10 promote our vital interests and values.

11 (26) The United States policy of strategic com-
12 petition with respect to the People's Republic of
13 China is part of a broader strategic approach to the
14 Indo-Pacific and the world that aligns with coopera-
15 tion with United States allies and partners to ad-
16 vance shared values and interests and to preserve
17 and enhance a free, open, democratic, inclusive,
18 rules-based, stable, and diverse region.

19 (27) The Asia Reassurance Initiative Act of
20 2018 (Public Law 115–409) contributed to a com-
21 prehensive framework for promoting United State
22 security interests, economic interests, and values in
23 the Indo-Pacific region, investing \$7,500,000,000
24 over 5 years—

1 (A) to support greater security and defense
2 cooperation between the United States and al-
3 lies and partners in the Indo-Pacific region;

4 (B) to advance democracy and the protec-
5 tion and promotion of human rights in the
6 Indo-Pacific region;

7 (C) to enhance cybersecurity cooperation
8 between the United States and partners in the
9 Indo-Pacific;

10 (D) to deepen people-to-people engagement
11 through programs such as the Young Southeast
12 Asian Leaders Initiative and the ASEAN Youth
13 Volunteers program; and

14 (E) to enhance energy cooperation and en-
15 ergy security in the Indo-Pacific region.

16 **SEC. 30003. STATEMENT OF POLICY.**

17 (a) OBJECTIVES.—It is the policy of the United
18 States to pursue the following objectives:

19 (1) The United States global leadership role is
20 sustained and its political system and major founda-
21 tions of national power are secured for the long-term
22 in the political, economic, technological, and military
23 domains.

24 (2) The United States position as an indispen-
25 sable power in the Indo-Pacific and globally is sus-

1 tained through diplomacy, multilateralism, and en-
2 gagement.

3 (3) The United States deters military con-
4 frontation with the PRC and both nations work to
5 reduce the risk of conflict.

6 (4) The United States and its allies maintain a
7 stable balance of power in the Indo-Pacific with
8 China. The United States and its allies maintain un-
9 fettered access to the region, including through free-
10 dom of navigation, consistent with international law
11 and practice.

12 (5) The allies and partners of the United
13 States—

14 (A) maintain confidence in United States
15 leadership and its commitment to the Indo-Pa-
16 cific region;

17 (B) can withstand and combat subversion
18 by the PRC; and

19 (C) work closely with the United States in
20 setting global rules, norms, and standards that
21 benefit the international community.

22 (6) The combined economic and military
23 strength of the United States and its allies and part-
24 ners demonstrates to the PRC that the risks of at-

1 attempts to dominate other states outweigh the poten-
2 tial benefits.

3 (7) The United States leads the free, open, and
4 rules-based international order, which comprises re-
5 silient states and institutions that uphold and defend
6 principles, such as sovereignty, rule of law, indi-
7 vidual freedom, and human rights. The international
8 order is strong enough to withstand attempts at de-
9 stabilization by illiberal and authoritarian actors.

10 (8) The key rules, norms, and standards of
11 international engagement in the 21st century are
12 maintained, including—

13 (A) the protection of human rights, com-
14 mercial engagement and investment, and tech-
15 nology; and

16 (B) that such rules, norms, and standards
17 are in alignment with the values and interests
18 of the United States, its allies and partners,
19 and other stakeholders in the liberal inter-
20 national order.

21 (9) The United States counters attempts by the
22 PRC to—

23 (A) undermine open and democratic soci-
24 eties;

25 (B) distort global markets;

1 (C) coerce other nations via economic,
2 cyber, and military means; or

3 (D) use its technological advantages to un-
4 dermine individual freedoms or other states' na-
5 tional security interests.

6 (10) The United States deters military con-
7 frontation with the PRC and both nations work to
8 reduce the risk of conflict.

9 (b) POLICY.—It is the policy of the United States,
10 in pursuit of the objectives set forth in subsection (a)—

11 (1) to strengthen the United States domestic
12 foundation by reinvesting in market-based economic
13 growth, education, scientific and technological inno-
14 vation, democratic institutions, and other areas that
15 improve the ability of the United States to pursue
16 its vital economic, foreign policy, and national secu-
17 rity interests;

18 (2) to pursue a strategy of strategic competition
19 with the PRC in the political, diplomatic, economic,
20 development, security, informational, and techno-
21 logical realms to maximize the United States'
22 strengths and increase the costs for the PRC of
23 harming the interests and values of the United
24 States and its partners and allies;

1 (3) to lead a free, open, and secure inter-
2 national system characterized by the rule of law,
3 open markets and the free flow of commerce, and a
4 shared commitment to security and peaceful resolu-
5 tion of disputes, human rights, good and transparent
6 governance, and freedom from coercion;

7 (4) to strengthen and deepen United States alli-
8 ances and partnerships by pursuing greater bilateral
9 and multilateral cooperative initiatives that advance
10 shared interests and values and bolster partner
11 countries' confidence that the United States is and
12 will remain a strong, committed, and reliable partner
13 that respects the views and interests of its allies and
14 friends;

15 (5) to encourage and collaborate with United
16 States allies and partners in boosting their own ca-
17 pabilities and resiliency to pursue, defend, and pro-
18 tect shared interests and values, free from coercion
19 and external pressure;

20 (6) to pursue fair, reciprocal treatment and
21 healthy, constructive competition in United States-
22 China economic relations by improving United
23 States laws and regulations as necessary to prevent
24 any PRC attempts to harm United States economic
25 competitiveness;

1 (7) to demonstrate the value of private sector-
2 led growth in emerging markets around the world,
3 including through the use of United States Govern-
4 ment tools that—

5 (A) support greater private sector invest-
6 ment and advance capacity-building initiatives
7 that are grounded in the rule of law;

8 (B) promote open markets;

9 (C) establish clear policy and regulatory
10 frameworks;

11 (D) improve the management of key eco-
12 nomic sectors;

13 (E) combat corruption;

14 (F) foster and support greater collabora-
15 tion with and among partner countries and the
16 United States private sector to develop secure
17 and sustainable infrastructure; and

18 (G) support American workers and create
19 American jobs;

20 (8) to conduct vigorous commercial diplomacy
21 in support of United States companies and busi-
22 nesses in partner countries that seek fair competi-
23 tion;

24 (9) to ensure that the United States is second
25 to none in the innovation of critical and emerging

1 technologies, such as next-generation telecommuni-
2 cations, artificial intelligence, quantum computing,
3 semiconductors, and biotechnology, by—

4 (A) providing necessary investment and
5 concrete incentives for the private sector to ac-
6 celerate development of such technologies;

7 (B) modernizing export controls and in-
8 vestment screening regimes and associated poli-
9 cies and regulations;

10 (C) enhancing the role of the United
11 States in technical standards-setting bodies;

12 (D) reducing United States barriers and
13 increasing incentives for collaboration with al-
14 lies and partners on the research and co-devel-
15 opment of critical technologies;

16 (E) collaborating with allies and partners
17 to protect critical technologies by—

18 (i) coordinating and aligning export
19 control measures;

20 (ii) building capacity for defense tech-
21 nology security;

22 (iii) safeguarding chokepoints in stra-
23 tegically critical supply chains; and

24 (iv) ensuring diversification; and

1 (F) designing major defense capabilities
2 for export to vetted allies and partners;

3 (10) to collaborate with like-minded democ-
4 racies and other willing partners to promote ideals
5 and principles that—

6 (A) advance a free and open international
7 order;

8 (B) strengthen democratic institutions;

9 (C) protect and promote human rights;
10 and

11 (D) uphold a free press and fact-based re-
12 porting;

13 (11) to develop comprehensive strategies and
14 policies to counter PRC disinformation campaigns;

15 (12) to demonstrate effective leadership at the
16 United Nations, its associated agencies, and other
17 multilateral organizations and ensure the integrity
18 and effectiveness of these organizations in facili-
19 tating solutions to global challenges;

20 (13) to advocate for the defense of fundamental
21 freedoms and human rights in the United States re-
22 lationship with the PRC;

23 (14) to cooperate with allies, partners, and mul-
24 tilateral organizations that sustain and strengthen a
25 free and open order and address regional and global

1 challenges posed by the Government of the PRC re-
2 garding—

3 (A) violations and abuses of human rights;

4 (B) restrictions on religious practices; and

5 (C) the undermining and abrogation of
6 treaties, other international agreements, and
7 other international norms related to human
8 rights;

9 (15) to expose the PRC's use of corruption, re-
10 pression, and coercion to attain unfair economic ad-
11 vantages or compel other nations to defer to its po-
12 litical and strategic objectives in ways that threaten
13 the United States or its allies and partners;

14 (16) to maintain United States access to the
15 Western Pacific, including through necessary invest-
16 ments in United States military capabilities, policies,
17 and concepts in the Indo-Pacific, as well as robust
18 cooperation, exercises, and interoperability with al-
19 lies and partners;

20 (17) to deter the PRC from—

21 (A) initiating armed conflict;

22 (B) coercing nations; or

23 (C) using grey-zone tactics below the level
24 of armed conflict;

1 (18) to strengthen United States-PRC military-
2 to-military communication and improve both military
3 and civilian crisis avoidance and management proce-
4 dures to de-conflict operations and reduce the risk of
5 unwanted conflict, including through high-level visits
6 and recurrent exchanges between civilian and mili-
7 tary officials and other measures, in alignment with
8 United States interests; and

9 (19) to strengthen stability and reduce sus-
10 picions, cooperate with the PRC when interests
11 align, including through bilateral or multilateral
12 means and at the United Nations, as appropriate,
13 and especially in the following areas—

14 (A) global fight against climate change;

15 (B) nuclear security; and

16 (C) global financial stability.

17 **SEC. 30004. SENSE OF CONGRESS.**

18 It is the sense of Congress that the execution of the
19 policy described in section 30003(b) requires the following
20 actions:

21 (1) Revitalizing American leadership globally
22 and in the Indo-Pacific will require the United
23 States—

24 (A) to marshal sustained political will to
25 protect its vital interests, promote its values,

1 and advance its economic and national security
2 objectives; and

3 (B) to achieve this sustained political will,
4 persuade the American people and United
5 States allies and partners of—

6 (i) the current challenges facing the
7 international rules based order; and

8 (ii) the need for long-term invest-
9 ments and engagement to defend shared
10 interests and values.

11 (2) The United States must coordinate closely
12 with allies and partners to compete effectively with
13 the PRC, including to encourage allies and partners
14 to assume, as appropriate, greater roles in balancing
15 and checking aggressive PRC behavior.

16 (3) Effective United States strategy toward
17 China requires—

18 (A) bipartisan cooperation within Con-
19 gress; and

20 (B) frequent, sustained, and meaningful
21 collaboration and consultation between the exec-
22 utive branch and Congress.

23 (4) The United States must ensure close inte-
24 gration among economic and foreign policymakers
25 and provide support to the private sector, civil soci-

1 ety, universities and academic institutions, and other
2 relevant actors in free and open societies to enable
3 such actors—

4 (A) to collaborate to advance common in-
5 terests; and

6 (B) to identify appropriate policies—

7 (i) to strengthen the United States
8 and its allies; and

9 (ii) to promote a compelling vision of
10 a free and open order.

11 (5) The United States must ensure that all
12 Federal departments, agencies, and overseas mis-
13 sions are organized and resourced to effectively de-
14 fend and advance United States interests, by—

15 (A) dedicating more personnel in the Indo-
16 Pacific region, at posts around the world, and
17 in Washington, DC;

18 (B) placing greater numbers of foreign
19 service officers, international development pro-
20 fessionals, members of the foreign commercial
21 service, intelligence professionals, and other
22 United States Government personnel in the
23 Indo-Pacific region; and

24 (C) ensuring that this workforce has the
25 training, demonstrated proficiency in language

1 and culture, technical skills, and other com-
2 petencies required to advance a successful strat-
3 egy in relation to the PRC.

4 (6) The United States must place renewed pri-
5 ority and emphasis on strengthening the nonmilitary
6 instruments of national power, including diplomacy,
7 information, technology, economics, foreign assist-
8 ance and development finance, commerce, intel-
9 ligence, and law enforcement, which are crucial for
10 addressing the challenges posed by the PRC.

11 (7) The United States must sustain military ca-
12 pabilities necessary to achieve United States political
13 objectives in the Indo-Pacific, including—

14 (A) promoting regional security in the
15 Indo-Pacific;

16 (B) reassuring allies and partners while
17 protecting them from coercion; and

18 (C) deterring PRC aggression and pre-
19 venting unwanted conflict.

20 (8) Competition with the PRC requires skillful
21 adaptation to the information environment of the
22 21st century. United States public diplomacy and
23 messaging efforts must effectively—

24 (A) promote the value of partnership with
25 the United States; and

1 (B) counter CCP propaganda and
2 disinformation that threatens United States in-
3 terests.

4 **SEC. 30005. RULES OF CONSTRUCTION.**

5 (a) APPLICABILITY OF EXISTING RESTRICTIONS ON
6 ASSISTANCE TO FOREIGN SECURITY FORCES.—Nothing
7 in this division shall be construed to diminish, supplant,
8 supersede, or otherwise restrict or prevent responsibilities
9 of the United States Government under section 620M of
10 the Foreign Assistance Act of 1961 (22 U.S.C. 2378d)
11 or section 362 of title 10, United States Code.

12 (b) NO AUTHORIZATION FOR THE USE OF MILITARY
13 FORCE.—Nothing in this division may be construed as au-
14 thorizing the use of military force.

15 **TITLE I—INVESTING IN**
16 **AMERICAN COMPETITIVENESS**
17 **Subtitle A—Science and**
18 **Technology**

19 **SEC. 30101. AUTHORIZATION TO ASSIST UNITED STATES**
20 **COMPANIES WITH GLOBAL SUPPLY CHAIN DI-**
21 **VERSIFICATION AND MANAGEMENT.**

22 (a) AUTHORIZATION TO CONTRACT SERVICES.—The
23 Secretary of State, in coordination with the Secretary of
24 Commerce, is authorized to establish a program to facili-
25 tate the contracting by the Department of State for the

1 professional services of qualified experts, on a reimburs-
2 able fee for service basis, to assist interested United States
3 persons and business entities with supply chain manage-
4 ment issues related to the People's Republic of China
5 (PRC), including—

6 (1) exiting from the PRC market or relocating
7 certain production facilities to locations outside the
8 PRC;

9 (2) diversifying sources of inputs, and other ef-
10 forts to diversify supply chains to locations outside
11 of the PRC;

12 (3) navigating legal, regulatory, or other chal-
13 lenges in the course of the activities described in
14 paragraphs (1) and (2); and

15 (4) identifying alternative markets for produc-
16 tion or sourcing outside of the PRC, including
17 through providing market intelligence, facilitating
18 contact with reliable local partners as appropriate,
19 and other services.

20 (b) CHIEF OF MISSION OVERSIGHT.—The persons
21 contracted to perform the services described in subsection
22 (a) shall—

23 (1) be under the authority of the United States
24 Chief of Mission in the country in which they are

1 hired, in accordance with existing United States
2 laws;

3 (2) coordinate with Department of State and
4 Department of Commerce officers; and

5 (3) coordinate with United States missions and
6 relevant local partners in other countries as needed
7 to carry out the services described in subsection (a).

8 (c) PRIORITIZATION OF MICRO-, SMALL-, AND ME-
9 DIUM-SIZED ENTERPRISES.—The services described in
10 subsection (a) shall be prioritized for assisting micro-,
11 small-, and medium-sized enterprises with regard to the
12 matters described in subsection (a).

13 (d) AUTHORIZATION OF APPROPRIATIONS.—There is
14 authorized to be appropriated \$15,000,000 for each of fis-
15 cal years 2022 through 2026 for the purposes of carrying
16 out this section.

17 (e) PROHIBITION ON ACCESS TO ASSISTANCE BY
18 FOREIGN ADVERSARIES.—None of the funds appropriated
19 pursuant to this section may be provided to an entity—

20 (1) under the foreign ownership, control, or in-
21 fluence of the Government of the PRC or the CCP,
22 or other foreign adversary;

23 (2) determined to have beneficial ownership
24 from foreign individuals subject to the jurisdiction,
25 direction, or influence of foreign adversaries; and

1 (3) that has any contract in effect at the time
2 of the receipt of such funds, or has had a contract
3 within the previous one year that is no longer in ef-
4 fect, with—

5 (A) the Government of the PRC;

6 (B) the CCP;

7 (C) the PLA;

8 (D) an entity majority-owned, majority-
9 controlled, or majority-financed by the Govern-
10 ment of the PRC, the CCP, or the PLA; or

11 (E) a parent, subsidiary, or affiliate of an
12 entity described in subparagraph (D).

13 (f) DEFINITIONS.—The terms “foreign ownership,
14 control, or influence” and “FOCI” have the meanings
15 given to those terms in part 117 of title 32, Code of Fed-
16 eral Regulations, or a successor document.

17 **SEC. 30102. REPORT ON NATIONAL TECHNOLOGY AND IN-**
18 **DUSTRIAL BASE.**

19 (a) SENSE OF CONGRESS.—It is the sense of Con-
20 gress that—

21 (1) a more streamlined, shared, and coordinated
22 approach, which leverages economies of scale with
23 major allies, is necessary for the United States to re-
24 tain its lead in defense technology;

1 (2) allowing for the export, re-export, or trans-
2 fer of defense-related technologies and services to
3 members of the national technology and industrial
4 base (as defined in section 2500 of title 10, United
5 States Code) would advance United States security
6 interests by helping to leverage the defense-related
7 technologies and skilled workforces of trusted allies
8 to reduce the dependence on other countries, includ-
9 ing countries that pose challenges to United States
10 interests around the world, for defense-related inno-
11 vation and investment; and

12 (3) it is in the interest of the United States to
13 continue to increase cooperation with Australia,
14 Canada, and the United Kingdom of Great Britain
15 and Northern Ireland to protect critical defense-re-
16 lated technology and services and leverage the in-
17 vestments of like-minded, major ally nations in order
18 to maximize the strategic edge afforded by defense
19 technology innovation.

20 (b) REPORT.—

21 (1) IN GENERAL.—Not later than 90 days after
22 the date of the enactment of this Act, the Secretary
23 of State shall submit a report to the Committee on
24 Foreign Relations of the Senate and the Committee
25 on Foreign Affairs of the House of Representatives,

1 the Committees on Armed Services of the Senate
2 and the House of Representatives, and any other ap-
3 propriate congressional committees that—

4 (A) describes the Department of State's ef-
5 forts to facilitate access among the national
6 technology and industrial base to defense arti-
7 cles and services subject to the United States
8 Munitions List under section 38(a)(1) of the
9 Arms Export Control Act (22 U.S.C.
10 2778(a)(1)); and

11 (B) identifies foreign legal, regulatory, for-
12 eign policy, or other challenges or consider-
13 ations that prevent or frustrate these efforts, to
14 include any gaps in the respective export con-
15 trol regimes implemented by United Kingdom
16 of Great Britain and Northern Ireland, Aus-
17 tralia, or Canada.

18 (2) FORM.—This report required under para-
19 graph (1) shall be unclassified, but may include a
20 classified annex.

1 **Subtitle B—Global Infrastructure**
2 **and Energy Development**

3 **SEC. 30111. APPROPRIATE COMMITTEES OF CONGRESS DE-**
4 **FINED.**

5 In this subtitle, the term “appropriate committees of
6 Congress” means—

7 (1) the Committee on Foreign Relations and
8 the Committee on Appropriations of the Senate; and

9 (2) the Committee on Foreign Affairs and the
10 Committee on Appropriations of the House of Rep-
11 resentatives.

12 **SEC. 30112. SENSE OF CONGRESS ON INTERNATIONAL**
13 **QUALITY INFRASTRUCTURE INVESTMENT**
14 **STANDARDS.**

15 (a) SENSE OF CONGRESS ON COLLABORATIVE
16 STANDARDS.—It is the sense of Congress that the United
17 States should initiate collaboration among governments,
18 the private sector, and civil society to encourage the adop-
19 tion of the standards for quality global infrastructure de-
20 velopment advanced by the G20 at Osaka in 2018, includ-
21 ing with respect to the following issues:

22 (1) Respect for the sovereignty of countries in
23 which infrastructure investments are made.

24 (2) Anti-corruption.

25 (3) Rule of law.

1 (4) Human rights and labor rights.

2 (5) Fiscal and debt sustainability.

3 (6) Social and governance safeguards.

4 (7) Transparency.

5 (8) Environmental and energy standards.

6 (b) SENSE OF CONGRESS ON COMMITMENT TO CO-
7 OPERATION.—It is the sense of Congress that the United
8 States should launch a series of fora around the world
9 showcasing the commitment of the United States and
10 partners of the United States to high-quality development
11 cooperation, including with respect to the issues described
12 in subsection (a).

13 **SEC. 30113. SUPPORTING ECONOMIC INDEPENDENCE FROM**
14 **THE PEOPLE’S REPUBLIC OF CHINA.**

15 (a) FINDING.—It is in the national interest of the
16 United States to establish a coordinated interagency strat-
17 egy to marshal the resources of the United States Govern-
18 ment to provide foreign countries with financing that
19 strengthens independent economic capacity and therefore
20 reduces a foreign government’s need to enter into agree-
21 ments with the People’s Republic of China (PRC), includ-
22 ing to obtain support from its Belt and Road Initiative.

23 (b) STRATEGY.—

24 (1) AUTHORITY.—Not later than 180 days
25 after the date of the enactment of this Act, the

1 President shall develop and submit a strategy to the
2 relevant congressional committees to use the re-
3 sources of Federal agencies to counteract offers of
4 assistance and financing from the PRC to foreign
5 governments that are of strategic importance to the
6 United States.

7 (2) COMPONENTS OF STRATEGY.—The strategy
8 shall—

9 (A) identify primary sectors where the
10 United States could provide a competitive ad-
11 vantage to increase a country's economic inde-
12 pendence;

13 (B) select countries with corresponding
14 economic needs, with priority given to those
15 who are vulnerable to Chinese economic influ-
16 ence;

17 (C) identify any corresponding existing fi-
18 nancing available from United States Govern-
19 ment entities to prioritize and devise specific fi-
20 nancing tailored to the needs of such foreign
21 governments if none are currently available;

22 (D) identify any cooperative and com-
23plementary assistance and financing from
24 friendly foreign governments, including coordi-
25nated assistance and co-financing;

1 (E) create a streamlined decision-making
2 process, directed by the National Security
3 Council, to devise financing and make agency
4 decisions and commitments on a timely basis to
5 support United States competitive offers;

6 (F) establish a formal G7+European Com-
7 mission Working Group to develop a com-
8 prehensive strategy to develop alternatives to
9 the PRC's Belt and Road Initiative for develop-
10 ment finance; and

11 (G) integrate existing efforts into the
12 strategy, including efforts to address the Gov-
13 ernment of the PRC's use of the United Na-
14 tions to advance the Belt and Road Initiative,
15 including the proliferation of memoranda of un-
16 derstanding between the PRC and United Na-
17 tions funds and programs regarding the imple-
18 mentation of the Belt and Road Initiative.

19 (3) PARTICIPATING AGENCIES.—Participating
20 Federal agencies should include the Department of
21 State, Department of the Treasury, United States
22 Agency for International Development (USAID),
23 United States International Development Finance
24 Corporation, Millennium Challenge Corporation,
25 United States Trade and Development Agency, De-

1 partment of Commerce, and other Federal depart-
2 ments and agencies as appropriate.

3 (4) EXECUTION OF STRATEGY.—The President
4 should issue an Executive Order to implement the
5 strategy and make such changes in agency regula-
6 tions and procedures as are necessary to put the
7 strategy into effect.

8 (5) RELEVANT CONGRESSIONAL COMMIT-
9 TEES.—In this section, the term “relevant congress-
10 sional committees” means—

11 (A) the Committee on Appropriations, the
12 Committee on Foreign Affairs, and the Com-
13 mittee on Financial Services of the House of
14 Representatives; and

15 (B) the Committee on Appropriations, the
16 Committee on Foreign Relations, and the Com-
17 mittee on Banking, Housing, and Urban Affairs
18 of the Senate.

19 (c) AUTHORITY.—The Secretary of State, in coordi-
20 nation with the Administrator of the USAID, is author-
21 ized to establish or continue an initiative, to be known as
22 the “Infrastructure Transaction and Assistance Net-
23 work”, under which the Secretary of State, in consultation
24 with other relevant Federal agencies, including those rep-
25 resented on the Global Infrastructure Coordinating Com-

1 mittee, may carry out various programs to advance the
2 development of sustainable, transparent, and high-quality
3 infrastructure worldwide in the Indo-Pacific region by—

4 (1) strengthening capacity-building programs to
5 improve project evaluation processes, regulatory and
6 procurement environments, and project preparation
7 capacity of countries that are partners of the United
8 States in such development;

9 (2) providing transaction advisory services and
10 project preparation assistance to support sustainable
11 infrastructure; and

12 (3) coordinating the provision of United States
13 assistance for the development of infrastructure, in-
14 cluding infrastructure that uses United States man-
15 ufactured goods and services, and catalyzing invest-
16 ment led by the private sector.

17 (d) TRANSACTION ADVISORY FUND.—As part of the
18 “Infrastructure Transaction and Assistance Network” de-
19 scribed under subsection (c), the Secretary of State is au-
20 thorized to provide support, including through the Trans-
21 action Advisory Fund, for advisory services to help boost
22 the capacity of partner countries to evaluate contracts and
23 assess the financial and environmental impacts of poten-
24 tial infrastructure projects, including through providing
25 services such as—

- 1 (1) legal services;
- 2 (2) project preparation and feasibility studies;
- 3 (3) debt sustainability analyses;
- 4 (4) bid or proposal evaluation; and
- 5 (5) other services relevant to advancing the de-
- 6 velopment of sustainable, transparent, and high-
- 7 quality infrastructure.

8 (e) STRATEGIC INFRASTRUCTURE FUND.—

9 (1) IN GENERAL.—As part of the “Infrastruc-

10 ture Transaction and Assistance Network” described

11 under subsection (c), the Secretary of State is au-

12 thorized to provide support, including through the

13 Strategic Infrastructure Fund, for technical assist-

14 ance, project preparation, pipeline development, and

15 other infrastructure project support.

16 (2) JOINT STRATEGIC INFRASTRUCTURE

17 PROJECTS.—Funds authorized for the Strategic In-

18 frastructure Fund should be used in coordination

19 with the Department of Defense, the International

20 Development Finance Corporation, like-minded

21 donor partners, and multilateral banks, as appro-

22 priate, to support joint infrastructure projects that

23 are in the national security interest of the United

24 States and vulnerable to strategic competitors.

1 (f) AUTHORIZATION OF APPROPRIATIONS.—There is
2 authorized to be appropriated, for each of fiscal years
3 2022 to 2026, \$75,000,000 to the Infrastructure Trans-
4 action and Assistance Network, of which \$20,000,000
5 should be made available for the Transaction Advisory
6 Fund.

7 **SEC. 30114. STRATEGY FOR ADVANCED AND RELIABLE EN-**
8 **ERGY INFRASTRUCTURE.**

9 (a) IN GENERAL.—The President shall direct a com-
10 prehensive, multi-year, whole of government effort, in con-
11 sultation with the private sector, to counter predatory
12 lending and financing, including in the form of providing
13 support to companies incorporated in the People’s Repub-
14 lic of China (PRC) that engage in such activities, by the
15 Government of the PRC in the energy sectors of devel-
16 oping countries.

17 (b) POLICY.—It is the policy of the United States
18 to—

19 (1) regularly evaluate current and forecasted
20 energy needs and capacities of developing countries,
21 and analyze the presence and involvement of PRC
22 state-owned industries and other companies incor-
23 porated in the PRC, Chinese nationals providing
24 labor, and financing of energy projects, including di-
25 rect financing by the PRC government, PRC finan-

1 cial institutions, or direct state support to state-
2 owned enterprises and other companies incorporated
3 in the PRC;

4 (2) pursue strategic support and investment op-
5 portunities, and diplomatic engagement on power
6 sector reforms, to expand the development and de-
7 ployment of advanced energy technologies in devel-
8 oping countries;

9 (3) offer financing, loan guarantees, grants,
10 and other financial products on terms that advance
11 domestic economic and local employment opportuni-
12 ties, utilize advanced energy technologies, encourage
13 private sector growth, and, when appropriate United
14 States equity and sovereign lending products as al-
15 ternatives to the predatory lending tools offered by
16 Chinese financial institutions;

17 (4) pursue partnerships with likeminded inter-
18 national financial and multilateral institutions to le-
19 verage investment in advanced energy technologies
20 in developing countries; and

21 (5) pursue bilateral partnerships focused on the
22 cooperative development of advanced energy tech-
23 nologies with countries of strategic significance, par-
24 ticularly in the Indo-Pacific region, to address the
25 effects of energy engagement by the PRC through

1 predatory lending or other actions that negatively
2 impact other countries.

3 (c) **ADVANCED ENERGY TECHNOLOGIES EXPORTS.**—

4 Not later than 180 days after the date of the enactment
5 of this Act, and annually thereafter for 5 years, the Sec-
6 retary of State, in consultation with the Secretary of En-
7 ergy, shall submit to the appropriate committees of Con-
8 gress a United States Government strategy to increase
9 United States exports of advanced energy technologies
10 to—

11 (1) improve energy security in allied and devel-
12 oping countries;

13 (2) create open, efficient, rules-based, and
14 transparent energy markets;

15 (3) improve free, fair, and reciprocal energy
16 trading relationships; and

17 (4) expand access to affordable, reliable energy.

18 **SEC. 30115. REPORT ON THE PEOPLE'S REPUBLIC OF CHI-**
19 **NA'S INVESTMENTS IN FOREIGN ENERGY DE-**
20 **VELOPMENT.**

21 (a) **IN GENERAL.**—No later than 180 days after the
22 date of the enactment of this Act, and annually thereafter
23 for 5 years, the Secretary of State shall submit to the ap-
24 propriate committees of Congress a report that—

1 (1) identifies priority countries for deepening
2 United States engagement on energy matters, in ac-
3 cordance with the economic and national security in-
4 terests of the United States and where deeper en-
5 ergy partnerships are most achievable;

6 (2) describes the involvement of the Govern-
7 ment of the People's Republic of China (PRC) and
8 companies incorporated in the PRC in the develop-
9 ment, operation, financing, or ownership of energy
10 generation facilities, transmission infrastructure, or
11 energy resources in the countries identified in para-
12 graph (1);

13 (3) evaluates strategic or security concerns and
14 implications for United States national interests and
15 the interests of the countries identified in paragraph
16 (1), with respect to the PRC's involvement and in-
17 fluence in developing country energy production or
18 transmission; and

19 (4) outlines current and planned efforts by the
20 United States to partner with the countries identi-
21 fied in paragraph (1) on energy matters that sup-
22 port shared interests between the United States and
23 such countries.

1 (b) PUBLICATION.—The assessment required in sub-
2 section (a) shall be published on the Department of State’s
3 website.

4 **Subtitle C—Economic Diplomacy** 5 **and Leadership**

6 **SEC. 30121. FINDINGS ON REGIONAL ECONOMIC ORDER.**

7 Congress makes the following findings:

8 (1) The United States played a leadership role
9 in constructing the architecture, rules, and norms
10 governing the international economic order following
11 the Second World War, yielding decades of domestic
12 economic and geopolitical prosperity and stability.

13 (2) It is in the United States’ vital interest to
14 upgrade its economic engagement and leadership in
15 the Indo-Pacific and develop concrete steps to
16 strengthen its commercial diplomacy to fully par-
17 ticipate in the region’s economic dynamism.

18 **SEC. 30122. REPORT ON ENTRENCHING AMERICAN ECO-** 19 **NOMIC DIPLOMACY IN THE INDO-PACIFIC.**

20 (a) SENSE OF CONGRESS.—It is the sense of Con-
21 gress that United States national interests and the pri-
22 macy of United States power in the Indo-Pacific are inti-
23 mately tied to the following economic objectives:

24 (1) Confirming American leadership and par-
25 ticipation in global regional economic organizations

1 and fora, including the Asia-Pacific Economic Co-
2 operation (APEC) and the World Trade Organiza-
3 tion (WTO).

4 (2) Building secure and resilient supply chains
5 for industries critical for United States national in-
6 terest, including semiconductors, vaccines, and per-
7 sonal protective equipment.

8 (3) Showcasing the benefits and appeal of a
9 market-based economic model.

10 (b) REPORTING.—Not later than 180 days after the
11 date of the enactment of this Act, the Secretary of State,
12 in coordination with the United States Trade Representa-
13 tive and the Secretary of Commerce, shall submit a report
14 to the appropriate committees of Congress that presents
15 the steps the United States is taking and plans to take
16 to achieve the objectives outlined in subsection (a) and in-
17 cludes specific action plans for the following:

18 (1) Reenergizing APEC as a critical component
19 of the region's economic architecture.

20 (2) Working with allies and partners to build
21 resilient and trusted supply chains especially for
22 critical and emerging technologies, including semi-
23 conductors, and products and components critical
24 for national health, including vaccines and related
25 materials and personal protective equipment.

1 (c) APPROPRIATE COMMITTEES OF CONGRESS DE-
2 FINED.—In this section, the term “appropriate commit-
3 tees of Congress” means—

4 (1) the Committee on Foreign Relations, the
5 Committee on Banking, Housing and Urban Affairs,
6 and the Committee on Finance of the Senate; and

7 (2) the Committee on Foreign Affairs, the
8 Committee on Energy and Commerce, and the Com-
9 mittee on Ways and Means of the House of Rep-
10 resentatives.

11 **SEC. 30123. SENSE OF CONGRESS ON THE NEED TO BOL-**
12 **STER AMERICAN LEADERSHIP IN THE ASIA**
13 **PACIFIC ECONOMIC COOPERATION.**

14 It is the sense of Congress that—

15 (1) the United States has benefitted from the
16 regional economic integration agenda of the Asia Pa-
17 cific Economic Cooperation (APEC) forum since its
18 inception in 1989;

19 (2) APEC is a hub of commerce for 21 member
20 economies that, as of 2018, accounted for 60 percent
21 of global GDP and 48 percent of global trade;

22 (3) APEC has contributed to the economic
23 growth in the region and enhanced access to global
24 value chains, while raising the profile of critical top-

1 ics such as fair trade, sustainability, gender parity,
2 and inclusive growth;

3 (4) it is in the United States interest to engage
4 and lead at APEC to push for an open and inclusive
5 regional economy that benefits United States work-
6 ers, consumers, and businesses and better integrates
7 the United States economy with others in the region;

8 (5) when the United States last hosted APEC
9 in 2011, it was able to promote United States inter-
10 ests, while reassuring allies and partners about its
11 strong commitment to the region in the economic
12 arena;

13 (6) today, APEC can again be used as a forum
14 to make progress on several United States priorities,
15 that are shared by United States allies and partners,
16 including—

17 (A) making regional commerce more inclu-
18 sive;

19 (B) fostering innovation and digitization;
20 and

21 (C) addressing climate change and environ-
22 mental protection;

23 (7) hosting APEC would provide a tremendous
24 opportunity to leverage American leadership to
25 shape the regional economic agenda;

1 (8) hosting APEC would allow the United
2 States to advance several of its own priorities in the
3 region, including to—

4 (A) expand the participation of APEC
5 stakeholders to include labor groups, environ-
6 mental advocates, and other part of civil soci-
7 ety;

8 (B) upgrade APEC’s work to empower and
9 promote small and medium enterprises;

10 (C) spotlight best practices and plans to
11 upgrade skills for the next-generation of tech-
12 nology jobs;

13 (D) advance a climate and sustainable
14 trade and development agenda with a focus on
15 green technologies, infrastructure and finance;
16 and

17 (E) advance work on digital issues; and

18 (9) with no host confirmed for 2023, the United
19 States should immediately announce its interest to
20 host APEC in 2023 and work with the APEC Secre-
21 tariat and like-minded APEC members to build sup-
22 port.

1 **SEC. 30124. STRATEGY ON DETERRENCE OF ECONOMIC CO-**
2 **ERCION.**

3 (a) IN GENERAL.—Not later than 1 year after the
4 date of the enactment of this Act, the President shall sub-
5 mit to the appropriate congressional committees a whole-
6 of-government strategy to deter Chinese economic coercion
7 against third countries that includes the following:

8 (1) An explanation of the means available to
9 the United States, with the cooperation of allies, to
10 enable a country with a smaller economy to with-
11 stand such coercion.

12 (2) A description of the role that the Secretary
13 of State, acting through the Under Secretary of
14 State for Public Diplomacy and Public Affairs, will
15 play in the imposition of reputational costs on the
16 PRC for conducting economic coercion.

17 (3) Role clarity for the Secretary of State, the
18 Administrator of the United States Agency for
19 International Development, the Secretary of De-
20 fense, the head of each element of the intelligence
21 community (as such term is defined by section 3 of
22 the National Security Act of 1947 (50 U.S.C.
23 3003)), the Secretary of the Treasury, the Secretary
24 of Commerce, the United States Trade Representa-
25 tive, and the United States International Develop-

1 ment Finance Corporation in implementing such
2 strategy.

3 (b) UPDATE.—Not later than 2 years after the date
4 of the submission of the strategy under subsection (a), and
5 every 2 years thereafter for 8 years, the President shall
6 submit to the appropriate congressional committees an as-
7 sessment of the implementation and effectiveness of the
8 strategy, lessons learned from the past year, and planned
9 changes to the strategy.

10 (c) FORM.—The strategy and update required by
11 subsections (a) and (b), respectively, shall be submitted
12 in classified form with an unclassified summary.

13 (d) APPROPRIATE CONGRESSIONAL COMMITTEES
14 DEFINED.—In this section, the term “appropriate con-
15 gressional committees” means—

16 (1) the Committee on Foreign Affairs, the
17 Committee on Energy and Commerce, the Com-
18 mittee on Ways and Means, and the Committee on
19 Oversight and Reform of the House of Representa-
20 tives; and

21 (2) the Committee on Foreign Relations, the
22 Committee on Commerce, Science, and Transpor-
23 tation, the Committee on Banking, Housing, and
24 Urban Affairs, and the Committee on Homeland Se-
25 curity and Governmental Affairs of the Senate.

1 **SEC. 30125. SENSE OF CONGRESS ON DIGITAL TECH-**
2 **NOLOGY ISSUES.**

3 (a) **LEADERSHIP IN INTERNATIONAL STANDARDS**
4 **SETTING.**—It is the sense of Congress that the United
5 States must lead in international bodies that set the gov-
6 ernance norms and rules for critical digitally enabled tech-
7 nologies in order to ensure that these technologies operate
8 within a free, secure, interoperable, and stable digital do-
9 main.

10 (b) **COUNTERING DIGITAL AUTHORITARIANISM.**—It
11 is the sense of Congress that the United States, along with
12 allies and partners, should lead an international effort to
13 combat the expanding use of information and communica-
14 tions technology products and services to surveil, repress,
15 and manipulate populations (also known as “digital
16 authoritarianism”).

17 (c) **FREEDOM OF INFORMATION IN THE DIGITAL**
18 **AGE.**—It is the sense of Congress that the United States
19 should lead a global effort to ensure that freedom of infor-
20 mation, including the ability to safely consume or publish
21 information without fear of undue reprisals, is maintained
22 as the digital domain becomes an increasingly integral
23 mechanism for communication.

24 (d) **EFFORTS TO ENSURE TECHNOLOGICAL DEVEL-**
25 **OPMENT DOES NOT THREATEN DEMOCRATIC GOVERN-**
26 **ANCE OR HUMAN RIGHTS.**—It is the sense of Congress

1 that the United States should lead a global effort to de-
2 velop and adopt a set of common principles and standards
3 for critical technologies to ensure that the use of such
4 technologies cannot be abused by malign actors, whether
5 they are governments or other entities, and that they do
6 not threaten democratic governance or human rights.

7 **SEC. 30126. DIGITAL DIALOGUE AND COOPERATION.**

8 It is the sense of Congress that—

9 (1) as the COVID–19 pandemic accelerated
10 United States dependence on digital tools, inter-
11 national rules around digital rules have remained
12 largely piecemeal; and

13 (2) the People’s Republic of China is operating
14 under and advancing a set of digital rules that are
15 contrary to United States values and interests, and
16 those of United States allies and partners.

17 **SEC. 30127. DIGITAL CONNECTIVITY AND CYBERSECURITY**
18 **PARTNERSHIP.**

19 (a) **DIGITAL CONNECTIVITY AND CYBERSECURITY**
20 **PARTNERSHIP.**—The President is authorized to establish
21 a program, to be known as the “Digital Connectivity and
22 Cybersecurity Partnership” to help foreign countries—

23 (1) expand and increase secure Internet access
24 and digital infrastructure;

1 (2) promote and protect human rights and
2 counter corruption and predatory behavior through-
3 out communications and cybersecurity policy and im-
4 plementation;

5 (3) guard against privacy abuses, cybercrime,
6 disinformation and misinformation, and the use of
7 digital technology and services to carry out criminal
8 activity or human rights violations;

9 (4) bolster the role of civil society in informing
10 ICT policy and regulations;

11 (5) promote exports of United States ICT
12 goods and services and increase United States com-
13 pany market share in target markets;

14 (6) promote the innovation and diversification
15 of ICT goods and supply chain services to be less re-
16 liant on imports from the People's Republic of
17 China;

18 (7) build cybersecurity capacity, expand inter-
19 operability, and promote best practices for a national
20 approach to cybersecurity; and

21 (8) enhance the security of their digital infra-
22 structure to facilitate better information sharing
23 with the United States and United States allies and
24 partners, as appropriate.

1 (b) IMPLEMENTATION PLAN.—Not later than 180
2 days after the date of the enactment of this Act, the Sec-
3 retary of State and the Administrator of the United States
4 Agency for International Development, in consultation
5 with the United States Trade Representative and the Na-
6 tional Cyber Director, shall jointly submit to the appro-
7 priate congressional committees an implementation plan
8 for the 3-year period beginning on the date of the submis-
9 sion of the plan to advance the goals identified in sub-
10 section (a). The implementation plan shall also include a
11 description of interagency responsibilities to carry out im-
12 plementation, a description of any barriers to successful
13 implementation, and a description of any additional re-
14 sources or authorities needed for successful implementa-
15 tion.

16 (c) CONSULTATION.—In developing the implementa-
17 tion plan required by subsection (b), the Secretary of State
18 and the Administrator of the United States Agency for
19 International Development shall consult with—

- 20 (1) the appropriate congressional committees;
- 21 (2) the Committee on Ways and Means and the
22 Committee on Oversight and Reform of the House
23 of Representatives;

1 (3) the Committee on Finance and the Com-
2 mittee on Homeland Security and Governmental Af-
3 fairs of the Senate;

4 (4) leaders of the United States industry;

5 (5) civil society leaders with expertise in tech-
6 nology, telecommunications, cybersecurity, economic
7 development and competitiveness, and human rights,
8 including from the Open Technology Fund;

9 (6) representatives from relevant United States
10 Government agencies; and

11 (7) representatives from like-minded allies and
12 partners.

13 (d) **AUTHORIZATION OF APPROPRIATIONS.**—There is
14 authorized to be appropriated such sums as necessary for
15 each of fiscal years 2022 through 2026 to carry out this
16 section.

17 **SEC. 30128. SENSE OF CONGRESS ON IDEOLOGICAL COM-**
18 **PETITION.**

19 It is the sense of Congress that National Security Ad-
20 visor Jake Sullivan correctly observed that the United
21 States and likeminded democracies are in an ideological
22 competition with the People’s Republic of China, under
23 the direction and control of the Chinese Communist Party,
24 when he stated, “China is essentially making the case that
25 the Chinese model is better than the American model. . .

1 This is not any longer some kind of implied contrast. It
2 is an explicit statement that there is an alternative model
3 to the democratic market economy model that the United
4 States has been advancing over the course of decades.”.

5 **Subtitle D—Financial Diplomacy**
6 **and Leadership**

7 **SEC. 30131. FINDINGS ON CHINESE FINANCIAL INDUSTRIAL**
8 **POLICY.**

9 Congress makes the following findings:

10 (1) The People’s Republic of China operates a
11 system of state-owned financial institutions including
12 retail banks, investment banks, asset managers, and
13 insurers which are given favorable treatment under
14 Chinese law while foreign financial institutions have
15 strict restrictions on their ability to operate in the
16 PRC.

17 (2) In order to join the World Trade Organiza-
18 tion (WTO) in 2001, the PRC Government com-
19 mitted to opening the credit card payment business
20 to foreign firms by 2006.

21 (3) The PRC continues to maintain aggressive
22 capital controls, limiting access to the Chinese mar-
23 ket to foreign investors while hamstringing its own
24 citizens ability to control their money.

1 (4) On November 5, 2018, Chinese President
2 Xi Jinping announced that the PRC would launch a
3 technology innovation stock exchange. The Shanghai
4 Stock Exchange STAR Market launched on July 22,
5 2019.

6 (5) On October 24, 2020, Chinese billionaire
7 Jack Ma referred to “pawnshop mentality” of state-
8 owned banks. Shortly thereafter, the initial public
9 offering of his firm Ant Financial was canceled by
10 Chinese regulators.

11 (6) The PRC Government is pioneering the use
12 of a fully digitized yuan, which is set to be the
13 world’s first central bank backed digital currency,
14 and the People’s Bank of China and the Hong Kong
15 Monetary Authority have already begun testing the
16 cross-border functionality of the digital currency.

17 **SEC. 30132. REPORT ON IMPORTANCE OF AMERICAN FINAN-**
18 **CIAL STRENGTH FOR GLOBAL LEADERSHIP.**

19 (a) SENSE OF CONGRESS.—It is the sense of Con-
20 gress that—

21 (1) the dominance of the dollar as the global re-
22 serve currency has yielded significant benefits to the
23 United States and the American people by allowing
24 the United States to maintain economic independ-

1 ence, better control its monetary policy, and finance
2 government outlays;

3 (2) American global leadership has benefited
4 from the United States monetary stability, credit-
5 worthiness, deep capital markets, and financial tech-
6 nology innovations;

7 (3) effective diplomacy and safeguarding of
8 American national security rely on the United States
9 role as the global financial leader, hub of global
10 trade, and source of economic opportunity;

11 (4) by cracking down on dissent in the key fi-
12 nancial center of Hong Kong, driving the creation of
13 a technology focused stock exchange, and pushing
14 forward a Central Bank digital currency, the Peo-
15 ple's Republic of China is attempting to become the
16 leading hub of finance in the world; and

17 (5) the United States must maintain its posi-
18 tion as a global financial leader to continue its
19 broader global leadership role around the world.

20 (b) REPORT.—Not later than 180 days after the date
21 of the enactment of this Act, the Secretary of State, in
22 coordination with the Secretary of the Treasury, shall sub-
23 mit to the appropriate committees of Congress a report
24 that—

1 (1) lists and examines the benefits to American
2 foreign policy that derive from the United States fi-
3 nancial leadership and the dollar's status as the
4 world's global reserve currency;

5 (2) describes the actions taken by the People's
6 Republic of China that could cement China's role as
7 the world's leading financial center;

8 (3) analyzes the possible impact on American
9 national security and foreign policy were the yuan to
10 supplant the dollar as the world's leading reserve
11 currency;

12 (4) outlines how the United States can work
13 diplomatically with allies, partners, and other na-
14 tions to preserve a financial system that is free,
15 open, and fair; and

16 (5) identifies steps the United States can take
17 to preserve its status as the world's leading financial
18 center and maintain the dollar's position as the glob-
19 al reserve currency.

20 (c) APPROPRIATE COMMITTEES OF CONGRESS DE-
21 FINED.—In this section, the term “appropriate commit-
22 tees of Congress” means—

23 (1) the Committee on Foreign Affairs, the
24 Committee on Financial Services, and the Com-

1 mittee on Ways and Means of the House of Rep-
2 resentatives; and

3 (2) the Committee on Foreign Relations, the
4 Committee on Banking, Housing, and Urban Af-
5 fairs, and the Committee on Finance of the Senate.

6 **SEC. 30133. REVIEW OF CHINESE COMPANIES ON UNITED**
7 **STATES CAPITAL MARKETS.**

8 (a) REPORT.—

9 (1) IN GENERAL.—Not later than 180 days
10 after the date of the enactment of this Act, the Sec-
11 retary of the Treasury, in consultation with the Sec-
12 retary of State and in consultation with and with
13 support from the Securities and Exchange Commis-
14 sion, shall submit a report to the Committees on Fi-
15 nancial Services and Foreign Affairs of the House of
16 Representatives and the Committees on Banking,
17 Housing, and Urban Affairs and Foreign Relations
18 of the Senate that describes the capital raising ac-
19 tivities in the United States of companies incor-
20 porated in the PRC and companies incorporated out-
21 side PRC that predominantly invest in companies in-
22 corporated in the PRC. The report should discuss
23 risks to the United States national security posed by
24 the capital raising activities of these companies.

1 (2) MATTERS TO BE INCLUDED.—The report
2 shall—

3 (A) identify companies that—

4 (i) are incorporated in the PRC that
5 issue registered securities or are listed or
6 traded on one or several stock exchanges
7 within the United States, including
8 through the use of American depository re-
9 cepts, variable interest entity structures,
10 over-the-counter market, or “A Shares”, or
11 are otherwise added to indexes and ex-
12 change-traded funds out of mainland ex-
13 changes in the PRC;

14 (ii) are incorporated in the PRC that
15 issue unregistered securities within the
16 United States;

17 (iii) are incorporated outside of PRC
18 but predominantly invest in companies in-
19 corporated within the PRC, including com-
20 panies that raise capital through the var-
21 ious exemptions available under the securi-
22 ties laws of the United States; or

23 (iv) based on the factors for consider-
24 ation described in paragraph (3), have
25 knowingly and materially contributed to—

1 (I) activities that undermine
2 United States national security;

3 (II) serious abuses of internation-
4 ally recognized human rights; or

5 (III) a substantially increased fi-
6 nancial risk exposure for United
7 States-based investors;

8 (B) describe the activities of the companies
9 identified pursuant to subparagraph (A), and
10 their implications for the United States; and

11 (C) develop policy recommendations for the
12 United States Government and State govern-
13 ments to address the risks posed by companies
14 identified pursuant to subparagraph (A).

15 (3) FACTORS FOR INCLUSION OF A COMPANY.—

16 In completing the report under paragraph (1), the
17 Secretary shall consider whether a company identi-
18 fied pursuant to paragraph (2)(A)—

19 (A) has materially contributed to the devel-
20 opment or manufacture, or sold or facilitated
21 procurement by the People's Liberation Army,
22 of lethal military equipment or component parts
23 of such equipment;

1 (B) has contributed to the construction
2 and militarization of features in the South
3 China Sea;

4 (C) has been sanctioned by the United
5 States or has been determined to have con-
6 ducted business with sanctioned entities;

7 (D) has engaged in an act or a series of
8 acts of intellectual property theft;

9 (E) has engaged in corporate or economic
10 espionage;

11 (F) has contributed to the proliferation of
12 nuclear or missile technology in violation of
13 United Nations Security Council resolutions or
14 United States sanctions;

15 (G) has contributed to the repression of re-
16 ligious and ethnic minorities within the PRC,
17 including in the Xinjiang Uyghur Autonomous
18 Region or the Tibet Autonomous Region;

19 (H) has contributed to the development of
20 technologies that enable censorship directed or
21 directly supported by the Government of the
22 PRC; and

23 (I) has contributed to other activities or
24 behavior determined to be relevant by the Presi-
25 dent.

1 (b) REPORT FORM.—The report required under this
2 section shall be submitted in unclassified form.

3 (c) PUBLICATION.—The unclassified portion of the
4 report required under this section shall be made accessible
5 to the public online through relevant United States Gov-
6 ernment websites.

7 **SEC. 30134. REPORT ON THE IMPLICATIONS OF CHANGES**
8 **TO CROSS-BORDER PAYMENT AND FINAN-**
9 **CIAL MESSAGING SYSTEMS.**

10 (a) REPORT.—

11 (1) IN GENERAL.—Not later than 180 days
12 after the date of the enactment of this Act, the Sec-
13 retary of the Treasury, in coordination with the Sec-
14 retary of State, shall submit a report to the Commit-
15 tees on Financial Services and Foreign Affairs of
16 the House of Representatives and the Committees
17 on Banking, Housing, and Urban Affairs and For-
18 eign Relations of the Senate on the implications of
19 cross-border payment systems.

20 (2) MATTERS TO BE INCLUDED.—The report
21 shall—

22 (A) examine the benefits and concerns re-
23 lated to the use of the current cross-border pay-
24 ments system, including the messaging systems;

1 (B) review and analyze ways in which the
2 Cross Border Interbank Payment Systems
3 (CIPS), cryptocurrencies, and foreign central
4 bank digital currencies could erode this system;
5 and

6 (C) analyze how changes to global cross-
7 border payment systems could undermine
8 United States national security interests includ-
9 ing impacts on the efficacy of sanctions, the
10 countering of terrorist finance, and the enforce-
11 ment of anti-money laundering provisions.

12 (b) REPORT FORM.—The report required under sub-
13 section (a)(1) shall be submitted in classified form.

14 **TITLE II—INVESTING IN**
15 **ALLIANCES AND PARTNERSHIPS**
16 **Subtitle A—Strategic and**
17 **Diplomatic Matters**

18 **SEC. 30201. APPROPRIATE COMMITTEES OF CONGRESS DE-**
19 **FINED.**

20 In this subtitle, the term “appropriate committees of
21 Congress” means—

22 (1) the Committee on Foreign Relations, the
23 Committee on Armed Services, and the Committee
24 on Appropriations of the Senate; and

1 (2) the Committee on Foreign Affairs, the
2 Committee on Armed Services, and the Committee
3 on Appropriations of the House of Representatives.

4 **SEC. 30202. UNITED STATES COMMITMENT AND SUPPORT**
5 **FOR ALLIES AND PARTNERS IN THE INDO-PA-**
6 **CIFIC.**

7 (a) SENSE OF CONGRESS.—It is the sense of Con-
8 gress that—

9 (1) the United States treaty alliances in the
10 Indo-Pacific provide a unique strategic advantage to
11 the United States and are among the Nation’s most
12 precious assets, enabling the United States to ad-
13 vance its vital national interests, defend its territory,
14 establish enduring cooperation with allies while seek-
15 ing to establish new partnerships, prevent the domi-
16 nation of the Indo-Pacific and its surrounding mari-
17 time and air lanes by a hostile power or powers, and
18 deter potential aggressors;

19 (2) the Governments of the United States,
20 Japan, South Korea, Australia, the Philippines, and
21 Thailand are critical allies in advancing a free and
22 open order in the Indo-Pacific region and tackling
23 challenges with unity of purpose, and have collabo-
24 rated to advance specific efforts of shared interest in

1 areas such as defense and security, infrastructure
2 connectivity, and fundamental freedoms;

3 (3) the United States greatly values other part-
4 nerships in the Indo-Pacific region, including with
5 India, Singapore, Indonesia, Taiwan, New Zealand,
6 and Vietnam, as well as its trilateral and quadrilat-
7 eral dialogues, and regional architecture such as the
8 Association of Southeast Asian Nations (ASEAN),
9 and the Asia-Pacific Economic Cooperation, which
10 are essential to further shared interests;

11 (4) the security environment in the Indo-Pacific
12 demands consistent United States and allied com-
13 mitment to strengthening and advancing alliances so
14 that they are postured to meet these challenges, and
15 will require sustained political will, concrete partner-
16 ships, economic, commercial, technological, and secu-
17 rity cooperation, consistent and tangible commit-
18 ments, high-level and extensive consultations on
19 matters of mutual interest, mutual and shared co-
20 operation in the acquisition of key capabilities im-
21 portant to allied defenses, and unified mutual sup-
22 port in the face of political, economic, or military co-
23 ercion;

24 (5) fissures in the United States alliance rela-
25 tionships and partnerships benefit United States ad-

1 versaries and weaken the collective ability to advance
2 shared interests;

3 (6) the United States must work with allies to
4 prioritize human rights throughout the Indo-Pacific
5 region;

6 (7) as the report released in August 2020 by
7 the Expert Group of the International Military
8 Council on Climate and Security (IMCCS), entitled
9 “Climate and Security in the Indo-Asia Pacific”
10 noted, the Indo-Pacific region is one of the regions
11 most vulnerable to climate impacts, and as former
12 Deputy Under Secretary of Defense for Installations
13 and Environment Sherri Goodman, Secretary Gen-
14 eral of IMCCS, noted, climate shocks act as a threat
15 multiplier in the Indo-Pacific region, increasing hu-
16 manitarian response costs and impacting security
17 throughout the region as sea levels rise, fishing pat-
18 terns shift, food insecurity rises, and storms grow
19 stronger and more frequent;

20 (8) the United State should continue to engage
21 on and deepen cooperation with allies and partners
22 of the United States in the Indo-Pacific region, as
23 laid out in the Asia Reassurance Initiative Act (Pub-
24 lic Law 115–409), in the areas of—

25 (A) forecasting environmental challenges;

1 (B) assisting with transnational coopera-
2 tion on sustainable uses of forest and water re-
3 sources with the goal of preserving biodiversity
4 and access to safe drinking water;

5 (C) fisheries and marine resource conserva-
6 tion; and

7 (D) meeting environmental challenges and
8 developing resilience;

9 (9) the Secretary of State, in coordination with
10 the Secretary of Defense and the Administrator of
11 the United States Agency for International Develop-
12 ment, should facilitate a robust interagency Indo-Pa-
13 cific climate resiliency and adaptation strategy fo-
14 cusing on internal and external actions needed—

15 (A) to facilitate regional early recovery,
16 risk reduction, and resilience to weather-related
17 impacts on strategic interests of the United
18 States and partners and allies of the United
19 States in the region; and

20 (B) to address humanitarian and food se-
21 curity impacts of weather-related changes in the
22 region; and

23 (10) ASEAN centrality and ASEAN-led mecha-
24 nisms remain essential to the evolving institutional
25 architecture of the Indo-Pacific region.

1 (b) STATEMENT OF POLICY.—It shall be the policy
2 of the United States—

3 (1) to deepen diplomatic, economic, and secu-
4 rity cooperation with and among United States allies
5 in the Indo-Pacific, as appropriate, including
6 through diplomatic engagement, regional develop-
7 ment, energy security and development, scientific
8 and health partnerships, educational and cultural ex-
9 changes, intelligence-sharing, and other diplomatic
10 and defense-related initiatives;

11 (2) to uphold the United States multilateral
12 and bilateral treaty obligations, including—

13 (A) defending Japan consistent with the
14 Treaty of Mutual Cooperation and Security Be-
15 tween the United States of America and Japan,
16 done at Washington, January 19, 1960, and all
17 related and subsequent bilateral security agree-
18 ments and arrangements concluded on or before
19 the date of enactment of this Act;

20 (B) defending the Republic of Korea con-
21 sistent with the Mutual Defense Treaty Be-
22 tween the United States and the Republic of
23 Korea, done at Washington, October 1, 1953,
24 and all related and subsequent bilateral security

1 agreements and arrangements concluded on or
2 before the date of enactment of this Act;

3 (C) defending the Philippines consistent
4 with article IV of the Mutual Defense Treaty
5 Between the United States and the Republic of
6 the Philippines, done at Washington, August
7 30, 1951, and all related and subsequent bilat-
8 eral security agreements and arrangements con-
9 cluded on or before the date of enactment of
10 this Act;

11 (D) defending Thailand consistent with the
12 Southeast Asia Collective Defense Treaty (“Ma-
13 nila Pact”), done at Manila, September 8,
14 1954, understanding thereto the Thanat-Rusk
15 communique of 1962, and all related and subse-
16 quent bilateral security agreements and ar-
17 rangements concluded on or before the date of
18 enactment of this Act; and

19 (E) defending Australia consistent with the
20 Security Treaty Between Australia and the
21 United States of America, done at San Fran-
22 cisco, September 1, 1951, and all related and
23 subsequent bilateral security agreements and
24 arrangements concluded on or before the date
25 of enactment of this Act;

1 (3) to strengthen and deepen the United States’
2 bilateral and regional partnerships, including with
3 India, Taiwan, ASEAN, and New Zealand;

4 (4) to cooperate with allies and partners to pro-
5 mote human rights across the Indo-Pacific region bi-
6 laterally and through regional and multilateral fora
7 and pacts;

8 (5) to strengthen and advance diplomatic, eco-
9 nomic, and security cooperation with regional part-
10 ners, such as Taiwan, Vietnam, Malaysia, Singapore,
11 Indonesia, and India; and

12 (6) to collaborate and cooperate on the sustain-
13 able development of the Mekong River Basin, includ-
14 ing by providing support for environmental conserva-
15 tion and protection initiatives in the Mekong sub-re-
16 gion and through assistance to Cambodia, Laos,
17 Thailand, and Vietnam, whose governments com-
18 prise the Mekong River Commission (MRC). United
19 States efforts should focus on increasing MRC mem-
20 ber countries’ capacity in the sustainable conserva-
21 tion and management of natural resources.

22 **SEC. 30203. BOOSTING QUAD COOPERATION.**

23 (a) SENSE OF CONGRESS.—It is the sense of Con-
24 gress that—

1 (1) as a Pacific power, the United States should
2 continue to strengthen its cooperation with Aus-
3 tralia, India, and Japan, (commonly referred to as
4 the Quadrilateral Security Dialogue or “Quad”) to
5 enhance and implement a shared vision to meet re-
6 gional challenges and to promote a free, open, inclu-
7 sive, resilient, and healthy Indo-Pacific, character-
8 ized by respect for democratic norms, rule of law,
9 and market-driven economic growth, and that is free
10 from undue influence and coercion;

11 (2) the United States should expand dialogue
12 and cooperation through the Quad with a range of
13 partners to support the rule of law, freedom of navi-
14 gation and overflight, peaceful resolution of disputes,
15 democratic values, and territorial integrity, and to
16 uphold peace and prosperity and strengthen demo-
17 cratic resilience in the Indo-Pacific;

18 (3) the recent pledge from the first-ever Quad
19 leaders meeting on March 12, 2021, to respond to
20 the economic and health impacts of COVID–19, in-
21 cluding expanding safe, affordable, and effective vac-
22 cine production and equitable access, and to address
23 shared challenges, including in cyberspace, critical
24 technologies, counterterrorism, quality infrastructure
25 investment, and humanitarian assistance and dis-

1 aster relief, as well as maritime domains, further ad-
2 vances the important cooperation among Quad na-
3 tions that is so critical to the Indo-Pacific region;

4 (4) building upon their announced commitment
5 to finance 1,000,000,000 or more COVID–19 vac-
6 cines by the end of 2022 for use in the Indo-Pacific
7 region, the United States International Development
8 Finance Corporation, the Japan International Co-
9 operation Agency, and the Japan Bank for Inter-
10 national Cooperation, including through partnerships
11 other multilateral development banks, should also
12 venture to finance development and infrastructure
13 projects in the Indo-Pacific region that are competi-
14 tive, transparent, and sustainable;

15 (5) the United States should participate in the
16 Resilient Supply Chain Initiative launched by Aus-
17 tralia, Japan, and India in 2020, along with similar
18 initiatives that relocate supply chains in the health,
19 economic, and national security sectors to the
20 United States, its Quad partners, and other like-
21 minded countries; and

22 (6) the formation of a Quad Intra-Parliamen-
23 tary Working Group could—

1 (A) sustain and deepen engagement be-
2 tween senior officials of the Quad countries on
3 a full spectrum of issues; and

4 (B) be modeled on the successful and long-
5 standing bilateral intra-parliamentary groups
6 between the United States and Mexico, Canada,
7 and the United Kingdom, as well as other for-
8 mal and informal parliamentary exchanges.

9 (b) REPORTING REQUIREMENT.—

10 (1) IN GENERAL.—Not later than 180 days
11 after the date of the enactment of this Act, the Sec-
12 retary of State shall submit to the appropriate con-
13 gressional committees a strategy for bolstering en-
14 gagement and cooperation with the Quad.

15 (2) MATTERS TO BE INCLUDED.—The strategy
16 required by paragraph (1) shall include the fol-
17 lowing:

18 (A) A description of how the United States
19 intends to demonstrate democratic leadership in
20 the Indo-Pacific through quadrilateral engage-
21 ment with India, Japan, and Australia on
22 shared interests and common challenges.

23 (B) A summary of—

24 (i) current and past Quad initiatives
25 across the whole of the United States Gov-

1 ernment, including to promote broad based
2 and inclusive economic growth and invest-
3 ment, and to advance technology coopera-
4 tion, energy innovation, climate mitigation
5 and adaptation, physical and digital infra-
6 structure development, education, disaster
7 management, and global health security;

8 (ii) proposals shared among Quad
9 countries to deepen existing security co-
10 operation, intelligence sharing, economic
11 partnerships, and multilateral coordination;
12 and

13 (iii) initiatives and agreements under-
14 taken jointly with Quad countries, in addi-
15 tion to other like-minded partners in the
16 Indo-Pacific, on areas of shared interest.

17 (C) A description of efforts to jointly—

18 (i) expand ongoing COVID–19 co-
19 operation to prepare for the next pandemic
20 by focusing on medium-term vaccine and
21 medical supply production and building a
22 broader dialogue on global public health;

23 (ii) combat economic coercion, deepen
24 regional economic engagement and integra-

1 tion, and strengthen regional rules and
2 standards around investment;

3 (iii) strengthen climate actions on
4 mitigation, adaptation, resilience, tech-
5 nology, capacity-building, and climate fi-
6 nance;

7 (iv) facilitate the development of qual-
8 ity infrastructure in the Indo-Pacific
9 through joint financing, investment, tech-
10 nical assistance, and standards setting;

11 (v) enhance joint maritime security
12 and maritime domain awareness initiatives
13 to protect the maritime commons and sup-
14 port international law and freedom of navi-
15 gation in the Indo-Pacific; and

16 (vi) develop international technology
17 standards and share or co-develop new in-
18 novative technologies of the future.

19 **SEC. 30204. ESTABLISHMENT OF QUAD INTRA-PARLIAMEN-**
20 **TARY WORKING GROUP.**

21 (a) **ESTABLISHMENT.**—Not later than 30 days after
22 the date of the enactment of this Act, the Secretary of
23 State shall seek to enter into negotiations with the govern-
24 ments of Japan, Australia, and India (collectively, with the
25 United States, known as the “Quad”) with the goal of

1 reaching a written agreement to establish a Quad Intra-
2 Parliamentary Working Group to facilitate closer coopera-
3 tion on shared interests and values.

4 (b) UNITED STATES GROUP.—

5 (1) IN GENERAL.—At such time as the govern-
6 ments of the Quad countries enter into a written
7 agreement described in subsection (a) to establish a
8 Quad Intra-Parliamentary Working Group, there
9 shall be established a United States Group, which
10 shall represent the United States at the Quad Intra-
11 Parliamentary Working Group.

12 (2) MEMBERSHIP.—

13 (A) IN GENERAL.—The United States
14 Group shall be comprised of not more than 24
15 Members of Congress.

16 (B) APPOINTMENT.—Of the Members of
17 Congress appointed to the United States Group
18 under subparagraph (A)—

19 (i) half shall be appointed by the
20 Speaker of the House of Representatives
21 from among Members of the House, not
22 fewer than four of whom shall be members
23 of the Committee on Foreign Affairs; and

24 (ii) half shall be appointed by the
25 President Pro Tempore of the Senate,

1 based on recommendations of the majority
2 leader and minority leader of the Senate,
3 from among Members of the Senate, not
4 fewer than four of whom shall be members
5 of the Committee on Foreign Relations
6 (unless the majority leader and minority
7 leader determine otherwise).

8 (3) MEETINGS.—

9 (A) IN GENERAL.—The United States
10 Group shall seek to meet not less frequently
11 than annually with representatives and appro-
12 priate staff of the legislatures of Japan, Aus-
13 tralia, and India, and any other country invited
14 by mutual agreement of the Quad countries.

15 (B) LIMITATION.—A meeting described in
16 subparagraph (A) may be held—

17 (i) in the United States;

18 (ii) in another Quad country during
19 periods when Congress is not in session; or

20 (iii) virtually.

21 (4) CHAIRPERSON AND VICE CHAIRPERSON.—

22 (A) HOUSE DELEGATION.—The Speaker of
23 the House of Representatives shall designate
24 the chairperson or vice chairperson of the dele-
25 gation of the United States Group from the

1 House from among members of the Committee
2 on Foreign Affairs.

3 (B) SENATE DELEGATION.—The President
4 Pro Tempore of the Senate shall designate the
5 chairperson or vice chairperson of the delega-
6 tion of the United States Group from the Sen-
7 ate from among members of the Committee on
8 Foreign Relations.

9 (5) AUTHORIZATION OF APPROPRIATIONS.—

10 (A) IN GENERAL.—There is authorized to
11 be appropriated \$1,000,000 for each fiscal
12 years 2022 through 2025 for the United States
13 Group.

14 (B) DISTRIBUTION OF APPROPRIATIONS.—

15 (i) IN GENERAL.—For each fiscal year
16 for which an appropriation is made for the
17 United States Group, half of the amount
18 appropriated shall be available to the dele-
19 gation from the House of Representatives
20 and half of the amount appropriated shall
21 be available to the delegation from the
22 Senate.

23 (ii) METHOD OF DISTRIBUTION.—The
24 amounts available to the delegations of the
25 House of Representatives and the Senate

1 under clause (i) shall be disbursed on
2 vouchers to be approved by the chairperson
3 of the delegation from the House of Rep-
4 resentatives and the chairperson of the del-
5 egation from the Senate, respectively.

6 (6) PRIVATE SOURCES.—The United States
7 Group may accept gifts or donations of services or
8 property, subject to the review and approval, as ap-
9 propriate, of the Committee on Ethics of the House
10 of Representatives and the Committee on Ethics of
11 the Senate.

12 (7) CERTIFICATION OF EXPENDITURES.—The
13 certificate of the chairperson of the delegation from
14 the House of Representatives or the delegation of
15 the Senate of the United States Group shall be final
16 and conclusive upon the accounting officers in the
17 auditing of the accounts of the United States Group.

18 (8) ANNUAL REPORT.—The United States
19 Group shall submit to the Committee on Foreign Af-
20 fairs of the House of Representatives and the Com-
21 mittee on Foreign Relations of the Senate a report
22 for each fiscal year for which an appropriation is
23 made for the United States Group, including a de-
24 scription of its expenditures under such appropria-
25 tion.

1 **SEC. 30205. STATEMENT OF POLICY ON COOPERATION**
2 **WITH ASEAN.**

3 It is the policy of the United States to—

4 (1) stand with the nations of the Association of
5 Southeast Asian Nations (ASEAN) as they respond
6 to COVID–19 and support greater cooperation in
7 building capacity to prepare for and respond to
8 pandemics and other public health challenges;

9 (2) support high-level United States participa-
10 tion in the annual ASEAN Summit held each year;

11 (3) reaffirm the importance of United States-
12 ASEAN economic engagement and support the
13 ASEAN Economic Community’s (AEC) goals, in-
14 cluding strong, inclusive, and sustainable long-term
15 economic growth and cooperation with the United
16 States that focuses on innovation and capacity-build-
17 ing efforts in technology, education, disaster man-
18 agement, food security, and human rights, particu-
19 larly for ASEAN’s poorest countries;

20 (4) urge ASEAN to continue its efforts to fos-
21 ter greater integration and unity within the ASEAN
22 community, as well as to foster greater integration
23 and unity with non-ASEAN economic, political, and
24 security partners, including Japan, the Republic of
25 Korea, Australia, the European Union, and India;

1 (5) recognize the value of strategic economic
2 initiatives such as United States-ASEAN Connect,
3 which demonstrates a commitment to ASEAN and
4 the AEC and builds upon economic relationships in
5 the region;

6 (6) support ASEAN nations in addressing mar-
7 itime and territorial disputes in a constructive man-
8 ner and in pursuing claims through peaceful, diplo-
9 matic, and, as necessary, legitimate regional and
10 international arbitration mechanisms, consistent
11 with international law, including through the adop-
12 tion of a code of conduct in the South China Sea
13 that represents the interests of all parties and pro-
14 motes peace and stability in the region;

15 (7) urge all parties involved in the maritime
16 and territorial disputes in the Indo-Pacific region,
17 including the Government of the People's Republic
18 of China—

19 (A) to cease any current activities, and
20 avoid undertaking any actions in the future,
21 that undermine stability, or complicate or esca-
22 late disputes through the use of coercion, in-
23 timidation, or military force;

24 (B) to demilitarize islands, reefs, shoals,
25 and other features, and refrain from new ef-

1 forts to militarize, including the construction of
2 new garrisons and facilities and the relocation
3 of additional military personnel, material, or
4 equipment;

5 (C) to oppose actions by any country that
6 prevent other countries from exercising their
7 sovereign rights to the resources in their exclu-
8 sive economic zones and continental shelves by
9 enforcing claims to those areas in the South
10 China Sea that lack support in international
11 law; and

12 (D) to oppose unilateral declarations of ad-
13 ministrative and military districts in contested
14 areas in the South China Sea;

15 (8) urge parties to refrain from unilateral ac-
16 tions that cause permanent physical damage to the
17 marine environment and support the efforts of the
18 National Oceanic and Atmospheric Administration
19 and ASEAN to implement guidelines to address the
20 illegal, unreported, and unregulated fishing in the
21 region;

22 (9) urge ASEAN nations to develop a common
23 approach to encourage China and the Philippines to
24 comply with the decision of the Permanent Court of
25 Arbitration's 2016 ruling in favor of the Republic of

1 the Philippines in the case against the People's Re-
2 public of China's excessive maritime claims;

3 (10) reaffirm the commitment of the United
4 States to continue joint efforts with ASEAN to halt
5 human smuggling and trafficking in persons and
6 urge ASEAN to create and strengthen regional
7 mechanisms to provide assistance and support to
8 refugees and migrants;

9 (11) support the Mekong-United States Part-
10 nership;

11 (12) support newly created initiatives with
12 ASEAN nations, including the United States-
13 ASEAN Smart Cities Partnership, the ASEAN Pol-
14 icy Implementation Project, the United States-
15 ASEAN Innovation Circle, and the United States-
16 ASEAN Health Futures;

17 (13) encourage the President to communicate
18 to ASEAN leaders the importance of promoting the
19 rule of law and open and transparent government,
20 strengthening civil society, and protecting human
21 rights, including releasing political prisoners, ceasing
22 politically motivated prosecutions and arbitrary
23 killings, and safeguarding freedom of the press, free-
24 dom of assembly, freedom of religion, and freedom
25 of speech and expression;

1 (14) support efforts by organizations in
2 ASEAN that address corruption in the public and
3 private sectors, enhance anti-bribery compliance, en-
4 force bribery criminalization in the private sector,
5 and build beneficial ownership transparency through
6 the ASEAN–USAID PROSPECT project partnered
7 with the South East Asia Parties Against Corrup-
8 tion (SEA–PAC);

9 (15) support the Young Southeast Asian Lead-
10 ers Initiative as an example of a people-to-people
11 partnership that provides skills, networks, and lead-
12 ership training to a new generation that will create
13 and fill jobs, foster cross-border cooperation and
14 partnerships, and rise to address the regional and
15 global challenges of the future;

16 (16) support the creation of initiatives similar
17 to the Young Southeast Asian Leaders Initiative for
18 other parts of the Indo-Pacific to foster people-to-
19 people partnerships with an emphasis on civil society
20 leaders;

21 (17) acknowledge those ASEAN governments
22 that have fully upheld and implemented all United
23 Nations Security Council resolutions and inter-
24 national agreements with respect to the Democratic
25 People’s Republic of Korea’s nuclear and ballistic

1 missile programs and encourage all other ASEAN
2 governments to do the same; and

3 (18) allocate appropriate resources across the
4 United States Government to articulate and imple-
5 ment an Indo-Pacific strategy that respects and sup-
6 ports the crucial role of ASEAN and supports
7 ASEAN as a source of well-functioning and prob-
8 lem-solving regional architecture in the Indo-Pacific
9 community.

10 **SEC. 30206. YOUNG SOUTHEAST ASIAN LEADERS INITIA-**
11 **TIVE.**

12 (a) **SHORT TITLE.**—This section may be cited as the
13 “Young Southeast Asian Leaders Initiative Act” or the
14 “YSEALI Act”.

15 (b) **YOUNG SOUTHEAST ASIAN LEADERS INITIA-**
16 **TIVE.**—

17 (1) **ESTABLISHMENT.**—There is established in
18 the Department of State the Young Southeast Asian
19 Leaders Initiative (“YSEALI”) program.

20 (2) **GOALS.**—The YSEALI program shall seek
21 to build to capacity of young leaders in Southeast
22 Asia to—

23 (A) support young leaders from Southeast
24 Asia by offering professional development and a
25 global network to share expertise, including in

1 the areas of civic engagement, economic em-
2 powerment and social entrepreneurship, edu-
3 cation and environmental issues; and

4 (B) further strengthen the enduring part-
5 nership between the United States and South-
6 east Asia and connect United States experts
7 with YSEALI participants.

8 (3) YSEALI PROGRAMS.—

9 (A) YSEALI ACADEMIC FELLOWS PRO-
10 GRAM.—There is established the YSEALI Aca-
11 demic Fellows Program to bring students from
12 YSEALI partner countries to the United States
13 for the purposes of building practical expertise,
14 leadership skills, and professional networks re-
15 lating to one or more of the YSEALI themes.
16 The Secretary of State may award fellowships
17 under the Academic Fellows Program to eligible
18 individuals based on the following:

19 (i) Citizenship and residency in a
20 YSEALI partner country.

21 (ii) Status as a full-time under-
22 graduate student, or recent graduate of
23 college, university, or other institutions of
24 higher learning.

1 (iii) Other criteria determined appro-
2 priate by the Secretary.

3 (B) YSEALI PROFESSIONAL FELLOWS
4 PROGRAM.—There is established the YSEALI
5 Professional Fellows Program to bring profes-
6 sionals from YSEALI partner countries to the
7 United States for the purposes of building prac-
8 tical expertise, leadership skills, and profes-
9 sional networks relating to one or more of the
10 YSEALI themes. The Secretary of State may
11 award fellowships under the Professional Fel-
12 lows Program to eligible individuals based on
13 the following:

14 (i) Citizenship and residency in a
15 YSEALI partner country.

16 (ii) Status as an emerging leader in
17 government, civil society, or the private
18 sector, and demonstrated expertise relating
19 to one or more of the YSEALI themes.

20 (iii) Current employment, and two or
21 more years of professional work experience
22 relevant to one or more YSEALI themes.

23 (iv) Other criteria determined appro-
24 priate by the Secretary.

1 (C) OTHER INITIATIVES.—The Secretary
2 of State may designate other initiatives as
3 YSEALI initiatives under this section if they
4 advance the goals of the YSEALI program as
5 described in paragraph (2).

6 (4) ACTIVITIES.—

7 (A) UNITED STATES-BASED ACTIVITIES.—
8 The Secretary of State shall oversee all United
9 States-based activities carried out under the
10 YSEALI program, including the participation
11 of YSEALI Academic Fellows in a program at
12 a United States university or college, and the
13 participation of YSEALI Professional Fellows
14 at United States private and public sector orga-
15 nizations for individually-tailored work place-
16 ments. Both fellowships may include site visits,
17 professional networking opportunities, leader-
18 ship training, community service, and organized
19 cultural activities, as appropriate.

20 (B) SOUTHEAST ASIA-BASED ACTIVI-
21 TIES.—The Secretary of State should continue
22 to support overseas initiatives of the program,
23 including the following:

1 (i) Quality leadership training, profes-
2 sional development, and networking oppor-
3 tunities for YSEALI alumni.

4 (ii) Reciprocal exchanges for YSEALI
5 Professional Fellows Program's United
6 States professional hosts and interlocutors
7 to support post-United States exchange ac-
8 tion plans and other related public diplo-
9 macy goals, as appropriate.

10 (iii) Opportunities for networking with
11 YSEALI alumni and professionals and ex-
12 perts who are American and Southeast
13 Asian.

14 (iv) The YSEALI Regional Workshop
15 program, offering networking, mentoring,
16 hands-on training, and the tools necessary
17 to lead communities in addressing eco-
18 nomic, environmental, educational, and
19 civic engagement issues.

20 (v) The YSEALI Seeds for the Fu-
21 ture program, providing small, competitive
22 grants to young leaders in Southeast Asia
23 to improve their communities, countries,
24 and the region towards one or more of the
25 themes of civic engagement, economic em-

1 powerment and social entrepreneurship,
2 education, or environmental issues.

3 (vi) The YSEALI Academy at Ful-
4 bright University Vietnam, offering execu-
5 tive-level seminars for entry to mid-level
6 professionals around the themes of tech-
7 nology and innovation, public policy, and
8 entrepreneurship.

9 (vii) The YSEALI Women's Leader-
10 ship Academy Program, enhancing people-
11 to-people ties and engagement with young
12 and emerging leaders by promoting gender
13 equality and advancing the status of
14 women and girls, such as in the public
15 health sector

16 (C) ALUMNI PLATFORM.—The Secretary of
17 State is authorized to convene current YSEALI
18 participants and YSEALI alumni through a
19 platform to promote networking opportunities
20 within the YSEALI community.

21 (D) IMPLEMENTATION.—To carry out this
22 paragraph, United States diplomatic and con-
23 sular posts, the Secretary of State, and agency
24 external partners managing and implementing
25 the YSEALI program—

1 (i) shall promote United States policy
2 goals in Southeast Asia by providing tools
3 and resources to help young Southeast
4 Asian leaders develop important skills and
5 connections, including through online cam-
6 paigns and public diplomacy initiatives;

7 (ii) shall establish a system for moni-
8 toring, evaluating, and improving the
9 YSEALI program; and

10 (iii) may accept financial contribu-
11 tions from foundations, corporations, pri-
12 vate donors, program partners, and imple-
13 menting agency external partners intended
14 to foster the goals of the YSEALI pro-
15 gram.

16 (5) REPORTS.—

17 (A) STRATEGY.—The Secretary of State
18 shall submit to the appropriate congressional
19 committees a strategy for implementing the
20 YSEALI program, including the following:

21 (i) YSEALI program goals, targets,
22 and planned outcomes for each year and,
23 separately, for the YSEALI program gen-
24 erally during the duration of its implemen-
25 tation.

1 (ii) The continuation of YSEALI pro-
2 gram monitoring and evaluation plan, in-
3 cluding metrics for measuring YSEALI
4 program progress identification of annual
5 YSEALI program goals, and targets.

6 (B) ANNUAL REPORTS.—Not later than 1
7 year after the date of the enactment of this sec-
8 tion, and annually thereafter for 4 years, the
9 Secretary of State shall submit to the appro-
10 priate congressional committees and publish on
11 a publicly available website of the Department
12 a report on—

13 (i) YSEALI program progress and an
14 assessment of the metrics, goals, targets,
15 and outcomes described in subparagraph
16 (A)(i), including information relating to
17 YSEALI program implementation and out-
18 come activities during the year covered by
19 each report; and

20 (ii) recommendations for improve-
21 ments or amendments to the YSEALI pro-
22 gram and strategy, if any, that would im-
23 prove their effectiveness during subsequent
24 years of YSEALI program implementation.

1 (C) FINAL REPORT.—Not later than the
2 date of the submission of the last report re-
3 quired under subparagraph (B), the Secretary
4 of State shall submit to the appropriate con-
5 gressional committees a final assessment report
6 that evaluates YSEALI program implementa-
7 tion and outcomes during the entire duration of
8 YSEALI program operation, including rec-
9 ommendations regarding whether the YSEALI
10 program should be reauthorized and any
11 changes that would improve its effectiveness.

12 (6) DEFINITIONS.—In this section:

13 (A) APPROPRIATE CONGRESSIONAL COM-
14 MITTEES.—The term “appropriate congres-
15 sional committees” means—

16 (i) the Committee on Foreign Affairs
17 of the House of Representatives;

18 (ii) the Committee on Appropriations
19 of the House of Representatives;

20 (iii) the Committee on Foreign Rela-
21 tions of the Senate; and

22 (iv) the Committee on Appropriations
23 of the Senate.

24 (B) IMPLEMENTING AGENCY EXTERNAL
25 PARTNERS.—The term “implementing agency

1 external partners” means any external partner
2 that is not a United States Government agency,
3 and may include one or more of the following
4 entities:

5 (i) Local or multinational corpora-
6 tions.

7 (ii) Nongovernmental organizations.

8 (iii) Universities.

9 (iv) Regional institutions.

10 (C) YSEALI THEME.—The term
11 “YSEALI theme” means—

12 (i) civic engagement;

13 (ii) economic empowerment and social
14 entrepreneurship;

15 (iii) education;

16 (iv) environmental issues; or

17 (v) any other theme included by the
18 Secretary of State.

19 (D) YSEALI PARTNER COUNTRIES.—The
20 term “YSEALI partner countries” includes
21 each member country of the Association of
22 Southeast Asian Nations and each other coun-
23 try or political entity the Secretary of State de-
24 termines appropriate to include in the programs
25 established under this section.

1 **SEC. 30207. SENSE OF CONGRESS ON ENGAGEMENT WITH**
2 **G7 AND G20 COUNTRIES.**

3 It is the sense of Congress that the President, acting
4 through the Secretary of State, should initiate an agenda
5 with G7 and G20 countries on matters relevant to eco-
6 nomic and democratic freedoms, including relating to the
7 following:

8 (1) Building support for international infra-
9 structure standards, including standards agreed to
10 at the G20 summit in Osaka in 2018.

11 (2) The erosion of democracy and human
12 rights.

13 (3) The security of 5G telecommunications.

14 (4) Anti-competitive behavior, such as intellec-
15 tual property theft, massive subsidization of compa-
16 nies, and other policies and practices.

17 (5) Predatory international sovereign lending
18 that is inconsistent with Organisation for Economic
19 Cooperation and Development and Paris Club prin-
20 ciples.

21 (6) International influence campaigns.

22 (7) Environmental standards.

23 (8) Coordination with like-minded regional part-
24 ners that are not in the G7 and G20.

1 **SEC. 30208. ENHANCING THE UNITED STATES-TAIWAN**
2 **PARTNERSHIP.**

3 (a) STATEMENT OF POLICY.—It is the policy of the
4 United States—

5 (1) to support the close economic, political, and
6 security relationship between Taiwan and the United
7 States and recognize Taiwan as a vital part of the
8 approach to the United States Indo-Pacific;

9 (2) to advance the security of Taiwan and its
10 democracy a vital national security interest of the
11 United States;

12 (3) to reinforce all existing United States Gov-
13 ernment commitments to Taiwan, consistent with
14 the Taiwan Relations Act (Public Law 96–8) and
15 the “Six Assurances”;

16 (4) to support Taiwan’s implementation of its
17 asymmetric defense strategy, including the priorities
18 identified in Taiwan’s Overall Defense Concept;

19 (5) to urge Taiwan to increase its defense
20 spending in order to fully resource its defense strat-
21 egy;

22 (6) to conduct regular transfers of defense arti-
23 cles to Taiwan in order to enhance Taiwan’s self-de-
24 fense capabilities, particularly its efforts to develop
25 and integrate asymmetric capabilities, such as anti-
26 ship, coastal defense, anti-armor, air defense, ad-

1 vanced command, control, communications, com-
2 puters, intelligence, surveillance, and reconnaissance,
3 and resilient command and control capabilities, into
4 its military forces;

5 (7) to advocate and actively advance Taiwan's
6 meaningful participation in international organiza-
7 tions, including the World Health Assembly, the
8 International Civil Aviation Organization, the Inter-
9 national Criminal Police Organization, and other
10 international bodies as appropriate;

11 (8) to advocate for information sharing with
12 Taiwan in the International Agency for Research on
13 Cancer;

14 (9) to promote meaningful cooperation among
15 the United States, Taiwan, and other like-minded
16 partners;

17 (10) to enhance bilateral trade, through re-
18 sumption of talks under the Trade and Investment
19 Framework Agreement;

20 (11) to expand bilateral economic and techno-
21 logical cooperation, including improving supply chain
22 security;

23 (12) to support United States educational and
24 exchange programs with Taiwan, including by pro-

1 moting the study of Chinese language, culture, his-
2 tory, and politics in Taiwan; and

3 (13) to expand people-to-people exchanges be-
4 tween the United States and Taiwan.

5 (b) SUPPORTING UNITED STATES EDUCATIONAL
6 AND EXCHANGE PROGRAMS WITH TAIWAN.—

7 (1) ESTABLISHMENT OF THE UNITED STATES-
8 TAIWAN CULTURAL EXCHANGE FOUNDATION.—The
9 Secretary of State should consider establishing an
10 independent nonprofit entity that—

11 (A) is dedicated to deepening ties between
12 the future leaders of Taiwan and the United
13 States; and

14 (B) works with State and local school dis-
15 tricts and educational institutions in the United
16 States to send high school and university stu-
17 dents to Taiwan to study the Chinese language,
18 culture, history, politics, and other relevant sub-
19 jects.

20 (2) PARTNER.—State and local school districts
21 and educational institutions, including public univer-
22 sities, in the United States are encouraged to part-
23 ner with the Taipei Economic and Cultural Rep-
24 resentative Office in the United States to establish

1 programs to promote an increase in educational and
2 cultural exchanges.

3 **SEC. 30209. TAIWAN DIPLOMATIC REVIEW.**

4 (a) FINDINGS.—Congress finds the following:

5 (1) Pursuant to the Taiwan Relations Act (22
6 U.S.C. 3301(b)(1)), it is the policy of the United
7 States to “promote extensive, close, and friendly
8 commercial, cultural, and other relations between
9 the people of the United States and the people of
10 Taiwan”.

11 (2) In May 2019, the Taiwanese counterpart to
12 the American Institute in Taiwan, the Coordination
13 Council for North American Affairs, was renamed
14 the “Taiwan Council for U.S. Affairs”.

15 (3) It is the policy of the United States to refer
16 to Taiwan as “Taiwan”, not “Taipei” or “Chinese
17 Taipei”.

18 (4) The Taipei Economic and Cultural Rep-
19 resentative Office is inaptly named as it works to
20 cultivate the extensive, close, and friendly commer-
21 cial, cultural, and other relations between the people
22 of the United States and the people, organizations,
23 and enterprises of Taiwan, not merely those in Tai-
24 pei.

1 (b) NEGOTIATIONS TO RENAME TECRO.—Reflective
2 of the substantively deepening ties between Taiwan and
3 the United States, the Secretary of State shall seek to
4 enter into negotiations with appropriate officials of the
5 Taipei Economic and Cultural Representative Office in the
6 United States with the objective of renaming its office in
7 Washington, D.C., the Taiwan Representative Office in
8 the United States, and its subsidiary offices in the United
9 States, accordingly.

10 **SEC. 30210. TAIWAN PEACE AND STABILITY ACT.**

11 (a) SHORT TITLE.—This section may be cited as the
12 “Taiwan Peace and Stability Act”.

13 (b) DEFINITIONS.—In this section:

14 (1) APPROPRIATE CONGRESSIONAL COMMIT-
15 TEES.—The term “appropriate congressional com-
16 mittees” means—

17 (A) the Committee on Foreign Affairs of
18 the House of Representatives; and

19 (B) the Committee on Foreign Relations of
20 the Senate.

21 (2) INTERNATIONAL ORGANIZATION.—The term
22 “international organization” includes United Na-
23 tions funds, programs, specialized agencies, entities,
24 and bodies, as well as other organizations outside of
25 the United Nations system that the Secretary of

1 State determines appropriate, in consultation with
2 other relevant Federal departments and agencies.

3 (3) ONE-CHINA PRINCIPLE.—The term “One-
4 China Principle” means only the PRC’s policy to-
5 ward Taiwan.

6 (4) CIVIL SOCIETY ORGANIZATIONS.—The term
7 “civil society organizations” means international
8 civil society organizations that are critical to main-
9 taining Taiwan’s international space and enabling
10 Taiwan to play a positive and constructive role in
11 the global community.

12 (5) POTENTIAL PLA CAMPAIGNS.—The term
13 “potential PLA campaigns” means—

14 (A) a naval blockade of Taiwan;

15 (B) an amphibious assault and ground in-
16 vasion of Taiwan, especially such invasion de-
17 signed to accomplish a fiat accompli before
18 intervention is possible; or

19 (C) a seizure of one or more of Taiwan’s
20 outlying islands.

21 (c) FINDINGS.—Congress makes the following find-
22 ings:

23 (1) The United States has consistently sought
24 to advance peace and stability in East Asia as a cen-

1 tral element of United States foreign policy toward
2 the region.

3 (2) The Government of the People's Republic of
4 China (PRC), especially since the election of Tsai
5 Ing-Wen in 2016, has conducted a coordinated cam-
6 paign to weaken Taiwan diplomatically, economi-
7 cally, and militarily in a manner that threatens to
8 erode United States policy and create a fait accompli
9 on questions surrounding Taiwan's future.

10 (3) In order to ensure the longevity of United
11 States policy and preserve the ability of the people
12 of Taiwan to determine their future independently,
13 it is necessary to reinforce Taiwan's diplomatic, eco-
14 nomic, and physical space.

15 (4) Taiwan has provided monetary, humani-
16 tarian, and medical assistance to combat diseases
17 such as AIDS, tuberculosis, Ebola, and dengue fever
18 in countries around the world. During the COVID-
19 19 pandemic, Taiwan donated millions of pieces of
20 personal protective equipment and COVID-19 tests
21 to countries in need.

22 (5) Since 2016, the Gambia, São Tomé and
23 Príncipe, Panama, the Dominican Republic, Burkina
24 Faso, El Salvador, the Solomon Islands, and

1 Kiribati have severed diplomatic relations with Tai-
2 wan in favor of diplomatic relations with China.

3 (6) Taiwan was invited to participate in the
4 World Health Assembly (WHA), the decision-making
5 body of the World Health Organization, as an ob-
6 server annually between 2009 and 2016. Since the
7 2016 election of President Tsai, the PRC has in-
8 creasingly resisted Taiwan's participation in the
9 WHA. Taiwan was not invited to attend the WHA
10 in 2017, 2018, 2019, 2020, or 2021.

11 (7) The Taipei Flight Information Region re-
12 portedly served 1,750,000 flights and 68,900,000
13 passengers in 2018 and is home to Taiwan Taoyuan
14 International Airport, the 11th busiest airport in the
15 world. Taiwan has been excluded from participating
16 at the International Civil Aviation Organization
17 since 2013.

18 (8) United Nations General Assembly Resolu-
19 tion 2758 (1971) does not address the issue of rep-
20 resentation of Taiwan and its people at the United
21 Nations, nor does it give the PRC the right to rep-
22 resent the people on Taiwan.

23 (d) STATEMENT OF POLICY.—It is the policy of the
24 United States to—

1 (1) maintain the position that peace and sta-
2 bility in the Western Pacific are in the political, se-
3 curity, and economic interests of the United States,
4 and are matters of international concern; and

5 (2) work with allies and partners to promote
6 peace and stability in the Indo-Pacific and deter
7 military acts or other forms of coercive behavior that
8 would undermine regional stability.

9 (e) SENSE OF CONGRESS ON TAIWAN'S MEANINGFUL
10 PARTICIPATION IN THE INTERNATIONAL COMMUNITY.—

11 It is the sense of Congress that—

12 (1) Taiwan is free, democratic, and prosperous,
13 is home to 23,500,000 people, and is an important
14 contributor to the global community;

15 (2) multiple United States Government Admin-
16 istrations have taken important steps to advance
17 Taiwan's meaningful participation in international
18 organizations and to enhance cooperation with Tai-
19 wan to provide global public goods, including
20 through development assistance, humanitarian as-
21 sistance, and disaster relief in trilateral and multi-
22 lateral fora;

23 (3) nonetheless, significant structural, policy,
24 and legal barriers remain to advancing Taiwan's

1 meaningful participation in the international com-
2 munity; and

3 (4) efforts to share Taiwan’s expertise with
4 other parts of the global community could be further
5 enhanced through a systematic approach, along with
6 greater attention from Congress and the American
7 public to such efforts.

8 (f) STRATEGY TO SUPPORT TAIWAN’S MEANINGFUL
9 PARTICIPATION IN INTERNATIONAL ORGANIZATIONS.—

10 (1) IN GENERAL.—Not later than 180 days
11 after the date of the enactment of this section, the
12 Secretary of State, in consultation with other Fed-
13 eral departments and agencies as appropriate, shall
14 submit to the appropriate congressional committees
15 a strategy—

16 (A) to advance Taiwan’s meaningful par-
17 ticipation in a prioritized set of international
18 organizations; and

19 (B) that responds to growing pressure
20 from the PRC on foreign governments, inter-
21 national organizations, commercial actors, and
22 civil society organizations to comply with its
23 “One-China Principle” with respect to Taiwan.

24 (2) MATTERS TO BE INCLUDED.—The strategy
25 required under paragraph (1) shall include—

1 (A) an assessment of the methods the PRC
2 uses to coerce actors to into adhering to its
3 “One-China Principle”, including those em-
4 ployed against governments, international orga-
5 nizations, and civil society organizations and
6 pressure on commercial actors, to the extent
7 relevant in the context of Taiwan’s meaningful
8 participation international organizations;

9 (B) an assessment of the policies of foreign
10 governments toward the PRC and Taiwan, to
11 identify likeminded allies and partners who
12 might become public or private partners in the
13 strategy;

14 (C) a systematic analysis of all inter-
15 national organizations, as practicable, to iden-
16 tify those that best lend themselves to advanc-
17 ing Taiwan’s participation, including—

18 (i) the organization’s policy on the re-
19 quirements to obtain membership and ob-
20 server status, as well as the foundational
21 documents defining membership require-
22 ments and observer status within the orga-
23 nization;

24 (ii) the organization’s participation
25 rules;

1 (iii) the processes for developing mem-
2 bership requirements and participation
3 rules;

4 (iv) the policies of current members
5 regarding Taiwan's political status; and

6 (v) the organization's relative reliance
7 on contributions from the PRC and how it
8 may affect internal decision-making;

9 (D) an evaluation of the feasibility and ad-
10 visability of expanding economic, security, and
11 diplomatic engagement with countries that have
12 demonstrably strengthened, enhanced, or up-
13 graded relations with Taiwan, where it aligns
14 with United States interests;

15 (E) a survey of international organizations
16 that have allowed Taiwan's meaningful partici-
17 pation, including an assessment of whether any
18 erosion in Taiwan's engagement has occurred
19 within those organizations and how Taiwan's
20 participation has positively strengthened the ca-
21 pacity and activity of these organizations, pro-
22 viding positive models for Taiwan's inclusion in
23 other similar forums;

24 (F) a list of not more than 20 inter-
25 national organizations at which the United

1 States Government will prioritize using its
2 voice, vote, and influence to advance Taiwan's
3 meaningful participation over the three-year pe-
4 riod following the date of enactment of this Act,
5 to be derived from the organizations identified
6 pursuant to subparagraph (C); and

7 (G) a description of the diplomatic strate-
8 gies and the coalitions the United States Gov-
9 ernment plans to develop to implement subpara-
10 graph (F).

11 (3) FORM.—The strategy required under para-
12 graph (1) shall be submitted in classified form but
13 may include an unclassified summary.

14 (4) CONSULTATION.—The Secretary of State
15 and the heads of other Federal departments and
16 agencies as appropriate shall consult with the appro-
17 priate congressional committees and the Committee
18 on Ways and Means of the House of Representatives
19 and the Committee on Finance of the Senate—

20 (A) not later than 90 days after the date
21 of enactment of this Act, with respect to the
22 international organizations identified pursuant
23 to paragraph (2)(C); and

24 (B) not later than 180 days after the date
25 of the submission of the strategy required

1 under paragraph (1), and every 180 days there-
2 after for 2 years, regarding the development
3 and implementation of the strategy required.

4 (g) EXPANDING UNITED STATES-TAIWAN DEVELOP-
5 MENT COOPERATION.—

6 (1) IN GENERAL.—No later than 120 days after
7 the date of the enactment of this Act, the Adminis-
8 trator of the United States Agency for International
9 Development (USAID), in consultation with the
10 United States International Development Finance
11 Corporation (DFC), shall submit to the appropriate
12 congressional committees a report on cooperation
13 with Taiwan on trilateral and multilateral develop-
14 ment initiatives, through the American Institute in
15 Taiwan as appropriate.

16 (2) MATTERS TO BE INCLUDED.—The report
17 required in paragraph (1) shall include the following:

18 (A) A comprehensive review of existing co-
19 operation mechanisms and initiatives between
20 USAID or DFC and relevant departments and
21 agencies in Taiwan, including, but not limited
22 to Taiwan's International Cooperation and De-
23 velopment Fund (ICDF).

24 (B) An assessment of how USAID and
25 DFC development cooperation with relevant de-

1 partments and agencies in Taiwan compares to
2 comparable cooperation with partners of similar
3 economic size and foreign assistance capacity.

4 (C) An analysis of the opportunities and
5 challenges the cooperation described in subpara-
6 graph (A) has offered to date, including—

7 (i) opportunities collaboration has of-
8 fered to expand USAID's and DFC's abil-
9 ity to deliver assistance into a wider range
10 communities;

11 (ii) sectors where USAID, DFC,
12 ICDF, other relevant agencies and depart-
13 ments in Taiwan, or the organizations' im-
14 plementing partners, have a comparative
15 advantage in providing assistance; and

16 (iii) opportunities to transition virtual
17 capacity building events relevant depart-
18 ments and agencies in Taiwan, through the
19 Global Cooperation and Training Frame-
20 work and other forums, into in-person, en-
21 during forms of development cooperation.

22 (D) An assessment of any legal, policy,
23 logistical, financial, or administrative barriers
24 to expanding cooperation in trilateral or multi-
25 lateral development, including—

1 (i) availability of personnel at the
2 American Institute in Taiwan responsible
3 for coordinating development assistance co-
4 operation;

5 (ii) volume of current cooperation ini-
6 tiatives and barriers to expanding it;

7 (iii) diplomatic, policy, or legal bar-
8 riers facing the United States or other
9 partners to including Taiwan in formal
10 and informal multilateral development co-
11 operation mechanisms;

12 (iv) resource or capacity barriers to
13 expanding cooperation facing the United
14 States or Taiwan; and

15 (v) geopolitical barriers that com-
16 plicate United States-Taiwan cooperation
17 in third countries.

18 (E) Recommendations to address the chal-
19 lenges identified in subparagraph (D).

20 (F) A description of any additional re-
21 sources or authorities that expanding coopera-
22 tion might require.

23 (3) FORM.—The strategy required in paragraph
24 (1) shall be submitted in unclassified form but may
25 include a classified annex.

1 (h) SENSE OF CONGRESS ON EXPANDING UNITED
2 STATES ECONOMIC RELATIONS WITH TAIWAN.—It is the
3 sense of the Congress that—

4 (1) expanding United States economic relations
5 with Taiwan has benefited the people of both the
6 United States and Taiwan; and

7 (2) the United States should explore opportuni-
8 ties to deepen, and where possible expand, economic
9 ties between Taiwan and the United States.

10 (i) SENSE OF CONGRESS ON PEACE AND STABILITY
11 IN THE TAIWAN STRAIT.—It is the sense of Congress
12 that—

13 (1) PRC attempts to intimidate Taiwan, includ-
14 ing through high rates of PRC sorties into air space
15 near Taiwan, and PRC amphibious assault exercises
16 near Taiwan, jeopardizes the long-standing United
17 States position that differences in cross-Strait rela-
18 tions must be resolved peacefully;

19 (2) given the potential for a cross-Strait conflict
20 to be highly destructive and destabilizing, any in-
21 crease in the risk of conflict demands attention and
22 obligates leaders to reinforce deterrence, as the most
23 viable means to prevent war;

24 (3) Taiwan should continue to implement its
25 asymmetric defense strategy, including investing in

1 cost-effective and resilient capabilities, while also
2 strengthening recruitment and training of its reserve
3 and civil defense forces, and those capabilities in-
4 clude, but are not limited to, coastal defense cruise
5 missiles; and

6 (4) while enhancing deterrence, it is also essen-
7 tial to maintain open and effective crisis communica-
8 tion and risk reduction mechanisms, as a means to
9 reduce the risk of misunderstanding and ultimately,
10 conflict.

11 (j) STRATEGY TO ENHANCE DETERRENCE OVER A
12 CROSS-STRAIT CONFLICT.—

13 (1) IN GENERAL.—No later than 90 days after
14 the date of enactment of this Act, the President
15 shall submit to the appropriate congressional com-
16 mittees a whole-of-government strategy to enhance
17 deterrence over a cross-Strait military conflict be-
18 tween the PRC and Taiwan.

19 (2) MATTERS TO BE INCLUDED.—The strategy
20 shall include the following:

21 (A) A comprehensive review of existing
22 diplomatic, economic, and military tools to es-
23 tablish deterrence over a cross-Strait conflict
24 and an assessment of their efficacy.

1 (B) An examination of the present and fu-
2 ture capabilities of the United States and Tai-
3 wan to respond to the potential PLA campaigns
4 against Taiwan in 5, 10, and 15 years. The
5 analysis shall include an assessment of the
6 progress Taiwan has made in developing the
7 cost-effective and resilient capabilities needed to
8 respond to its strategic environment, as well as
9 any additional personnel, procurement, or train-
10 ing reforms required.

11 (C) An evaluation of the feasibility of ex-
12 panding coordination with United States allies
13 and partners to enhance deterrence over a
14 cross-Strait conflict. The review shall include a
15 review of the following matters:

16 (i) Expanding coordination of public
17 or private messaging on deterrence vis-à-
18 vis Taiwan.

19 (ii) Coordinating use of economic tools
20 to raise the costs of PRC military action
21 that could precipitate a cross-Strait con-
22 flict.

23 (iii) Enhancing codevelopment and co-
24 deployment of military capabilities related
25 to deterrence over a cross-Strait conflict,

1 or enhancing coordination on training of
2 Taiwan's military forces.

3 (D) Recommendations on significant addi-
4 tional diplomatic, economic, and military steps
5 available to the United States Government, uni-
6 laterally and in concert with United States al-
7 lies and partners, to enhance the clarity and
8 credibility of deterrence over a cross-Strait con-
9 flict.

10 (E) A description of any additional re-
11 sources or authorities needed to implement the
12 recommendations identified in subparagraph
13 (D).

14 (3) FORM.—The strategy required in paragraph
15 (1) shall be submitted classified form but may in-
16 clude an unclassified annex.

17 (4) CONSULTATION.—Not later than 90 days
18 after the date of enactment of this Act, and not less
19 frequently than every 180 days thereafter for 7
20 years, the President (or a designee), as well as rep-
21 resentatives from the agencies and departments in-
22 volved in developing the strategy required in para-
23 graph (1), shall consult with the appropriate con-
24 gressional committees regarding the development
25 and implementation of the strategy required in this

1 subsection. The representatives from the relevant
2 agencies and departments shall be at the Under Sec-
3 retary level or above.

4 (k) STRENGTHENING TAIWAN'S CIVILIAN DEFENSE
5 PROFESSIONALS.—

6 (1) IN GENERAL.—Not later than 180 days
7 after the date of the enactment of this Act, the Sec-
8 retary of State, in consultation with the Secretary of
9 Defense, shall present to the appropriate congres-
10 sional committees a plan for strengthening the com-
11 munity of civilian defense professionals in Taiwan,
12 facilitated through the American Institute in Taiwan
13 as appropriate.

14 (2) MATTERS TO BE INCLUDED.—The plan re-
15 quired by paragraph (1) shall include the following:

16 (A) A comprehensive review of existing
17 United States Government and non-United
18 States Government programmatic and funding
19 modalities to support Taiwan's civilian defense
20 professionals in pursuing professional develop-
21 ment, educational, and cultural exchanges in
22 the United States, including—

23 (i) opportunities through Department
24 of State-supported programs, such as the

1 International Visitor Leaders Program;
2 and

3 (ii) opportunities offered through non-
4 governmental institutions, such as think
5 tanks, to the extent the review can prac-
6 ticably make such an assessment.

7 (B) A description of the frequency that ci-
8 vilian defense professionals from Taiwan pursue
9 or are selected for the programs reviewed pur-
10 suant to subparagraph (A).

11 (C) An analysis of any funding, policy, ad-
12 ministrative, or other barriers preventing great-
13 er participation from Taiwan's civilian defense
14 professionals in the opportunities identified pur-
15 suant to subparagraph (A).

16 (D) An evaluation of the value expanding
17 the opportunities reviewed pursuant to subpara-
18 graph (A) would offer for strengthening Tai-
19 wan's existing civilian defense community, and
20 for increasing the perceived value of the field
21 for young professionals in Taiwan.

22 (E) An assessment of options the United
23 States Government could take individually, with
24 partners in Taiwan, or with foreign govern-
25 ments, or nongovernmental partners, to expand

1 the opportunities reviewed pursuant to subpara-
2 graph (A).

3 (F) A description of additional resources
4 and authorities required by the options assessed
5 pursuant to subparagraph (E).

6 (3) FORM.—The plan required by paragraph
7 (1) shall be submitted in unclassified form but may
8 include a classified annex.

9 **SEC. 30211. TAIWAN INTERNATIONAL SOLIDARITY ACT.**

10 (a) SHORT TITLE.—This section may be cited as the
11 “Taiwan International Solidarity Act”.

12 (b) CLARIFICATION REGARDING UNITED NATIONS
13 GENERAL ASSEMBLY RESOLUTION 2758.—Subsection (a)
14 of section 2 of the Taiwan Allies International Protection
15 and Enhancement Initiative (TAIPEI) Act of 2019 (Pub-
16 lic Law 116–135) (relating to diplomatic relations with
17 Taiwan) is amended by adding at the end the following
18 new paragraphs:

19 “(10) United Nations General Assembly Reso-
20 lution 2758 (1971) established the representatives of
21 the Government of the People’s Republic of China as
22 the only lawful representatives of China to the
23 United Nations. The resolution did not address the
24 issue of representation of Taiwan and its people in
25 the United Nations or any related organizations, nor

1 did the resolution take a position on the relationship
2 between the People’s Republic of China and Taiwan
3 or include any statement pertaining to Taiwan’s sov-
4 ereignty.

5 “(11) The United States opposes any initiative
6 that seeks to change Taiwan’s status without the
7 consent of the people.”.

8 (c) UNITED STATES ADVOCACY FOR INTERNATIONAL
9 ORGANIZATIONS TO RESIST THE PEOPLE’S REPUBLIC OF
10 CHINA’S EFFORTS TO DISTORT THE “ONE CHINA” POSI-
11 TION.—Section 4 of the Taiwan Allies International Pro-
12 tection and Enhancement Initiative (TAIPEI) Act of 2019
13 (relating to the policy of the United States regarding Tai-
14 wan’s participation in international organizations) is
15 amended—

16 (1) in paragraph (2), by striking “and” after
17 the semicolon at the end;

18 (2) in paragraph (3), by striking the period at
19 the end and inserting “; and”; and

20 (3) by adding at the end the following new
21 paragraph:

22 “(4) to instruct, as appropriate, representatives
23 of the United States Government in all organizations
24 described in paragraph (1) to use the voice, vote,
25 and influence of the United States to advocate such

1 organizations to resist the People’s Republic of Chi-
2 na’s efforts to distort the decisions, language, poli-
3 cies, or procedures of such organizations regarding
4 Taiwan.”.

5 (d) OPPOSING THE PEOPLE’S REPUBLIC OF CHINA’S
6 EFFORTS TO UNDERMINE TAIWAN’S TIES AND PARTNER-
7 SHIPS INTERNATIONALLY.—Subsection (a) of section 5 of
8 the Taiwan Allies International Protection and Enhance-
9 ment Initiative (TAIPEI) Act of 2019 (relating to
10 strengthening ties with Taiwan) is amended—

11 (1) in paragraph (2), by striking “and” after
12 the semicolon at the end;

13 (2) in paragraph (3), by striking the period at
14 the end and inserting “; and”; and

15 (3) by adding at the end the following new
16 paragraph:

17 “(4) encourage, as appropriate, United States
18 allies and partners to oppose the People’s Republic
19 of China’s efforts to undermine Taiwan’s official
20 diplomatic relationships and its partnerships with
21 countries with which it does not maintain diplomatic
22 relations.”.

23 (e) REPORT ON THE PEOPLE’S REPUBLIC OF
24 CHINA’S ATTEMPTS TO PROMOTE ITS “ONE CHINA” PO-
25 SITION.—

1 (1) IN GENERAL.—Subsection (b) of section 5
2 of the Taiwan Allies International Protection and
3 Enhancement Initiative (TAIPEI) Act of 2019 (re-
4 lating to strengthening ties with Taiwan) is amended
5 by inserting before the period at the end the fol-
6 lowing: “, as well as information relating to any
7 prior or ongoing attempts by the People’s Republic
8 of China to undermine Taiwan’s membership or ob-
9 server status in all organizations described in section
10 (4)(1) and Taiwan’s ties and relationships with
11 other countries in accordance with subsection (a) of
12 this section”.

13 (2) EFFECTIVE DATE.—The amendment made
14 by paragraph (1) shall take effect on the date of the
15 enactment of this Act and apply beginning with the
16 first report required under subsection (b) of section
17 5 of the Taiwan Allies International Protection and
18 Enhancement Initiative (TAIPEI) Act of 2019, as
19 amended by paragraph (1), that is required after
20 such date.

21 **SEC. 30212. TAIWAN FELLOWSHIP PROGRAM.**

22 (a) SHORT TITLE.—This section may be cited as the
23 “Taiwan Fellowship Act”.

24 (b) FINDINGS; PURPOSES.—

25 (1) FINDINGS.—Congress finds the following:

1 (A) The Taiwan Relations Act (Public Law
2 96–8; 22 U.S.C. 3301 et seq.) affirmed United
3 States policy “to preserve and promote exten-
4 sive, close, and friendly commercial, cultural,
5 and other relations between the people of the
6 United States and the people on Taiwan, as
7 well as the people on the China mainland and
8 all other peoples of the Western Pacific area”.

9 (B) Consistent with the Asia Reassurance
10 Initiative Act of 2018 (Public Law 115–409),
11 the United States has grown its strategic part-
12 nership with Taiwan’s vibrant democracy of
13 23,000,000 people.

14 (C) Despite a concerted campaign by the
15 People’s Republic of China to isolate Taiwan
16 from its diplomatic partners and from inter-
17 national organizations, including the World
18 Health Organization, Taiwan has emerged as a
19 global leader in the coronavirus global pandemic
20 response, including by donating more than
21 2,000,000 surgical masks and other medical
22 equipment to the United States.

23 (D) The creation of a United States fellow-
24 ship program with Taiwan would support—

1 (i) a key priority of expanding people-
2 to-people exchanges, which was outlined in
3 President Donald J. Trump’s 2017 Na-
4 tional Security Strategy;

5 (ii) President Joseph R. Biden’s com-
6 mitment to Taiwan, “a leading democracy
7 and a critical economic and security part-
8 ner”, as expressed in his March 2021 In-
9 terim National Security Strategic Guid-
10 ance; and

11 (iii) April 2021 guidance from the De-
12 partment of State based on a review re-
13 quired under the Taiwan Assurance Act of
14 2020 (subtitle B of title III of division FF
15 of Public Law 116–260) to “encourage
16 U.S. government engagement with Taiwan
17 that reflects our deepening unofficial rela-
18 tionship”.

19 (2) PURPOSES.—The purposes of this section
20 are—

21 (A) to further strengthen the United
22 States-Taiwan strategic relationship and broad-
23 en understanding of the Indo-Pacific region by
24 temporarily assigning officials of agencies of the
25 United States Government to Taiwan for inten-

1 sive study in Mandarin Chinese and placement
2 as Fellows with the governing authorities on
3 Taiwan or a Taiwanese civic institution;

4 (B) to expand United States Government
5 expertise in Mandarin Chinese language skills
6 and understanding of the politics, history, and
7 culture of Taiwan and the Indo-Pacific region
8 by providing eligible United States personnel
9 the opportunity to acquire such skills and un-
10 derstanding through the Taiwan Fellowship
11 Program established under subsection (c); and

12 (C) to better position the United States to
13 advance its economic, security, and human
14 rights interests and values in the Indo-Pacific
15 region.

16 (c) TAIWAN FELLOWSHIP PROGRAM.—

17 (1) DEFINITIONS.—In this section:

18 (A) AGENCY HEAD.—The term “agency
19 head” means, in the case of the executive
20 branch of United States Government, or in the
21 case of a legislative branch agency specified in
22 subparagraph (B), the head of the respective
23 agency.

24 (B) AGENCY OF THE UNITED STATES GOV-
25 ERNMENT.—The term “agency of the United

1 States Government” includes the Government
2 Accountability Office, the Congressional Budget
3 Office, the Congressional Research Service, and
4 the United States-China Economic and Security
5 Review Commission of the legislative branch, as
6 well as any agency of the executive branch.

7 (C) APPROPRIATE CONGRESSIONAL COM-
8 MITTEES.—The term “appropriate congres-
9 sional committees” means—

10 (i) the Committee on Appropriations,
11 the Committee on Foreign Affairs, and the
12 Committee on Armed Services of the
13 House of Representatives; and

14 (ii) the Committee on Appropriations
15 and the Committee on Foreign Relations
16 of the Senate.

17 (D) DETAILEE.—The term “detailee”
18 means an employee of an agency of the United
19 States Government on loan to the American In-
20 stitute in Taiwan, without a change of position
21 from the agency at which such employee is em-
22 ployed.

23 (E) IMPLEMENTING PARTNER.—The term
24 “implementing partner” means any United
25 States organization described in section

1 501(c)(3) of the Internal Revenue Code of 1986
2 and exempt from tax under section 501(a) of
3 such Code that—

4 (i) is selected through a competitive
5 process;

6 (ii) performs logistical, administrative,
7 and other functions, as determined by the
8 Department of State and the American In-
9 stitute of Taiwan, in support of the Tai-
10 wan Fellowship Program; and

11 (iii) enters into a cooperative agree-
12 ment with the American Institute in Tai-
13 wan to administer the Taiwan Fellowship
14 Program.

15 (2) ESTABLISHMENT OF TAIWAN FELLOWSHIP
16 PROGRAM.—

17 (A) ESTABLISHMENT.—The Secretary of
18 State shall establish the “Taiwan Fellowship
19 Program” (referred to in this section as the
20 “Program”) to provide a fellowship opportunity
21 in Taiwan of up to two years for eligible United
22 States citizens through the cooperative agree-
23 ment established in subparagraph (B). The Sec-
24 retary of State, in consultation with appropriate
25 counterparts at the American Institute in Tai-

1 wan and the implementing partner, may modify
2 the name of the Program.

3 (B) COOPERATIVE AGREEMENTS.—

4 (i) IN GENERAL.—The American In-
5 stitute in Taiwan shall use amounts appro-
6 priated pursuant to the authorization
7 under paragraph (6)(A) to enter into an
8 annual or multi-year cooperative agree-
9 ment with an appropriate implementing
10 partner.

11 (ii) FELLOWSHIPS.—The Secretary of
12 State, in consultation with the American
13 Institute in Taiwan and, as appropriate,
14 the implementing partner, shall award to
15 eligible United States citizens, subject to
16 available funding—

17 (I) not fewer than five fellow-
18 ships during the first two years of the
19 Program; and

20 (II) not fewer than ten fellow-
21 ships during each of the remaining
22 years of the Program.

23 (C) INTERNATIONAL AGREEMENT; IMPLE-
24 MENTING PARTNER.—Not later than 30 days
25 after the date of the enactment of this Act, the

1 American Institute in Taiwan, in consultation
2 with the Secretary of State, shall—

3 (i) begin negotiations with the Taipei
4 Economic and Cultural Representative Of-
5 fice, or with another appropriate entity, for
6 the purpose of entering into an agreement
7 to facilitate the placement of fellows in an
8 agency of the governing authorities on Tai-
9 wan; and

10 (ii) begin the process of selecting an
11 implementing partner, which—

12 (I) shall agree to meet all of the
13 legal requirements required to operate
14 in Taiwan; and

15 (II) shall be composed of staff
16 who demonstrate significant experi-
17 ence managing exchange programs in
18 the Indo-Pacific region.

19 (D) CURRICULUM.—

20 (i) FIRST YEAR.—During the first
21 year of each fellowship under this sub-
22 section, each fellow should study—

23 (I) the Mandarin Chinese lan-
24 guage;

1 (II) the people, history, and polit-
2 ical climate on Taiwan; and

3 (III) the issues affecting the rela-
4 tionship between the United States
5 and the Indo-Pacific region.

6 (ii) SECOND YEAR.—During the sec-
7 ond year of each fellowship under this sec-
8 tion, each fellow, subject to the approval of
9 the Secretary of State, the American Insti-
10 tute in Taiwan, and the implementing
11 partner, and in accordance with the pur-
12 poses of this section, shall work in—

13 (I) a parliamentary office, min-
14 istry, or other agency of the governing
15 authorities on Taiwan; or

16 (II) an organization outside of
17 the governing authorities on Taiwan,
18 whose interests are associated with
19 the interests of the fellow and the
20 agency of the United States Govern-
21 ment from which the fellow had been
22 employed.

23 (E) FLEXIBLE FELLOWSHIP DURATION.—
24 Notwithstanding any requirement under this
25 section, the Secretary of State, in consultation

1 with the American Institute in Taiwan and, as
2 appropriate, the implementing partner, may
3 award fellowships that have a duration of be-
4 tween nine months and two years, and may
5 alter the curriculum requirements under sub-
6 paragraph (D) for such purposes.

7 (F) SUNSET.—The Program shall termi-
8 nate ten years after the date of the enactment
9 of this section.

10 (3) PROGRAM REQUIREMENTS.—

11 (A) ELIGIBILITY REQUIREMENTS.—A
12 United States citizen is eligible for a fellowship
13 under this section if he or she—

14 (i) is an employee of the United
15 States Government;

16 (ii) has at least two years of experi-
17 ence in any branch of the United States
18 Government;

19 (iii) has received at least one exem-
20 plary performance review in his or her cur-
21 rent United States Government role within
22 at least the last three years prior to begin-
23 ning the fellowship;

24 (iv) has a demonstrated professional
25 or educational background in the relation-

1 ship between the United States and coun-
2 tries in the Indo-Pacific region; and

3 (v) has demonstrated his or her com-
4 mitment to further service in the United
5 States Government.

6 (B) RESPONSIBILITIES OF FELLOWS.—

7 Each recipient of a fellowship under this section
8 shall agree, as a condition of such fellowship—

9 (i) to maintain satisfactory progress
10 in language training and appropriate be-
11 havior in Taiwan, as determined by the
12 Department of State, the American Insti-
13 tute in Taiwan and, as appropriate, its im-
14 plementing partner;

15 (ii) to refrain from engaging in any
16 intelligence or intelligence-related activity
17 on behalf of the United States Govern-
18 ment; and

19 (iii) to continue Federal Government
20 employment for a period of not less than
21 four years after the conclusion of the fel-
22 lowship, or for not less than two years for
23 a fellowship that is one year or shorter.

24 (C) RESPONSIBILITIES OF IMPLEMENTING
25 PARTNER.—

1 (i) SELECTION OF FELLOWS.—The
2 implementing partner, in close coordination
3 with the Secretary of State and the Amer-
4 ican Institute in Taiwan, shall—

5 (I) make efforts to recruit fellow-
6 ship candidates who reflect the diver-
7 sity of the United States;

8 (II) select fellows for the Pro-
9 gram based solely on merit, with ap-
10 propriate supervision from the De-
11 partment of State and the American
12 Institute in Taiwan; and

13 (III) prioritize the selection of
14 candidates willing to serve a fellow-
15 ship lasting one year or longer.

16 (ii) FIRST YEAR.—The implementing
17 partner should provide each fellow in the
18 first year (or shorter duration, as jointly
19 determined by the Secretary of State and
20 the American Institute in Taiwan, for
21 those who are not serving a two-year fel-
22 lowship) with—

23 (I) intensive Mandarin Chinese
24 language training; and

1 (II) courses in the politic, cul-
2 ture, and history of Taiwan, China,
3 and the broader Indo-Pacific.

4 (iii) WAIVER OF REQUIRED TRAIN-
5 ING.—The Secretary of State, in coordina-
6 tion with the American Institute in Taiwan
7 and, as appropriate, the implementing
8 partner, may waive any of the training re-
9 quired under clause (ii) to the extent that
10 a fellow has Mandarin Chinese language
11 skills, knowledge of the topics described in
12 clause (ii)(II), or for other related reasons
13 approved by the Secretary of State and the
14 American Institute in Taiwan. If any of
15 the training requirements are waived for a
16 fellow serving a two-year fellowship, the
17 training portion of his or her fellowship
18 may be shortened to the extent appro-
19 priate.

20 (iv) OFFICE; STAFFING.—The imple-
21 menting partner, in consultation with the
22 Secretary of State and the American Insti-
23 tute in Taiwan, shall maintain an office
24 and at least one full-time staff member in
25 Taiwan to—

1 (I) liaise with the American In-
2 stitute in Taiwan and the governing
3 authorities on Taiwan; and

4 (II) serve as the primary in-coun-
5 try point of contact for the recipients
6 of fellowships under this section and
7 their dependents.

8 (v) OTHER FUNCTIONS.—The imple-
9 menting partner should perform other
10 functions in association in support of the
11 Program, including logistical and adminis-
12 trative functions, as included in the cooper-
13 ative agreement entered into pursuant to
14 paragraph (2)(B) by the Secretary of State
15 and the American Institute in Taiwan.

16 (D) NONCOMPLIANCE.—

17 (i) IN GENERAL.—Any fellow who
18 fails to comply with the requirements
19 under this section shall reimburse the
20 American Institute in Taiwan for—

21 (I) the Federal funds expended
22 for the fellow's participation in the
23 fellowship, as set forth in clauses (ii)
24 and (iii); and

1 (II) interest accrued on such
2 funds (calculated at the prevailing
3 rate).

4 (ii) FULL REIMBURSEMENT.—Any fel-
5 low who violates clause (i) or (ii) of sub-
6 paragraph (B) shall reimburse the Amer-
7 ican Institute in Taiwan in an amount
8 equal to the sum of—

9 (I) all of the Federal funds ex-
10 pended for the fellow's participation
11 in the fellowship; and

12 (II) interest on the amount speci-
13 fied in subclause (I), which shall be
14 calculated at the prevailing rate.

15 (iii) PRO RATA REIMBURSEMENT.—
16 Any fellow who violates subparagraph
17 (B)(iii) shall reimburse the American Insti-
18 tute in Taiwan in an amount equal to the
19 difference between—

20 (I) the amount specified in clause
21 (ii); and

22 (II) the product of—

23 (aa) the amount the fellow
24 received in compensation during
25 the final year of the fellowship,

1 including the value of any allow-
2 ances and benefits received by
3 the fellow; multiplied by

4 (bb) the percentage of the
5 period specified in subparagraph
6 (B)(iii) during which the fellow
7 did not remain employed by the
8 United States Government.

9 (E) ANNUAL REPORT.—Not later than 90
10 days after the selection of the first class of fel-
11 lows under this section and annually thereafter
12 for 10 years, the Secretary of State shall offer
13 to brief the appropriate congressional commit-
14 tees regarding the following:

15 (i) An assessment of the performance
16 of the implementing partner in fulfilling
17 the purposes of this section.

18 (ii) The number of applicants each
19 year, the number of applicants willing to
20 serve a fellowship lasting one year or
21 longer, and the number of such applicants
22 selected for a fellowship.

23 (iii) The names and sponsoring agen-
24 cies of the fellows selected by the imple-
25 menting partner and the extent to which

1 such fellows represent the diversity of the
2 United States.

3 (iv) The names of the parliamentary
4 offices, ministries, other agencies of the
5 governing authorities on Taiwan, and non-
6 governmental institutions to which each
7 fellow was assigned.

8 (v) Any recommendations, as appro-
9 priate, to improve the implementation of
10 the Program, including added flexibilities
11 in the administration of the program.

12 (vi) An assessment of the Program's
13 value upon the relationship between the
14 United States and Taiwan or the United
15 States and Asian countries.

16 (F) ANNUAL FINANCIAL AUDIT.—

17 (i) IN GENERAL.—The financial
18 records of any implementing partner shall
19 be audited annually in accordance with
20 generally accepted auditing standards by
21 independent certified public accountants or
22 independent licensed public accountants
23 who are certified or licensed by a regu-
24 latory authority of a State or another po-
25 litical subdivision of the United States.

1 (ii) LOCATION.—Each audit under
2 clause (i) shall be conducted at the place
3 or places where the financial records of the
4 implementing partner are normally kept.

5 (iii) ACCESS TO DOCUMENTS.—The
6 implementing partner shall make available
7 to the accountants conducting an audit
8 under clause (i)—

9 (I) all books, financial records,
10 files, other papers, things, and prop-
11 erty belonging to, or in use by, the
12 implementing partner that are nec-
13 essary to facilitate the audit; and

14 (II) full facilities for verifying
15 transactions with the balances or se-
16 curities held by depositories, fiscal
17 agents, and custodians.

18 (iv) REPORT.—

19 (I) IN GENERAL.—Not later than
20 180 days after the end of each fiscal
21 year, the implementing partner shall
22 provide a report of the audit con-
23 ducted for such fiscal year under
24 clause (i) to the Secretary of State
25 and the American Institute in Taiwan.

1 (II) CONTENTS.—Each audit re-
2 port under subclause (I) shall—
3 (aa) set forth the scope of
4 the audit at issue;
5 (bb) include such state-
6 ments, along with the auditor’s
7 opinion of those statements, as
8 may be necessary to present fair-
9 ly the implementing partner’s as-
10 sets and liabilities, surplus or
11 deficit, with reasonable detail;
12 (cc) include a statement of
13 the implementing partner’s in-
14 come and expenses during the
15 year; and
16 (dd) include a schedule of—
17 (AA) all contracts and
18 cooperative agreements re-
19 quiring payments greater
20 than \$5,000; and
21 (BB) any payments of
22 compensation, salaries, or
23 fees at a rate greater than
24 \$5,000 per year.

1 (III) COPIES.—Each audit report
2 shall be produced in sufficient copies
3 for distribution to the public.

4 (4) TAIWAN FELLOWS ON DETAIL FROM GOV-
5 ERNMENT SERVICE.—

6 (A) IN GENERAL.—

7 (i) DETAIL AUTHORIZED.—With the
8 approval of the Secretary of State, an
9 agency head may detail, for a period of not
10 more than two years, an employee of the
11 agency of the United States Government
12 who has been awarded a fellowship under
13 this Act, to the American Institute in Tai-
14 wan for the purpose of assignment to the
15 governing authorities on Taiwan or an or-
16 ganization described in paragraph
17 (2)(D)(ii)(II).

18 (ii) AGREEMENT.—Each detailee shall
19 enter into a written agreement with the
20 Federal Government before receiving a fel-
21 lowship, in which the fellow shall agree—

22 (I) to continue in the service of
23 the sponsoring agency at the end of
24 fellowship for a period of at least four
25 years (or at least two years if the fel-

1 lowship duration is one year or short-
2 er) unless such detailee is involun-
3 tarily separated from the service of
4 such agency; and

5 (II) to pay to the American Insti-
6 tute in Taiwan any additional ex-
7 penses incurred by the United States
8 Government in connection with the
9 fellowship if the detailee voluntarily
10 separates from service with the spon-
11 soring agency before the end of the
12 period for which the detailee has
13 agreed to continue in the service of
14 such agency.

15 (iii) EXCEPTION.—The payment
16 agreed to under clause (ii)(II) may not be
17 required of a detailee who leaves the serv-
18 ice of the sponsoring agency to enter into
19 the service of another agency of the United
20 States Government unless the head of the
21 sponsoring agency notifies the detailee be-
22 fore the effective date of entry into the
23 service of the other agency that payment
24 will be required under this subsection.

1 (B) STATUS AS GOVERNMENT EM-
2 PLOYEE.—A detailee under this paragraph—

3 (i) is deemed, for the purpose of pre-
4 serving allowances, privileges, rights, se-
5 niority, and other benefits, to be an em-
6 ployee of the sponsoring agency;

7 (ii) is entitled to pay, allowances, and
8 benefits from funds available to such agen-
9 cy, which is deemed to comply with section
10 5536 of title 5, United States Code; and

11 (iii) may be assigned to a position
12 with an entity described in paragraph
13 (2)(D)(ii)(I) if acceptance of such position
14 does not involve—

15 (I) the taking of an oath of alle-
16 giance to another government; or

17 (II) the acceptance of compensa-
18 tion or other benefits from any foreign
19 government by such detailee.

20 (C) RESPONSIBILITIES OF SPONSORING
21 AGENCY.—

22 (i) IN GENERAL.—The agency of the
23 United States Government from which a
24 detailee is detailed should provide the fel-
25 low allowances and benefits that are con-

1 sistent with Department of State Stand-
2 ardized Regulations or other applicable
3 rules and regulations, including—

4 (I) a living quarters allowance to
5 cover the cost of housing in Taiwan;

6 (II) a cost of living allowance to
7 cover any possible higher costs of liv-
8 ing in Taiwan;

9 (III) a temporary quarters sub-
10 sistence allowance for up to seven
11 days if the fellow is unable to find
12 housing immediately upon arriving in
13 Taiwan;

14 (IV) an education allowance to
15 assist parents in providing the fellow's
16 minor children with educational serv-
17 ices ordinarily provided without
18 charge by public schools in the United
19 States;

20 (V) moving expenses to transport
21 personal belongings of the fellow and
22 his or her family in their move to Tai-
23 wan, which is comparable to the al-
24 lowance given for American Institute

1 in Taiwan employees assigned to Tai-
2 wan; and

3 (VI) an economy-class airline
4 ticket to and from Taiwan for each
5 fellow and the fellow's immediate fam-
6 ily.

7 (ii) MODIFICATION OF BENEFITS.—
8 The American Institute in Taiwan and its
9 implementing partner, with the approval of
10 the Department of State, may modify the
11 benefits set forth in clause (i) if such
12 modification is warranted by fiscal cir-
13 cumstances.

14 (D) NO FINANCIAL LIABILITY.—The
15 American Institute in Taiwan, the imple-
16 menting partner, and any governing authorities
17 on Taiwan or nongovernmental entities in Tai-
18 wan at which a fellow is detailed during the sec-
19 ond year of the fellowship may not be held re-
20 sponsible for the pay, allowances, or any other
21 benefit normally provided to the detailee.

22 (E) REIMBURSEMENT.—Fellows may be
23 detailed under clause (A)(ii) without reimburse-
24 ment to the United States by the American In-
25 stitute in Taiwan.

1 (F) ALLOWANCES AND BENEFITS.—

2 Detailees may be paid by the American Insti-
3 tute in Taiwan for the allowances and benefits
4 listed in subparagraph (C).

5 (5) GAO REPORT.—Not later than one year be-
6 fore the sunset of the Program pursuant to para-
7 graph (2)(F), the Comptroller General of the United
8 States shall transmit to the Committee on Foreign
9 Relations of the Senate and the Committee on For-
10 eign Affairs of the House of Representatives a re-
11 port that includes the following:

12 (A) An analysis of United States Govern-
13 ment participants in the Program, including the
14 number of applicants and the number of fellow-
15 ships undertaken, and the places of employ-
16 ment.

17 (B) An assessment of the costs and bene-
18 fits for participants in the Program and for the
19 United States Government of such fellowships.

20 (C) An analysis of the financial impact of
21 the fellowship on United States Government of-
22 fices that have detailed fellows to participate in
23 the Program.

24 (D) Recommendations, if any, on how to
25 improve the Program.

1 (6) FUNDING.—

2 (A) AUTHORIZATION OF APPROPRIA-
3 TIONS.—There are authorized to be appro-
4 priated to the American Institute in Taiwan—

5 (i) for fiscal year 2022, \$2,900,000,
6 of which \$500,000 should be made avail-
7 able to an appropriate implementing part-
8 ner to launch the Program; and

9 (ii) for fiscal year 2023, and each suc-
10 ceeding fiscal year, \$2,400,000.

11 (B) PRIVATE SOURCES.—The imple-
12 menting partner selected to implement the Pro-
13 gram may accept, use, and dispose of gifts or
14 donations of services or property in carrying
15 out such program, subject to the review and ap-
16 proval of the American Institute in Taiwan.

17 **SEC. 30213. INCREASING DEPARTMENT OF STATE PER-**
18 **SONNEL AND RESOURCES DEVOTED TO THE**
19 **INDO-PACIFIC.**

20 (a) FINDINGS.—Congress makes the following find-
21 ings:

22 (1) In fiscal year 2020, the Department of
23 State allocated \$1,500,000,000 to the Indo-Pacific
24 region in bilateral and regional foreign assistance re-
25 sources, including as authorized by section 201(b) of

1 the Asia Reassurance Initiative Act of 2018 (Public
2 Law 115–409; 132 Stat. 5391), and \$798,000,000
3 in the fiscal year 2020 diplomatic engagement budg-
4 et. These amounts represent only 5 percent of the
5 diplomatic engagement budget and only 4 percent of
6 the total Department of State-USAID budget.

7 (2) Over the last 5 years the diplomatic engage-
8 ment budget and personnel levels in the Indo-Pacific
9 averaged only 5 percent of the total, while foreign
10 assistance resources averaged only 4 percent of the
11 total.

12 (3) In 2020, the Department of State began a
13 process to realign certain positions at posts to en-
14 sure that its personnel footprint matches the de-
15 mands of great-power competition, including in the
16 Indo-Pacific.

17 (b) SENSE OF CONGRESS.—It is the sense of Con-
18 gress that—

19 (1) the size of the United States diplomatic
20 corps must be sufficient to meet the current and
21 emerging challenges of the 21st century, including
22 those in the Indo-Pacific region and elsewhere;

23 (2) robust Chinese-language skills are necessary
24 for the success of the United States diplomatic corps

1 and integral to its ability to meet national security
2 objectives;

3 (3) the increase must be designed to meet the
4 objectives of an Indo-Pacific strategy focused on
5 strengthening the good governance and sovereignty
6 of countries that adhere to and uphold the rules-
7 based international order; and

8 (4) the increase must be implemented with a
9 focus on increased numbers of economic, political,
10 and public diplomacy officers, representing a cumu-
11 lative increase of at least 200 Foreign Service officer
12 generalists, to—

13 (A) advance free, fair, and reciprocal trade
14 and open investment environments for United
15 States entities, and engaged in increased com-
16 mercial diplomacy in key markets;

17 (B) better articulate and explain United
18 States policies, strengthen civil society and
19 democratic principles, enhance reporting on
20 global activities, promote people-to-people ex-
21 changes, and advance United States influence;
22 and

23 (C) increase capacity at small- and me-
24 dium-sized embassies and consulates in the

1 Indo-Pacific and other regions around the
2 world, as necessary.

3 (c) STATEMENT OF POLICY.—It shall be the policy
4 of the United States to—

5 (1) ensure Department of State funding levels
6 and personnel footprint in the Indo-Pacific reflect
7 the region’s high degree of importance and signifi-
8 cance to United States political, economic, and secu-
9 rity interests; and

10 (2) increase diplomatic engagement and foreign
11 assistance funding and the quantity of personnel
12 dedicated to the Indo-Pacific region respective to the
13 Department of State’s total budget.

14 (d) ACTION PLAN.—Not later than 180 days after
15 the date of the enactment of this Act, the Secretary of
16 State shall provide to the appropriate congressional com-
17 mittees of Congress an action plan that includes the fol-
18 lowing elements:

19 (1) Identification of requirements to advance
20 United States strategic objectives in the Indo-Pacific
21 and the personnel and budgetary resources for the
22 Department of State needed to satisfy such objec-
23 tives, assuming an unconstrained resource environ-
24 ment.

1 (2) A plan to increase the portion of the De-
2 partment's budget dedicated to the Indo-Pacific in
3 terms of DE and FA focused on development, eco-
4 nomic, and security assistance.

5 (3) A plan to increase the number of positions
6 at posts in the Indo-Pacific region and bureaus with
7 responsibility for the Indo-Pacific region, including a
8 description of increases at each post or bureau, a
9 breakdown of increases by cone, and a description of
10 how such increases in personnel will advance United
11 States strategic objectives in the Indo-Pacific region.

12 (4) A plan to increase the number of Chinese-
13 language speakers and translation specialists at
14 posts in the Indo-Pacific region and within bureau
15 offices with responsibility for the Indo-Pacific region,
16 including in INR.

17 (5) A description of any staffing or other train-
18 ing or personnel reforms that may be required to
19 quickly increase departmental capacity to address
20 the inter-disciplinary, interconnected opportunities
21 and challenges presented in the Indo-Pacific, includ-
22 ing but not limited to issues related to climate
23 change, public health, supply chains, cybersecurity,
24 and digital technology issues.

1 (6) Defined concrete and annual benchmarks
2 that the Department will meet in implementing the
3 action plan.

4 (7) A description of any barriers to imple-
5 menting the action plan and recommendations to ad-
6 dress these barriers, noting whether additional au-
7 thorities or resources from Congress is needed to ad-
8 dress these barriers.

9 (e) UPDATES TO REPORT AND BRIEFING.—Every
10 180 days after the submission of the action plan described
11 in subsection (d) for not more than 3 years, the Secretary
12 of State shall submit an update and brief the appropriate
13 congressional committees on the implementation of such
14 action plan, with supporting data and including a detailed
15 assessment of benchmarks reached.

16 (f) AUTHORIZATION OF APPROPRIATIONS.—There is
17 authorized to be appropriated, for fiscal year 2022,
18 \$2,000,000,000 in bilateral and regional foreign assist-
19 ance resources to carry out the purposes of part I and
20 chapter 4 of part II of the Foreign Assistance Act of 1961
21 (22 U.S.C. 2151 et seq., 2346 et seq.) to the Indo-Pacific
22 region and \$1,250,000,000 in diplomatic engagement re-
23 sources to the Indo-Pacific region.

24 (g) INCLUSION OF AMOUNTS APPROPRIATED PURSU-
25 ANT TO ASIA REASSURANCE INITIATIVE ACT OF 2018.—

1 Amounts authorized to be appropriated under subsection
2 (f) include funds authorized to be appropriated pursuant
3 to section 201(b) of the Asia Reassurance Initiative Act
4 of 2018 (Public Law 115–409).

5 (h) BENCHMARKS UPDATE.—Not later than 2 years
6 after the date of the enactment of this Act, the Secretary
7 of State shall report to the appropriate congressional com-
8 mittees on the extent to which the strategic objectives de-
9 scribed in the action plan in subsection (d) have been sat-
10 isfied or progress toward such satisfaction has been made.

11 **SEC. 30214. REPORT ON BILATERAL EFFORTS TO ADDRESS**
12 **CHINESE FENTANYL TRAFFICKING.**

13 (a) CHINA’S CLASS SCHEDULING OF FENTANYL AND
14 SYNTHETIC OPIOID PRECURSORS.—Not later than 180
15 days after the date of the enactment of this Act, the Sec-
16 retary of State and Attorney General shall submit to the
17 appropriate congressional committees a written report de-
18 tailing—

19 (1) a description of United States Government
20 efforts to gain a commitment from the Government
21 of the People’s Republic of China (PRC) to submit
22 unregulated fentanyl precursors such as 4-AP to
23 controls;

24 (2) a plan for future steps the United States
25 Government will take to urge the PRC to combat il-

1 licit fentanyl production and trafficking originating
2 in the PRC;

3 (3) an assessment of the intersection between
4 illicit fentanyl trafficking originating in China and
5 illicit environmental trade and possible relationships
6 of trade-based money laundering; and

7 (4) an assessment of the intersection between
8 illicit fentanyl trafficking originating in China and
9 counterfeit medicines and medical supplies in the
10 United States.

11 (b) FORM OF REPORT.—The report required under
12 subsection (a) shall be submitted in unclassified form with
13 a classified annex.

14 **SEC. 30215. FACILITATION OF INCREASED EQUITY INVEST-**
15 **MENTS UNDER THE BETTER UTILIZATION OF**
16 **INVESTMENTS LEADING TO DEVELOPMENT**
17 **ACT OF 2018.**

18 (a) APPLICABILITY OF FEDERAL CREDIT REFORM
19 ACT OF 1990.—Section 1421(c) of the Better Utilization
20 of Investments Leading to Development Act of 2018 (22
21 U.S.C. 9621(c)) is amended by adding at the end the fol-
22 lowing:

23 “(7) APPLICABILITY OF FEDERAL CREDIT RE-
24 FORM ACT OF 1990.—

1 “(A) IN GENERAL.—Subject to subpara-
2 graphs (B) and (C), support provided under
3 paragraph (1) with respect to a project shall be
4 considered to be a Federal credit program that
5 is subject to the Federal Credit Reform Act of
6 1990 (2 U.S.C. 661 et seq.) for purposes of ap-
7 plying the requirements of such Act to such
8 support.

9 “(B) DETERMINATION OF COST.—

10 “(i) IN GENERAL.—For purposes of
11 section 502(5) of the Federal Credit Re-
12 form Act of 1990 (2 U.S.C. 661a(5) et
13 seq.) the cost of support provided under
14 paragraph (1) with respect to a project
15 shall be the net present value, at the time
16 when funds are disbursed to provide the
17 support, of the following estimated cash
18 flows:

19 “(I) The purchase price of the
20 support.

21 “(II) Dividends, redemptions,
22 and other shareholder distributions
23 during the term of the support.

1 “(III) Proceeds received upon a
2 sale, redemption, or other liquidation
3 of the support.

4 “(IV) Adjustments for risk of es-
5 timated losses, if any.

6 “(ii) CHANGES IN TERMS IN-
7 CLUDED.—The estimated cash flows de-
8 scribed in subclauses (I) through (IV) of
9 clause (i) shall include the effects of
10 changes in terms resulting from the exer-
11 cise of options included in the agreement
12 to provide the support.

13 “(C) REESTIMATE OF COST.—When the
14 estimated cost of support provided under para-
15 graph (1) with respect to a project made in a
16 single fiscal year is reestimated in a subsequent
17 year, the difference between the reestimated
18 cost and the previous cost estimate shall be
19 paid from the balances available in the Cor-
20 porate Capital Account established under sec-
21 tion 1434.”.

22 (b) MAXIMUM CONTINGENT LIABILITY.—Section
23 1433 of the Better Utilization of Investments Leading to
24 Development Act of 2018 (22 U.S.C. 9633) is amended

1 by striking “\$60,000,000,000” and inserting
2 “\$100,000,000,000”.

3 (c) FUNDING FOR CORPORATE CAPITAL ACCOUNT.—
4 Section 1434(b) of the Better Utilization of Investments
5 Leading to Development Act of 2018 (22 U.S.C. 9634(b))
6 is amended—

7 (1) in paragraph (5), by striking “and” at the
8 end;

9 (2) by redesignating paragraph (6) as para-
10 graph (7); and

11 (3) by inserting after paragraph (5) the fol-
12 lowing:

13 “(6) receipts of reestimated costs received pur-
14 suant to section 1421(e); and”.

15 (d) REPORT.—Not later than 180 days after the date
16 of the enactment of this Act, the Chief Executive Officer
17 of the United States International Development Finance
18 Corporation shall submit to the appropriate congressional
19 committees and the Committee on Appropriations of the
20 House of Representatives and the Senate a report on—

21 (1) a plan to expand the Corporation’s financ-
22 ing to support United States national security and
23 development priorities in critical regions; and

1 (2) the budgetary, staffing, and programmatic
2 resources that would be required in order to carry
3 out the plan required by this subsection.

4 **SEC. 30216. EXPANDING INVESTMENT BY UNITED STATES**
5 **INTERNATIONAL DEVELOPMENT FINANCE**
6 **CORPORATION FOR VACCINE MANUFAC-**
7 **TURING.**

8 (a) **IN GENERAL.**—The Development Finance Cor-
9 poration is authorized to provide financing to entities in
10 India and in other less developed countries to increase vac-
11 cine manufacturing capacity for the following purposes:

12 (1) Manufacturing Stringent Regulatory Au-
13 thorization (SRA) or World Health Organization
14 (WHO) Emergency Use Listing COVID–19 vac-
15 cines.

16 (2) Manufacturing SRA or WHO Emergency
17 Use Listing therapeutics used to treat symptoms re-
18 lated to COVID–19.

19 (3) Manufacturing critical medical supplies
20 needed for preventing, detecting and treating
21 COVID–19, including ventilators, personal protective
22 equipment, oxygen, diagnostics, therapeutics and
23 vaccines.

24 (b) **REPORTING REQUIREMENT.**—Not later than 180
25 days after the date of the enactment of this Act, the Chief

1 Executive Officer of the Development Finance Corpora-
2 tion, in coordination with the Secretary of State, shall pro-
3 vide a report to the appropriate congressional commit-
4 tees—

5 (1) outlining the countries where DFC financ-
6 ing could be most impactful for vaccine manufac-
7 turing and to achieve the goal of manufacturing 1
8 billion COVID–19 vaccines by 2022;

9 (2) including a detailed explanation of the
10 United States and partner country interests served
11 by the United States providing support to such
12 projects;

13 (3) including a detailed description of any sup-
14 port provided by other United States allies and part-
15 ners to expand the initiatives outlined in subsection
16 (a); and

17 (4) including a detailed description of any sup-
18 port provided by the People’s Republic of China in
19 support of the initiatives outlined in subsection (a).

20 (c) FORM OF REPORT.—The report required by sub-
21 section (b) shall be submitted in unclassified form with
22 a classified annex if necessary.

1 **SEC. 30217. ENSURING UNITED STATES DIPLOMATIC POSTS**
2 **ALIGN WITH AMERICAN STRATEGIC NA-**
3 **TIONAL SECURITY AND ECONOMIC OBJEC-**
4 **TIVES.**

5 (a) FINDING.—With 276 embassies and other rep-
6 resentative offices globally, China now has more diplo-
7 matic posts around the world than any other country, in-
8 cluding the United States. Many of Beijing’s new missions
9 can be found in countries that recently broke ties with Tai-
10 wan (Burkina Faso, the Dominican Republic, El Salvador,
11 the Gambia, and São Tomé and Príncipe) or do not have
12 any United States diplomatic physical presence despite
13 these countries asking for increased United States engage-
14 ment and investment (Antigua and Barbuda and Domi-
15 nica).

16 (b) SENSE OF CONGRESS.—It is the sense of Con-
17 gress, that the Department of State should conduct an
18 assessment of all United States diplomatic missions and
19 posts to verify such missions and posts align with United
20 States national security and economic interests, as well as
21 ensuring that these locations position the United States
22 appropriately with its strategic competitors to advance the
23 national interest in every country worldwide, including
24 those countries currently lacking any physical United
25 States diplomatic presence, whether an embassy, consulate
26 general, or principal officer post.

1 (c) REPORTING.—Not later than 180 days after the
2 date of the enactment of this Act and biennially thereafter
3 for 4 years, the Secretary of State shall submit to the ap-
4 propriate congressional committees a report assessing the
5 number, location, and objectives of each of its diplomatic
6 missions and posts worldwide, including an assessment of
7 any gaps that exist compared to other country strategic
8 competitors. The Secretary of State shall coordinate with
9 the heads of other Federal departments and agencies hav-
10 ing an overseas presence at any United States diplomatic
11 mission or post to ensure such assessment reflects all Fed-
12 eral Government equities and viewpoints.

13 **SEC. 30218. AUTHORIZATION OF APPROPRIATIONS FOR**
14 **THE FULBRIGHT-HAYS PROGRAM.**

15 There are authorized to be appropriated, for the 5-
16 year period beginning on October 1, 2021, \$105,500,000,
17 to promote education, training, research, and foreign lan-
18 guage skills through the Fulbright-Hays Program, in ac-
19 cordance with section 102(b) of the Mutual Educational
20 and Cultural Exchange Act of 1961 (22 U.S.C. 2452(b)).

21 **SEC. 30219. SUPPORTING INDEPENDENT MEDIA AND COUN-**
22 **TERING DISINFORMATION.**

23 (a) AUTHORIZATION OF USAGM APPROPRIA-
24 TIONS.—There is authorized to be appropriated for the
25 United States Agency for Global Media \$100,000,000 for

1 each of fiscal years 2022 through 2026, for ongoing and
2 new programs to support local media, build independent
3 media, combat CCP disinformation inside and outside of
4 the People’s Republic of China, invest in technology to
5 subvert censorship, and monitor and evaluate such pro-
6 grams, of which—

7 (1) not less than \$70,000,000 shall be directed
8 to a grant to Radio Free Asia language services;

9 (2) not less than \$20,000,000 shall be made
10 available to serve populations in China through
11 Mandarin, Cantonese, Uyghur, and Tibetan lan-
12 guage services; and

13 (3) not less than \$5,500,000 shall be made
14 available for digital media services—

15 (A) to counter propaganda of non-Chinese
16 populations in foreign countries; and

17 (B) to counter propaganda of Chinese pop-
18 ulations in China through “Global Mandarin”
19 programming.

20 (b) SUPPORT FOR LOCAL MEDIA.—The Secretary of
21 State, acting through the Assistant Secretary of State for
22 Democracy, Human Rights, and Labor, and the Adminis-
23 trator of the United States Agency for International De-
24 velopment, acting through the Assistant Administrator for
25 Development, Democracy, and Innovation, shall jointly

1 support and train foreign journalists on investigative tech-
2 niques necessary to ensure public accountability, promote
3 transparency, fight corruption, and support the ability of
4 the public to develop informed opinions about pressing
5 issues facing their countries.

6 (c) INTERNET FREEDOM PROGRAMS.—The Bureau
7 of Democracy, Human Rights, and Labor shall continue
8 to support internet freedom programs.

9 (d) AUTHORIZATION OF APPROPRIATIONS.—There is
10 authorized to be appropriated to the Department of State
11 and United States Agency for International Development
12 \$170,000,000 for each of fiscal years 2022 through 2026,
13 for ongoing and new programs in support of press free-
14 dom, training, and protection of journalists. Amounts ap-
15 propriated pursuant to this authorization are authorized
16 to remain available until expended and shall be in addition
17 to amounts otherwise authorized to be appropriated to
18 support press freedom, training, and protection of journal-
19 ists.

20 **SEC. 30219A. GLOBAL ENGAGEMENT CENTER.**

21 (a) FINDING.—Congress established the Global En-
22 gagement Center to “direct, lead, and coordinate efforts”
23 of the Federal Government to “recognize, understand, ex-
24 pose, and counter foreign state and non-state propaganda
25 and disinformation globally”.

1 (b) EXTENSION.—Section 1287(j) of the National
2 Defense Authorization Act for Fiscal Year 2017 (22
3 U.S.C. 2656 note) is amended by striking “the date that
4 is 8 years after the date of the enactment of this Act”
5 and inserting “December 31, 2027”.

6 (c) SENSE OF CONGRESS.—It is the sense of Con-
7 gress that the Global Engagement Center should expand
8 its coordinating capacity of diplomatic messaging through
9 the exchange of liaison officers with Federal departments
10 and agencies that manage aspects of identifying and coun-
11 tering foreign disinformation, including the Office of the
12 Director of National Intelligence and Special Operations
13 Command’s Joint MISO Web Operations Center.

14 (d) AUTHORIZATION OF APPROPRIATIONS.—There is
15 authorized to be appropriated \$150,000,000 for fiscal year
16 2022 for the Global Engagement Center to counter foreign
17 state and non-state sponsored propaganda and
18 disinformation.

19 **SEC. 30219B. REPORT ON ORIGINS OF THE COVID-19 PAN-**
20 **DEMIC.**

21 (a) SENSE OF CONGRESS.—It is the sense of Con-
22 gress that—

23 (1) it is critical to understand the origins of the
24 COVID-19 pandemic so the United States can bet-

1 ter prepare, prevent, and respond to pandemic
2 health threats in the future;

3 (2) given the impact of the COVID–19 pan-
4 demic on all Americans, the American people deserve
5 to know what information the United States Govern-
6 ment possesses about the origins of COVID–19, as
7 appropriate;

8 (3) it is critical for independent experts to have
9 full access to all pertinent human, animal, and envi-
10 ronmental data, biological sample, research, and per-
11 sonnel involved in the early stages of the outbreak
12 relevant to determining how this pandemic emerged;

13 (4) Congress shares the concerns expressed by
14 the United States Government and 13 other foreign
15 governments that the international team of experts
16 dispatched to the People’s Republic of China by the
17 World Health Organization (WHO) to study the ori-
18 gins of the SARS–CoV–2 virus was “significantly
19 delayed and lacked access to complete, original data
20 and samples”;

21 (5) the March 30, 2021, statement by the Di-
22 rector-General of the WHO, Dr. Tedros Adhanom
23 Ghebreyesus, further affirms that the investigative
24 team had encountered “difficulties” in accessing
25 necessary raw data, that “we have not yet found the

1 source of the virus”, and that “all hypotheses re-
2 main on the table”;

3 (6) the G7 communique expressing support for
4 full implementation of the International Health Reg-
5 ulations, including “a timely, transparent, expert-
6 led, and science-based WHO-convened Phase 2
7 COVID–19 Origins study including, as rec-
8 ommended by the experts’ report, in China” is a val-
9 uable commitment by the United States and its al-
10 lies to investigating the origins of COVID–19 in
11 order to better prepare for future pandemics; and

12 (7) Congress supports the effort announced by
13 President Biden, directing the intelligence commu-
14 nity to conduct a 90 day review to further analyze
15 information pointing to the origins of COVID–19.

16 (b) REPORT REQUIRED.—Not later than 180 days
17 after enactment of this Act, the President shall submit
18 to the appropriate committees of Congress a report con-
19 sisting of—

20 (1) an assessment of the most likely source or
21 origin of the SARS–CoV–2 virus, including a de-
22 tailed review of all information the United States
23 possesses that it has identified as potentially rel-
24 evant to the source or origin of the SARS–CoV–2
25 virus, including zoonotic transmission and spillover,

1 or other sources of origin, transmission, or spillover,
2 based on the information the United States Govern-
3 ment has to date;

4 (2) its level of confidence in its assessment; and
5 (3) challenges identified to its ability to make
6 such an assessment.

7 (c) FORM.—The report required by subsection (b)
8 shall be submitted in unclassified form but may include
9 a classified annex.

10 (d) APPROPRIATE COMMITTEES OF CONGRESS DE-
11 FINED.—In this section, the term “appropriate commit-
12 tees of Congress” means—

13 (1) the Committee on Foreign Relations of the
14 Senate;

15 (2) the Select Committee on Intelligence of the
16 Senate;

17 (3) the Committee on Health, Education,
18 Labor, and Pensions of the Senate;

19 (4) the Committee on Energy and Natural Re-
20 sources of the Senate;

21 (5) the Committee on Foreign Affairs of the
22 House of Representatives;

23 (6) the Permanent Select Committee on Intel-
24 ligence of the House of Representatives; and

1 (7) the Committee on Energy and Commerce of
2 the House of Representatives.

3 **SEC. 30219C. EXTENSION OF ASIA REASSURANCE INITIA-**
4 **TIVE ACT OF 2018.**

5 (a) SENSE OF CONGRESS.—It is the sense of Con-
6 gress that—

7 (1) the Indo-Pacific region is home to many of
8 the world’s most dynamic democracies, economic op-
9 portunities, as well as many challenges to United
10 States interests and values as a result of the growth
11 in authoritarian governance in the region and by
12 broad challenges posed by nuclear proliferation, the
13 changing environment, and deteriorating adherence
14 to human rights principles and obligations;

15 (2) the People’s Republic of China poses a par-
16 ticular threat as it repeatedly violates internationally
17 recognized human rights, engages in unfair economic
18 and trade practices, disregards international laws
19 and norms, coerces its neighbors, engages in malign
20 influence operations, and enables global digital
21 authoritarianism;

22 (3) the Asia Reassurance Initiative Act of 2018
23 (“ARIA”) enhances the United States’ commitment
24 in the Indo-Pacific region by—

1 (A) expanding its defense cooperation with
2 its allies and partners;

3 (B) investing in democracy and the protec-
4 tion of human rights;

5 (C) engaging in cybersecurity initiatives;
6 and

7 (D) supporting people-to-people engage-
8 ment and other shared priorities; and

9 (4) the 2019 Department of Defense Indo-Pa-
10 cific Strategy Report concludes that ARIA “en-
11 shrines a generational whole-of-government policy
12 framework that demonstrates U.S. commitment to a
13 free and open Indo-Pacific region”.

14 (b) AUTHORIZATION OF APPROPRIATIONS.—The
15 Asia Reassurance Initiative Act of 2018 (Public Law 115–
16 409) is amended—

17 (1) in section 201(b), by striking
18 “\$1,500,000,000 for each of the fiscal years 2019
19 through 2023” and inserting “\$2,000,000,000 for
20 each of fiscal years 2022 through 2026”;

21 (2) in section 215(b), by striking “2023” and
22 inserting “2026”;

23 (3) in section 306(a)—

24 (A) in paragraph (1), by striking “5
25 years” and inserting “8 years”; and

1 (B) in paragraph (2), by striking “2023”
2 and inserting “2026”;

3 (4) in section 409(a)(1), by striking “2023”
4 and inserting “2026”;

5 (5) in section 410—

6 (A) in subsection (c), by striking “2023”
7 and inserting “2026”; and

8 (B) in subsection (d), in the matter pre-
9 ceding paragraph (1), by striking “2023” and
10 inserting “2026”; and

11 (6) in section 411, by striking “2023” and in-
12 serting “2026”.

13 **SEC. 30219D. CHINA WATCHER PROGRAM.**

14 (a) IN GENERAL.—The Secretary of State, acting
15 through the Assistant Secretary of State for East Asian
16 and Pacific Affairs, and in coordination with relevant of-
17 fices and bureaus of the Department of State, shall imple-
18 ment a “China Watcher Program” within the Department
19 of State to—

20 (1) monitor and combat Chinese malign influ-
21 ence across economic and political sectors in foreign
22 countries; and

23 (2) augment the capacity of United States Gov-
24 ernment engagement with foreign countries and re-
25 gional and international economic and political orga-

1 nizations and institutions relating to policy coordina-
2 tion regarding China and such Chinese malign influ-
3 ence.

4 (b) **PLACEMENT.**—In carrying out the China Watch-
5 er Program under this section, the Secretary of State shall
6 place Foreign Service officers in positions in select United
7 States diplomatic and consular posts, at the discretion of
8 the Secretary of State, to engage both Chinese and third-
9 country nationals, including host governments, on the
10 matters described in subsection (a).

11 (c) **ANNUAL REPORT.**—Each diplomatic or consular
12 post with a China Watcher Program shall produce an an-
13 nual report outlining the steps each such post has taken
14 to advance the mission, trends observed, and the nature
15 and extent of Chinese foreign direct investment and influ-
16 ence in key economic and political sectors, including tech-
17 nology, manufacturing, transportation, energy, metals, ag-
18 riculture, and real estate.

19 (d) **AUTHORIZATION OF ANNUAL APPROPRIA-**
20 **TIONS.**—There is authorized to be appropriated
21 \$5,000,000 for fiscal year 2022 and each fiscal year there-
22 after to carry out this section.

1 **SEC. 30219E. LIU XIAOBO FUND FOR STUDY OF THE CHI-**
2 **NESE LANGUAGE.**

3 (a) SENSE OF CONGRESS.—It is the sense of Con-
4 gress that—

5 (1) as a substitute to Confucius Institutes, the
6 United States Government should invest heavily into
7 alternative programs and institutions that ensure
8 there remains a robust pipeline of Americans learn-
9 ing China’s many languages; and

10 (2) in a 21st century that will be dominated by
11 a strategic competition between the United States
12 and China, it is in the national security interests of
13 the United States to ensure that Americans continue
14 to invest in Chinese language skills, as well as Ti-
15 betan, Uyghur, and Mongolian languages, while en-
16 suring they can do so in a context free of malign po-
17 litical influence from foreign state actors.

18 (b) ESTABLISHMENT OF THE LIU XIAOBO FUND FOR
19 STUDY OF THE CHINESE LANGUAGE.—The Secretary of
20 State shall establish in the Department of State the “Liu
21 Xiaobo Fund for Study of the Chinese Language” to fund
22 study by United States persons of Mandarin and Can-
23 tonese Chinese, Tibetan, Uyghur, Mongolian, and other
24 contemporary spoken languages of China, abroad or in the
25 United States.

1 (c) AUTHORIZATION OF APPROPRIATIONS.—There
2 are authorized to be appropriated to the Department of
3 State for fiscal year 2021 and every fiscal year thereafter,
4 \$10,000,000 to carry out the Liu Xiaobo Fund for Study
5 of the Chinese Language.

6 (d) REQUIRED ACTIVITIES.—Amounts authorized to
7 be appropriated pursuant to subsection (c) shall—

8 (1) be designed to advance the national security
9 and foreign policy interests of the United States, as
10 determined by the Secretary of State;

11 (2) favor funding mechanisms that can maxi-
12 mize the total number of United States persons
13 given the opportunity to acquire full conversational
14 linguistic proficiency in Mandarin and Cantonese
15 Chinese, Tibetan, Uyghur, Mongolian, and other
16 contemporary spoken languages of China;

17 (3) favor funding mechanisms that provide op-
18 portunities for such language study to areas tradi-
19 tionally under-served by such opportunities;

20 (4) be shaped by an ongoing consultative proc-
21 ess taking into account design inputs of—

22 (A) civil society institutions, including Chi-
23 nese diaspora community organizations;

24 (B) language experts in Mandarin and
25 Cantonese Chinese, Tibetan, Uyghur, Mongo-

1 lian, and other contemporary spoken languages
2 of China;

3 (C) organizations representing historically
4 disadvantaged socioeconomic groups in the
5 United States; and

6 (D) human rights organizations; and

7 (5) favor opportunities to fund the study of
8 Mandarin and Cantonese Chinese, Tibetan, Uyghur,
9 Mongolian, and other contemporary spoken lan-
10 guages of China at Alaska Native-serving institu-
11 tions, Asian American and Native American Pacific
12 Islander-serving institutions, Hispanic-serving insti-
13 tutions, historically Black college or universities, Na-
14 tive American-serving nontribal institutions, Native
15 Hawaiian-serving institutions, Predominantly Black
16 institutions, Tribal Colleges or Universities.

17 (e) REPORT.—

18 (1) IN GENERAL.—Not later than 120 days
19 after the date of the enactment of this Act and an-
20 nually thereafter for five years, the Secretary of
21 State, in consultation with the heads of appropriate
22 Federal departments and agencies, as appropriate,
23 shall submit to the Committee on Foreign Affairs of
24 the House of Representatives and the Committee on
25 Foreign Relations of the Senate a report detailing

1 activities and disbursements made to carry out this
2 Act over the immediately preceding academic year.

3 (2) REPORT CONTENTS.—Each report required
4 under paragraph (1) shall include details on—

5 (A) which institutions, programs, or enti-
6 ties received funds through the Liu Xiaobo
7 Fund for Study of the Chinese Language;

8 (B) funds distribution disaggregated by in-
9 stitution, program, or entity, including identi-
10 fication of the State or country in which such
11 institution, program, or entity is located;

12 (C) the number of United States persons
13 who received language study under the Liu
14 Xiaobo Fund for Study of the Chinese Lan-
15 guage, and the average amount disbursed per
16 person for such study;

17 (D) a comparative analysis of per dollar
18 program effectiveness and efficiency in allowing
19 United States persons to reach conversational
20 proficiency Mandarin or Cantonese Chinese, Ti-
21 betan, Uyghur, Mongolian, or other contem-
22 porary spoken languages of China;

23 (E) an analysis of which of the languages
24 referred to in subparagraph (D) were studied

1 through the funding from the Liu Xiaobo Fund
2 for Study of the Chinese Language; and

3 (F) any recommendations of the Secretary
4 of State for improvements to the authorities,
5 priorities, or management of the Liu Xiaobo
6 Fund for Study of the Chinese Language.

7 (f) INTERAGENCY FUNDS TRANSFERS AUTHORIZA-
8 TION.—Amounts authorized to be appropriated to the Sec-
9 retary of State to carry out this Act are authorized to be
10 transferred to the heads of other appropriate Federal de-
11 partments and agencies for similar purposes, subject to
12 prior notification to the Committee on Foreign Affairs of
13 the House of Representatives and the Committee on For-
14 eign Relations of the Senate. Such heads shall consult with
15 the Secretary in the preparation of the report required
16 under subsection (e).

17 (g) LIMITATIONS.—Amounts authorized to be appro-
18 priated to carry out this Act may only be made available
19 for the costs of language study funded and administration
20 incurred by the Department of State or programs carried
21 out by the Department of State (or by another Federal
22 department or agency pursuant to subsection (f)) to carry
23 out this section.

24 (h) DEFINITIONS.—In this section:

1 (1) ALASKA NATIVE-SERVING INSTITUTION.—
2 The term “Alaska Native-serving institution” has
3 the meaning given such term in section 317(b) of
4 the Higher Education Act of 1965 (20 U.S.C.
5 1059d(b)).

6 (2) ASIAN AMERICAN AND NATIVE AMERICAN
7 PACIFIC ISLANDER-SERVING INSTITUTION.—The
8 term “Asian American and Native American Pacific
9 Islander-serving institution” has the meaning given
10 such term in section 371(c) of the Higher Education
11 Act of 1965 (20 U.S.C. 1067q(c)).

12 (3) HISPANIC-SERVING INSTITUTION.—The
13 term “Hispanic-serving institution” has the meaning
14 given such term in section 502 of the Higher Edu-
15 cation Act of 1965 (20 U.S.C. 1101a).

16 (4) HISTORICALLY BLACK COLLEGE OR UNI-
17 VERSITY.—The term “historically Black college or
18 university” means a part B institution described in
19 section 322(2) of the Higher Education Act of 1965
20 (22 U.S.C. 1061(2)).

21 (5) NATIVE AMERICAN-SERVING NONTRIBAL IN-
22 STITUTION.—The term “Native American-serving
23 nontribal institution” has the meaning given such
24 term in section 371(c) of the Higher Education Act
25 of 1965 (20 U.S.C. 1067q(c)).

1 (6) NATIVE HAWAIIAN-SERVING INSTITUTION.—
2 The term “Native Hawaiian-serving institution” has
3 the meaning given such term in section 317(b) of
4 the Higher Education Act of 1965 (20 U.S.C.
5 1059d(b)).

6 (7) PREDOMINANTLY BLACK INSTITUTION.—
7 The term “Predominantly Black institution” has the
8 meaning given such term in section 371(c) of the
9 Higher Education Act of 1965 (20 U.S.C.
10 1067q(c)).

11 (8) TRIBAL COLLEGE OR UNIVERSITY.—The
12 term “Tribal College or University” has the meaning
13 given such term in section 316(b) of the Higher
14 Education Act of 1965 (20 U.S.C. 1059c(b)).

15 **SEC. 30219F. OVERSIGHT OF FUNDS MADE AVAILABLE**
16 **THROUGH THE AMERICAN RESCUE PLAN ACT**
17 **OF 2021.**

18 (a) AUTHORITIES AND CONDITIONS.—Amounts au-
19 thorized and appropriated under title X of the American
20 Rescue Plan Act of 2021 (Public Law 117–2) to carry
21 out the Foreign Assistance Act of 1961 (22 U.S.C. 2151
22 et seq.) shall be subject to the applicable authorities and
23 conditions for funds made available to carry out the For-
24 eign Assistance Act of 1961 (22 U.S.C. 2151 et seq.) and
25 division K of Public Law 116–260.

1 (b) OVERSIGHT AND ACCOUNTABILITY.—Amounts
2 authorized and appropriated under sections 10001 and
3 10002 of American Rescue Plan Act of 2021 may be
4 transferred to the Inspector General of the Department
5 of State and the Inspector General of the United States
6 Agency for International Development to expand the ca-
7 pacity of such Inspectors General to conduct effective
8 oversight of the foreign assistance programs and activities
9 under such Act.

10 (c) UNITED STATES CONTRIBUTIONS TO THE GLOB-
11 AL FUND TO FIGHT AIDS, TUBERCULOSIS, AND MALARIA
12 COVID–19 RESPONSE MECHANISM.—United States con-
13 tributions to the Global Fund to Fight AIDS, Tuber-
14 culosis, and Malaria COVID–19 Response Mechanism
15 under section 10003(a)(2) of American Rescue Plan Act
16 of 2021—

17 (1) shall be meaningfully leveraged in a manner
18 that incentivizes other public and private donor con-
19 tributions; and

20 (2) shall be subject to the reporting and with-
21 holding requirements under subsections (c),
22 (d)(4)(A)(ii), (d)(4)(C), (d)(5), (d)(6), (f), and (g) of
23 section 202 of the United States Leadership Against
24 HIV/AIDS, Tuberculosis, and Malaria Act of 2003
25 (22 U.S.C. 7622).

1 **SEC. 30219G. REQUIREMENTS RELATING TO VACCINE**
2 **BRANDING.**

3 The President shall ensure that every vaccine donated
4 or otherwise procured and financed by the United States
5 Government shall be clearly branded with the United
6 States flag.

7 **Subtitle B—International Security**
8 **Matters**

9 **SEC. 30221. APPROPRIATE COMMITTEES OF CONGRESS.**

10 In this subtitle, the term “appropriate committees of
11 Congress” means—

12 (1) the Committee on Foreign Relations, the
13 Committee on Armed Services, and the Committee
14 on Appropriations of the Senate; and

15 (2) the Committee on Foreign Affairs, the
16 Committee on Armed Services, and the Committee
17 on Appropriations of the House of Representatives.

18 **SEC. 30222. ADDITIONAL FUNDING FOR INTERNATIONAL**
19 **MILITARY EDUCATION AND TRAINING IN THE**
20 **INDO-PACIFIC.**

21 There is authorized to be appropriated for each of
22 fiscal years 2022 through fiscal year 2026 for the Depart-
23 ment of State, out of amounts authorized to be appro-
24 priated or otherwise made available for assistance under
25 chapter 5 of part II of the Foreign Assistance Act of 1961
26 (22 U.S.C. 2347 et seq.) (relating to international military

1 education and training assistance), \$45,000,000 for activi-
2 ties in the Indo-Pacific region in accordance with this sub-
3 title. Funds may be disbursed only after vetting of individ-
4 uals proposed to be trained, consistent with sections 502B
5 and 620M of the Foreign Assistance Act of 1961 (22
6 U.S.C. 2304 and 2378d).

7 **SEC. 30223. STATEMENT OF POLICY ON MARITIME FREE-**
8 **DOM OF OPERATIONS IN INTERNATIONAL**
9 **WATERWAYS AND AIRSPACE OF THE INDO-**
10 **PACIFIC AND ON ARTIFICIAL LAND FEA-**
11 **TURES IN THE SOUTH CHINA SEA.**

12 (a) SENSE OF CONGRESS.—Congress—

13 (1) condemns coercive and threatening actions
14 or the use of force to impede freedom of navigation
15 operations in international airspace by military or ci-
16 vilian aircraft, to alter the status quo, or to desta-
17 bilize the Indo-Pacific region;

18 (2) urges the Government of the People’s Re-
19 public of China to refrain from implementing the de-
20 clared East China Sea Air Defense Identification
21 Zone (ADIZ), or an ADIZ in the South China Sea,
22 where contrary to freedom of overflight in inter-
23 national airspace, and to refrain from taking similar
24 provocative actions elsewhere in the Indo-Pacific re-
25 gion;

1 (3) reaffirms that the 2016 Permanent Court
2 of Arbitration decision is final and legally binding on
3 both parties and that the People’s Republic of Chi-
4 na’s claims to offshore resources across most of the
5 South China Sea are unlawful; and

6 (4) condemns the People’s Republic of China
7 for failing to abide by the 2016 Permanent Court of
8 Arbitration ruling, despite the PRC’s obligations as
9 a state party to the United Nations Convention on
10 the Law of the Sea.

11 (b) STATEMENT OF POLICY.—It shall be the policy
12 of the United States to—

13 (1) reaffirm its commitment and support for al-
14 lies and partners in the Indo-Pacific region, includ-
15 ing with respect to the mutual defense treaties with
16 Indo-Pacific allies;

17 (2) oppose claims that impinge on the rights,
18 freedoms, and lawful use of the sea, or the airspace
19 above it, that are available to all countries, and op-
20 pose the militarization of new and reclaimed land
21 features in the South China Sea;

22 (3) continue certain policies with respect to the
23 PRC claims in the South China Sea, specifically—

1 (A) that PRC claims in the South China
2 Sea, including to offshore resources across most
3 of the South China Sea, are unlawful;

4 (B) that the PRC cannot lawfully assert a
5 maritime claim vis-à-vis the Philippines in areas
6 that the Permanent Court of Arbitration found
7 to be in the Philippines' Exclusive Economic
8 Zone (EEZ) or on its continental shelf;

9 (C) to reject any PRC claim to waters be-
10 yond a 12 nautical mile territorial sea derived
11 from islands it claims in the Spratly Islands;
12 and

13 (D) that the PRC has no lawful territorial
14 or maritime claim to James Shoal;

15 (4) urge all parties to refrain from engaging in
16 destabilizing activities, including environmentally
17 harmful and provocative land reclamation;

18 (5) ensure that disputes are managed without
19 intimidation, coercion, or force;

20 (6) call on all claimants to clarify or adjust
21 claims in accordance with international law;

22 (7) uphold the principle that territorial and
23 maritime claims, including territorial waters or terri-
24 torial seas, must derive from land features and oth-
25 erwise comport with international law;

1 (8) oppose the imposition of new fishing regula-
2 tions covering disputed areas in the South China
3 Sea, regulations which have raised tensions in the
4 region;

5 (9) support an effective Code of Conduct, if
6 that Code of Conduct reflects the interests of South-
7 east Asian claimant countries and does not serve as
8 a vehicle for the People's Republic of China to ad-
9 vance its unlawful maritime claims;

10 (10) reaffirm that an existing body of inter-
11 national rules and guidelines, including the Inter-
12 national Regulations for Preventing Collisions at
13 Sea, done at London October 12, 1972 (COLREGs),
14 is sufficient to ensure the safety of navigation be-
15 tween the United States Armed Forces and the
16 forces of other countries, including the People's Re-
17 public of China;

18 (11) support the development of regional insti-
19 tutions and bodies, including the ASEAN Regional
20 Forum, the ASEAN Defense Minister's Meeting
21 Plus, the East Asia Summit, and the expanded
22 ASEAN Maritime Forum, to build practical coopera-
23 tion in the region and reinforce the role of inter-
24 national law;

1 (12) encourage the deepening of partnerships
2 with other countries in the region for maritime do-
3 main awareness and capacity building, as well as ef-
4 forts by the United States Government to explore
5 the development of appropriate multilateral mecha-
6 nisms for a “common operating picture” in the
7 South China Sea among Southeast Asian countries
8 that would serve to help countries avoid destabilizing
9 behavior and deter risky and dangerous activities;

10 (13) oppose actions by any country to prevent
11 any other country from exercising its sovereign
12 rights to the resources of the exclusive economic
13 zone (EEZ) and continental shelf by making claims
14 to those areas in the South China Sea that have no
15 support in international law; and

16 (14) assure the continuity of operations by the
17 United States in the Indo-Pacific region, including,
18 when appropriate, in cooperation with partners and
19 allies, to reaffirm freedom of navigation and over-
20 flight and other lawful uses of the sea.

21 **SEC. 30224. REPORT ON CAPABILITY DEVELOPMENT OF**
22 **INDO-PACIFIC ALLIES AND PARTNERS.**

23 (a) SENSE OF CONGRESS.—It is the sense of Con-
24 gress that—

1 (1) the Secretary of State should expand and
2 strengthen existing measures under the United
3 States Conventional Arms Transfer Policy to provide
4 capabilities to allies and partners consistent with
5 agreed-on division of responsibility for alliance roles,
6 missions and capabilities, prioritizing allies and part-
7 ners in the Indo-Pacific region in accordance with
8 United States strategic imperatives;

9 (2) the United States should design for export
10 to Indo-Pacific allies and partners capabilities crit-
11 ical to maintaining a favorable military balance in
12 the region, including long-range precision fires, air
13 and missile defense systems, anti-ship cruise mis-
14 siles, land attack cruise missiles, conventional
15 hypersonic systems, intelligence, surveillance, and re-
16 connaissance capabilities, and command and control
17 systems consistent with law, regulation, policy, and
18 international commitments;

19 (3) the United States should pursue, to the
20 maximum extent possible, anticipatory technology
21 security and foreign disclosure policy on the systems
22 described in paragraph (2);

23 (4) the Secretary of State, in coordination with
24 the Secretary of Defense, should—

1 (A) urge allies and partners to invest in
2 sufficient quantities of munitions to meet con-
3 tingency requirements and avoid the need for
4 accessing United States stocks in wartime; and

5 (B) cooperate with allies to deliver such
6 munitions, or when necessary, to increase allies'
7 capacity to produce such munitions; and

8 (5) it is in the United States interest to not au-
9 thorize arms transfers or security cooperation to
10 governments that demonstrate patterns of gross vio-
11 lations of human rights if such arms or security co-
12 operation could be used to commit or support such
13 violations.

14 (b) APPROPRIATE COMMITTEES OF CONGRESS.—In
15 this section, the term “appropriate committees of Con-
16 gress” means—

17 (1) the Committee on Foreign Relations, the
18 Committee on Armed Services, and the Committee
19 on Appropriations of the Senate; and

20 (2) the Committee on Foreign Affairs, the
21 Committee on Armed Services, and the Committee
22 on Appropriations of the House of Representatives.

23 (c) REPORT.—

24 (1) IN GENERAL.—Not later than 90 days after
25 the date of the enactment of this Act, the Secretary

1 of State, in consultation with the Secretary of De-
2 fense, shall submit to the appropriate committees of
3 Congress a report that describes United States pri-
4 orities for building more capable security partners in
5 the Indo-Pacific region.

6 (2) MATTERS TO BE INCLUDED.—The report
7 required under paragraph (1) shall—

8 (A) provide a priority list of defense and
9 military capabilities that Indo-Pacific allies and
10 partners must possess for the United States to
11 be able to achieve its military objectives in the
12 Indo-Pacific region;

13 (B) identify, from the list referred to in
14 subparagraph (A), the capabilities that are best
15 provided, or can only be provided, by the
16 United States;

17 (C) identify—

18 (i) actions required to expedite field-
19 ing the capabilities identified in subpara-
20 graph (B); and

21 (ii) steps needed to fully account for
22 and a plan to integrate all means of
23 United States foreign military sales, direct
24 commercial sales, security assistance, and
25 all applicable authorities of the Depart-

1 ment of State and the Department of De-
2 fense;

3 (D) assess the requirements for United
4 States security assistance, including Inter-
5 national Military Education and Training, in
6 the Indo-Pacific region, as a part of the means
7 to deliver critical partner capability require-
8 ments identified in subparagraph (B);

9 (E) assess the resources necessary to meet
10 the requirements for United States security as-
11 sistance, and identify resource gaps;

12 (F) assess the major obstacles to fulfilling
13 requirements for United States security assist-
14 ance in the Indo-Pacific region, including re-
15 sources and personnel limits, foreign legislative
16 and policy barriers, and factors related to spe-
17 cific partner countries;

18 (G) identify limitations on the ability of
19 the United States to provide such capabilities,
20 including capabilities identified under subpara-
21 graph (B), because of existing United States
22 treaty obligations, United States policies, in-
23 cluding sections 502B and 620M of the Foreign
24 Assistance Act of 1961 (22 U.S.C. 2304 and
25 2378d), or other regulations;

1 (H) recommend improvements to the proc-
2 ess for developing requirements for United
3 States partner capabilities; and

4 (I) identify required jointly agreed rec-
5 ommendations for infrastructure and posture,
6 based on any ongoing mutual dialogues.

7 (3) FORM.—The report required under this
8 subsection shall be unclassified, but may include a
9 classified annex.

10 **SEC. 30225. STATEMENT OF POLICY REGARDING THE**
11 **THREAT POSED BY THE CHINESE COM-**
12 **MUNIST PARTY TO THE NORTH ATLANTIC**
13 **TREATY ORGANIZATION.**

14 It is the policy of the United States to—

15 (1) urge NATO allies to work closely with like-
16 minded partners, in particular with the European
17 Union, to protect critical infrastructure, strengthen
18 resilience, maintain a technological edge, and ad-
19 dress the challenges to the rules-based international
20 order posed by the Chinese Communist Party;

21 (2) encourage NATO allies to explore how to
22 monitor and defend against any activity of the Chi-
23 nese Communist Party that could impact collective
24 defense, military readiness, or resilience in the Su-
25 preme Allied Commander Europe's Area of Respon-

1 sibility, including by identifying vulnerabilities of key
2 sectors and supply chains, in coordination with the
3 European Union;

4 (3) push for NATO allies to establish a consult-
5 ative body to bring together such allies, and other
6 institutions and partners as relevant, to exchange in-
7 formation, share experiences, and discuss all aspects
8 of such allies' security interests with respect to the
9 Chinese Communist Party; and

10 (4) prioritize urging all NATO allies to share
11 the burden that comes with collective security in an
12 increasingly complex security environment by reach-
13 ing by 2024 the pledge set at the 2014 Wales Sum-
14 mit to spend two percent of GDP on defense spend-
15 ing and 20 percent of annual defense spending on
16 major new equipment.

17 **SEC. 30226. IDENTIFICATION OF PLA-SUPPORTED INSTITU-**
18 **TIONS.**

19 (a) IN GENERAL.—Not later than 60 days after the
20 date of the enactment of this Act, and annually thereafter,
21 the Secretary of State shall publish and disseminate to
22 United States institutions and places of study a list identi-
23 fying the research, engineering, and scientific institutions
24 that the Secretary determines are affiliated with, or fund-
25 ed by, the Chinese People's Liberation Army.

1 (b) FORM.—The list published and disseminated
2 under subsection (a) shall be unclassified and publicly ac-
3 cessible, but may include a classified annex.

4 **Subtitle C—Multilateral Strategies** 5 **to Bolster American Power**

6 **SEC. 30231. FINDINGS ON MULTILATERAL ENGAGEMENT.**

7 Congress finds the following:

8 (1) Every UN member state is legally required
9 to finance the UN's core budget in order to ensure
10 that these missions are properly resourced, and as-
11 sessment rates are renegotiated every three years by
12 the UN General Assembly.

13 (2) While the United States is the largest single
14 financial contributor to the UN system, the current
15 model is beneficial because it requires all UN mem-
16 ber states, no matter how big or small, to help
17 shoulder the UN's regular and peacekeeping budgets
18 at specified levels.

19 (3) Failing to meet our financial commitments
20 to the UN also empowers the PRC, which has raised
21 our annual shortfalls to claim we are not a reliable
22 partner and is seeking to leverage its own contribu-
23 tions to the regular budget and peacekeeping in
24 ways that run counter to United States interests and
25 values.

1 (4) The People's Republic of China is now the
2 second largest financial contributor to UN peace-
3 keeping, having gone from an assessment rate of
4 just 3 percent in 2008 to more than 15 percent
5 today, and is the ninth largest troop-contributor to
6 UN missions, providing more personnel than the
7 other four permanent members of the Security
8 Council combined.

9 (5) With greater engagement comes greater in-
10 fluence, and PRC diplomats have sought to use their
11 expanded clout to push back against the human
12 rights, civilian protection, and gender-based violence
13 aspects of UN peacekeeping mandates, using United
14 States funding shortfalls as a pretext.

15 (6) The PRC has also used its growing clout to
16 fill key posts at UN agencies: Chinese nationals cur-
17 rently occupy the top posts of four of the UN's 15
18 specialized agencies, while the United States occu-
19 pies only one.

20 (7) From 2021 to 2022, there will be 15 elec-
21 tions for the heads of UN specialized agencies and
22 five for major UN funds and programs. With the ex-
23 ception of the World Food Programme, none are
24 currently led by Americans.

1 (8) A 2020 Department of State Inspector Gen-
2 eral Inspection found that the Bureau for Inter-
3 national Organizations did not have a standard oper-
4 ating procedure for tracking and promoting the em-
5 ployment of American Citizens in the UN system,
6 and their recommendation to the department to es-
7 tablish one remains open.

8 **SEC. 30232. STATEMENT OF POLICY ON AMERICA'S MULTI-**
9 **LATERAL ENGAGEMENT.**

10 It is the policy of the United States that—

11 (1) the Permanent Representative of the United
12 States to the United Nations serves as a standing
13 member of the cabinet;

14 (2) assessed dues to multilateral organizations
15 be paid in full in a timely fashion;

16 (3) Federal agencies utilize all the authorities
17 under section 3343 of title 5, United States Code,
18 and subpart C of title 5, Code of Federal Regula-
19 tions (relating to detail and transfer of Federal em-
20 ployees to international organizations), to detail or
21 transfer employees to relevant international organi-
22 zations;

23 (4) the Secretary of State should assist the De-
24 partment of State and other Federal agencies in car-
25 rying out paragraph (3) to the fullest extent;

1 (5) the Secretary of State should support quali-
2 fied American candidates in their bid to win election
3 to United Nations-related leadership positions; and

4 (6) the Secretary of State should support the
5 placement of Junior Professional Officers sponsored
6 by the United States in United Nations-affiliated
7 agencies.

8 **SEC. 30233. SUPPORT FOR AMERICANS AT THE UNITED NA-**
9 **TIONS.**

10 (a) ESTABLISHMENT.—The Secretary of State is au-
11 thorized to establish within the Department of State’s Bu-
12 reau of International Organization Affairs an Office of
13 Multilateral Strategy and Personnel.

14 (b) DUTIES.—The office established under subsection
15 (a) of this section shall be responsible for—

16 (1) promoting United States leadership and
17 participation in the United Nations system, with a
18 focus on issue areas where authoritarian nations are
19 exercising increased influence in and determining the
20 agenda of the United Nations system;

21 (2) establishing and implementing a standard
22 operating procedure for the promotion and efficient
23 tracking of United States citizen employment at the
24 United Nations and other international organiza-
25 tions that includes Mission Geneva;

1 (3) monitoring the pipeline of United Nations
2 jobs and identifying qualified United States citizens
3 and other qualified nationals to promote for such po-
4 sitions;

5 (4) tracking leadership changes in United Na-
6 tions Secretariat, funds, programs, and agencies,
7 and developing strategies to ensure that coalitions of
8 like-minded countries are assembled to ensure lead-
9 ership races are not won by countries that do not
10 share United States interests;

11 (5) eliminating current barriers to the employ-
12 ment of United States citizens in the United Nations
13 Secretariat, funds, programs, and agencies; and

14 (6) increasing the number of qualified United
15 States candidates for leadership and oversight posi-
16 tions at the United Nations Secretariat, funds, pro-
17 grams, agencies, and at other international organiza-
18 tions.

19 **SEC. 30234. JUNIOR PROFESSIONAL OFFICERS.**

20 (a) **INCREASE IN JUNIOR PROFESSIONAL OFFICER**
21 **POSITIONS.**—The Secretary of State should increase the
22 number of Junior Professional Officer positions sponsored
23 by the United States within the United Nations system.

24 (b) **REPORT.**—Not later than December 31 of each
25 year, the Secretary of State shall provide the appropriate

1 congressional committees information regarding the
2 amount of funding each bureau has designated during the
3 immediately preceding fiscal year for Junior Professional
4 Officer positions in the United Nations system and the
5 number of such positions that exist as of the end of the
6 prior fiscal year.

7 **SEC. 30235. REPORT ON AMERICAN EMPLOYMENT IN**
8 **INTERNATIONAL ORGANIZATIONS.**

9 (a) IN GENERAL.—Not later than 180 days after the
10 date of the enactment of this Act and annually thereafter,
11 the Secretary of State, in consultation with the heads of
12 other Federal departments and agencies as appropriate,
13 shall develop and submit to the appropriate congressional
14 committees a report on how many Federal employees are
15 currently detailed or transferred to an international orga-
16 nization during the immediately preceding 1-year period
17 and a strategy for increasing the number of Federal em-
18 ployees so detailed or transferred.

19 (b) MATTERS TO BE INCLUDED.—Each report re-
20 quired by subsection (a) shall include the following:

21 (1) The number of Federal employees detailed
22 or transferred to an international organization under
23 section 3343 of title 5, United States Code, and sub-
24 part C of title 5, Code of Federal Regulations (relat-

1 ing to the detail and transfer of Federal employees
2 to international organizations), including—

3 (A) an identification of the Federal agency
4 from which such employees were detailed or
5 transferred; and

6 (B) an identification of the international
7 organizations to and from which such employ-
8 ees have been so detailed or transferred.

9 (2) A list of international organizations to and
10 from which the United States previously detailed or
11 transferred Federal employees.

12 **Subtitle D—Regional Strategies to**
13 **Bolster American Power**

14 **SEC. 30241. STATEMENT OF POLICY ON COOPERATION**
15 **WITH ALLIES AND PARTNERS AROUND THE**
16 **WORLD.**

17 It is the policy of the United States—

18 (1) to strengthen alliances and partnerships
19 with like-minded countries around the globe; and

20 (2) to work in collaboration with such allies and
21 partners—

22 (A) to address significant diplomatic, eco-
23 nomic, and military challenges posed by the
24 People's Republic of China (PRC);

1 (B) to deter the PRC from pursuing mili-
2 tary aggression;

3 (C) to promote the peaceful resolution of
4 territorial disputes in accordance with inter-
5 national law;

6 (D) to promote private sector-led long-term
7 economic development while countering efforts
8 by the Government of the PRC to leverage
9 predatory economic practices as a means of po-
10 litical and economic coercion in the Indo-Pacific
11 region and beyond;

12 (E) to promote the values of democracy
13 and human rights, including through efforts to
14 end the repression by the PRC of political dis-
15 sidents, Uyghurs and other Muslim minorities,
16 Tibetan Buddhists, Christians, and other ethnic
17 minorities;

18 (F) to respond to the crackdown by the
19 PRC, in contravention of the commitments
20 made under the Sino-British Joint Declaration
21 of 1984 and the Basic Law of Hong Kong, on
22 the legitimate aspirations of the people of Hong
23 Kong; and

24 (G) to counter the PRC Government's ef-
25 forts to spread disinformation in the PRC and

1 beyond with respect to its response to COVID–
2 19.

3 **PART 1—WESTERN HEMISPHERE**

4 **SEC. 30242. SENSE OF CONGRESS REGARDING UNITED**
5 **STATES-CANADA RELATIONS.**

6 It is the sense of Congress that—

7 (1) the United States and Canada have a
8 unique relationship based on shared geography, ex-
9 tensive personal connections, deep economic ties,
10 mutual defense commitments, and a shared vision to
11 uphold democracy, human rights, and the rules
12 based international order established after World
13 War II;

14 (2) the United States and Canada can better
15 address the People’s Republic of China’s economic,
16 political, and security influence through closer co-
17 operation on counternarcotics, environmental stew-
18 ardship, transparent practices in public procurement
19 and infrastructure planning, the Arctic, energy and
20 connectivity issues, commercial relations, bilateral
21 legal matters, and support for democracy, good gov-
22 ernance, and human rights;

23 (3) amidst the COVID–19 pandemic, the
24 United States and Canada should maintain joint ini-
25 tiatives to address border management, commercial

1 relations and infrastructure, a shared approach with
2 respect to the People’s Republic of China, and
3 transnational challenges, including pandemics, en-
4 ergy security, and environmental stewardship;

5 (4) the United States and Canada should en-
6 hance cooperation to counter Chinese disinformation,
7 influence operations, economic espionage, and propa-
8 ganda efforts;

9 (5) the People’s Republic of China’s infrastruc-
10 ture investments, particularly in 5G telecommuni-
11 cations technology, extraction of natural resources,
12 and port infrastructure, pose national security risks
13 for the United States and Canada;

14 (6) the United States should share, as appro-
15 priate, intelligence gathered regarding—

16 (A) Huawei’s 5G capabilities; and

17 (B) the PRC government’s intentions with
18 respect to 5G expansion;

19 (7) the United States and Canada should con-
20 tinue to advance collaborative initiatives to imple-
21 ment the January 9, 2020, United States-Canada
22 Joint Action Plan on Critical Minerals Development
23 Collaboration; and

24 (8) the United States and Canada should
25 prioritize cooperation on continental defense and in

1 the Arctic, including by modernizing the North
2 American Aerospace Defense Command (NORAD)
3 sensor architecture to provide effective warning and
4 tracking of threats by peer competitors, including
5 long-range missiles and high-precision weapons, to
6 the Northern Hemisphere.

7 **SEC. 30243. SENSE OF CONGRESS REGARDING CHINA'S AR-**
8 **BITRARY IMPRISONMENT OF CANADIAN CITI-**
9 **ZENS.**

10 It is the sense of Congress that—

11 (1) the Government of the People's Republic of
12 China's apparent arbitrary detention and abusive
13 treatment of Canadian nationals Michael Spavor and
14 Michael Kovrig in apparent retaliation for the Gov-
15 ernment of Canada's arrest of Meng Wanzhou is
16 deeply concerning;

17 (2) the Government of Canada has shown inter-
18 national leadership by—

19 (A) upholding the rule of law and com-
20 plying with its international legal obligations,
21 including obligations pursuant to the Extra-
22 dition Treaty Between the United States of
23 America and Canada, signed at Washington
24 December 3, 1971; and

1 (B) launching the Declaration Against Ar-
2 bitrary Detention in State-to-State Relations,
3 which has been endorsed by 57 countries and
4 the European Union, and reaffirms well-estab-
5 lished prohibitions under international human
6 rights conventions against the arbitrary deten-
7 tion of foreign nationals to be used as leverage
8 in country-to-country relations; and

9 (3) the United States continues to join the Gov-
10 ernment of Canada in calling for the immediate re-
11 lease of Michael Spavor and Michael Kovrig and for
12 due process for Canadian national Robert
13 Schellenberg.

14 **SEC. 30244. STRATEGY TO ENHANCE COOPERATION WITH**
15 **CANADA.**

16 (a) IN GENERAL.—Not later than 180 days after the
17 date of the enactment of this Act, the President shall sub-
18 mit to the appropriate congressional committees, and the
19 Committee on Ways and Means of the House of Rep-
20 resentatives, the Committee on Finance of the Senate, and
21 the Committees on Armed Services of the Senate and the
22 House of Representatives, a strategy that describes how
23 the United States will enhance cooperation with the Gov-
24 ernment of Canada in managing relations with the Gov-
25 ernment of the People’s Republic of China.

1 (b) ELEMENTS.—The strategy required under sub-
2 section (a) shall—

3 (1) identify key policy points of convergence
4 and divergence between the United States and Can-
5 ada in managing relations with the People’s Repub-
6 lic of China in the areas of technology, economic
7 practices, cyber security, secure supply chains and
8 critical minerals, and illicit narcotics;

9 (2) include a description of United States devel-
10 opment and coordination efforts with Canadian
11 counterparts to enhance the cooperation between the
12 United States and Canada with respect to—

13 (A) managing economic relations with the
14 People’s Republic of China;

15 (B) democracy and human rights in the
16 People’s Republic of China;

17 (C) technology issues involving the Peo-
18 ple’s Republic of China;

19 (D) defense issues involving the People’s
20 Republic of China; and

21 (E) international law enforcement and
22 transnational organized crime issues;

23 (3) detail diplomatic efforts and future plans to
24 work with Canada to counter the People’s Republic

1 of China's projection of an authoritarian governing
2 model around the world;

3 (4) detail diplomatic, defense, and intelligence
4 cooperation to date and future plans to support Ca-
5 nadian efforts to identify cost-effective alternatives
6 to Huawei's 5G technology;

7 (5) detail diplomatic and defense collabora-
8 tion—

9 (A) to advance joint United States-Cana-
10 dian priorities for responsible stewardship in
11 the Arctic Region; and

12 (B) to counter the People's Republic of
13 China's efforts to project political, economic,
14 and military influence into the Arctic Region;
15 and

16 (6) detail diplomatic efforts to work with Can-
17 ada to track and counter the People's Republic of
18 China's attempts to exert influence across the multi-
19 lateral system.

20 (c) FORM.—The strategy required under this section
21 shall be submitted in an unclassified form that can be
22 made available to the public, but may include a classified
23 annex, if necessary.

24 (d) CONSULTATION.—Not later than 90 days after
25 the date of the enactment of this Act and not less fre-

1 quently than every 180 days thereafter for five years, the
2 Secretary of State shall consult with the appropriate con-
3 gressional committees, and the Committees on Armed
4 Services of the Senate and the House of Representatives,
5 regarding the development and implementation of the
6 strategy required under this section.

7 **SEC. 30245. STRATEGY TO STRENGTHEN ECONOMIC COM-**
8 **PETITIVENESS, GOVERNANCE, HUMAN**
9 **RIGHTS, AND THE RULE OF LAW IN LATIN**
10 **AMERICA AND THE CARIBBEAN.**

11 (a) IN GENERAL.—Not later than 180 days after the
12 date of the enactment of this Act, the Secretary of State,
13 in consultation, as appropriate, with the Secretary of the
14 Treasury, the Secretary of Commerce, the Administrator
15 of the United States Agency for International Develop-
16 ment (USAID), the Attorney General, the United States
17 Trade Representative, and the Chief Executive Officer of
18 the United States International Development Finance
19 Corporation, shall submit to the appropriate congressional
20 committees, the Committee on Ways and Means and the
21 Committee on Appropriations of the House of Representa-
22 tives, and the Committee on Finance and the Committee
23 on Appropriations of the Senate a multi-year strategy for
24 increasing United States economic competitiveness and
25 promoting good governance, human rights, and the rule

1 of law in Latin American and Caribbean countries, par-
2 ticularly in the areas of—

3 (1) investment;

4 (2) equitable, inclusive, and sustainable develop-
5 ment;

6 (3) commercial relations;

7 (4) anti-corruption activities; and

8 (5) infrastructure projects.

9 (b) ADDITIONAL ELEMENTS.—The strategy required
10 under subsection (a) shall include a plan of action, includ-
11 ing benchmarks to achieve measurable progress, to—

12 (1) enhance the technical capacity of Latin
13 American and Caribbean countries to advance the
14 sustainable and inclusive development of equitable
15 economies;

16 (2) facilitate a more open, transparent, and
17 competitive environment for United States busi-
18 nesses in the region;

19 (3) establish frameworks or mechanisms to re-
20 view long term financial sustainability and security
21 implications of foreign investments in strategic sec-
22 tors or services, including transportation, commu-
23 nications, natural resources, and energy;

24 (4) establish competitive, transparent, and in-
25 clusive infrastructure project selection and procure-

1 ment processes that promote transparency, supplier
2 diversity, open competition, financial sustainability,
3 adherence to robust global standards, and the em-
4 ployment of a diverse local workforce and manage-
5 ment;

6 (5) strengthen legal structures critical to robust
7 democratic governance, fair competition, combatting
8 corruption, and ending impunity; and

9 (6) enhance transparent, affordable, and equi-
10 table access to the internet and digital infrastructure
11 in the Western Hemisphere.

12 (c) BRIEFING REQUIREMENT.—Not later than one
13 year after the date of the enactment of this Act and annu-
14 ally thereafter for five years, the Secretary of State, after
15 consultation with the Secretary of the Treasury, the Sec-
16 retary of Commerce, the Attorney General, the United
17 States Trade Representative, and the leadership of the
18 United States International Development Finance Cor-
19 poration, shall brief the congressional committees specified
20 in subsection (a) regarding the implementation of this sec-
21 tion, including examples of successes and challenges.

1 **SEC. 30246. ENGAGEMENT IN INTERNATIONAL ORGANIZA-**
2 **TIONS AND THE DEFENSE SECTOR IN LATIN**
3 **AMERICA AND THE CARIBBEAN.**

4 (a) APPROPRIATE COMMITTEES OF CONGRESS DE-
5 FINED.—In this section, the term “appropriate commit-
6 tees of Congress” means—

7 (1) the Committee on Foreign Relations of the
8 Senate;

9 (2) the Select Committee on Intelligence of the
10 Senate;

11 (3) the Committee on Armed Services of the
12 Senate;

13 (4) the Committee on Foreign Affairs of the
14 House of Representatives;

15 (5) the Permanent Select Committee on Intel-
16 ligence of the House of Representatives; and

17 (6) the Committee on Armed Services of the
18 House of Representatives.

19 (b) REPORTING REQUIREMENT.—

20 (1) IN GENERAL.—Not later than 90 days after
21 the date of the enactment of this Act, the Secretary
22 of State, in coordination with the Director of Na-
23 tional Intelligence, the Director of the Central Intel-
24 ligence Agency, and the Defense Intelligence Agency,
25 shall submit to the appropriate committees of Con-
26 gress a report that assesses the nature, intent, and

1 impact on United States strategic interests of Chi-
2 nese diplomatic activity aimed at influencing the de-
3 cisions, procedures, and programs of multilateral or-
4 ganizations in Latin America and the Caribbean, in-
5 cluding the World Bank, International Monetary
6 Fund, Organization of American States, and the
7 Inter-American Development Bank.

8 (2) DEFENSE SECTOR.—The report required
9 under paragraph (1) shall include an assessment of
10 the nature, intent, and impact on United States
11 strategic interests of Chinese military activity in
12 Latin America and the Caribbean, including military
13 education and training programs, weapons sales, and
14 space-related activities in the military or civilian
15 spheres, such as—

16 (A) the satellite and space control station
17 the People’s Republic of China constructed in
18 Argentina; and

19 (B) defense and security cooperation car-
20 ried out by the People’s Republic of China in
21 Latin America and the Caribbean, including
22 sales of surveillance and monitoring technology
23 to governments in the region such as Venezuela,
24 Cuba, Ecuador, and Colombia, and the poten-

1 tial use of such technologies as tools of Chinese
2 intelligence services.

3 (3) FORM.—The report required under para-
4 graph (1) shall be submitted in unclassified form
5 and include classified annexes.

6 **SEC. 30247. DEFENSE COOPERATION IN LATIN AMERICA**
7 **AND THE CARIBBEAN.**

8 (a) IN GENERAL.—There is authorized to be appro-
9 priated to the Department of State \$13,500,000 for the
10 International Military Education and Training Program
11 for Latin America and the Caribbean for each of fiscal
12 years 2022 through 2026.

13 (b) MODERNIZATION.—The Secretary of State shall
14 modernize and strengthen the programs receiving funding
15 in accordance with subsection (a) to ensure that such pro-
16 grams are vigorous, substantive, and the preeminent
17 choice for international military education and training for
18 Latin American and Caribbean partners.

19 (c) REQUIRED ELEMENTS.—The programs referred
20 to in subsection (a) shall—

21 (1) provide training and capacity-building op-
22 portunities to Latin American and Caribbean secu-
23 rity services;

24 (2) provide practical skills and frameworks
25 for—

1 (A) improving the functioning and organi-
2 zation of security services in Latin America and
3 the Caribbean;

4 (B) creating a better understanding of the
5 United States and its values; and

6 (C) using technology for maximum effi-
7 ciency and organization;

8 (3) promote and ensure that security services in
9 Latin America and the Caribbean respect civilian
10 authority and operate in compliance with inter-
11 national norms, standards, and rules of engagement,
12 including a respect for human rights, and full com-
13 pliance with requirements under section 620M of the
14 Foreign Assistance Act of 1961 (22 U.S.C. 2378d;
15 commonly referred to as the “Leahy law”); and

16 (4) receive funds only after vetting of individ-
17 uals proposed to be trained, consistent with sections
18 502B and 620M of the Foreign Assistance Act of
19 1961 (22 U.S.C. 2304 and 2378d).

1 **SEC. 30248. ENGAGEMENT WITH CIVIL SOCIETY IN LATIN**
2 **AMERICA AND THE CARIBBEAN REGARDING**
3 **ACCOUNTABILITY, HUMAN RIGHTS, AND THE**
4 **RISKS OF PERVASIVE SURVEILLANCE TECH-**
5 **NOLOGIES.**

6 (a) SENSE OF CONGRESS.—It is the sense of Con-
7 gress that—

8 (1) the Government of the People’s Republic of
9 China is exporting its model for internal security
10 and state control of society through advanced tech-
11 nology and artificial intelligence; and

12 (2) the inclusion of communication networks
13 and communications supply chains with equipment
14 and services from companies with close ties to or
15 that are susceptible to pressure from governments or
16 security services without reliable legal checks on gov-
17 ernmental powers can lead to breaches of citizens’
18 private information, increased censorship, violations
19 of human rights, and harassment of political oppo-
20 nents.

21 (b) DIPLOMATIC ENGAGEMENT.—The Secretary of
22 State shall conduct diplomatic engagement with govern-
23 ments and civil society organizations in Latin America and
24 the Caribbean to—

1 (1) help identify and mitigate the risks to civil
2 liberties posed by technologies and services described
3 in subsection (a); and

4 (2) offer recommendations on ways to mitigate
5 such risks.

6 (c) INTERNET FREEDOM PROGRAMS.—The Chief Ex-
7 ecutive Officer of the United States Agency for Global
8 Media, who may work through the Open Technology Fund
9 of the Agency, and the Secretary of State, working
10 through the Bureau of Democracy, Human Rights, and
11 Labor’s Internet Freedom and Business and Human
12 Rights Section, shall expand and prioritize efforts to pro-
13 vide anti-censorship technology and services to journalists
14 in Latin America and the Caribbean, in order to enhance
15 their ability to safely access or share digital news and in-
16 formation.

17 (d) SUPPORT FOR CIVIL SOCIETY.—The Secretary of
18 State, in coordination with the Administrator of the
19 United States Agency for International Development, shall
20 work through nongovernmental organizations to—

21 (1) support and promote programs that support
22 internet freedom and the free flow of information
23 online in Latin America and the Caribbean;

1 (2) protect open, interoperable, secure, and reli-
2 able access to internet in Latin America and the
3 Caribbean;

4 (3) provide integrated support to civil society
5 for technology, digital safety, policy and advocacy,
6 and applied research programs in Latin America
7 and the Caribbean;

8 (4) train journalists and civil society leaders in
9 Latin America and the Caribbean on investigative
10 techniques necessary to ensure public accountability
11 and prevent government overreach in the digital
12 sphere;

13 (5) assist independent media outlets and jour-
14 nalists in Latin America and the Caribbean to build
15 their own capacity and develop high-impact, in-depth
16 news reports covering governance and human rights
17 topics;

18 (6) provide training for journalists and civil so-
19 ciety leaders on investigative techniques necessary to
20 improve transparency and accountability in govern-
21 ment and the private sector;

22 (7) provide training on investigative reporting
23 of incidents of corruption and unfair business and
24 commercial practices;

1 (8) assist nongovernmental organizations to
2 strengthen their capacity to monitor the incidents
3 and practices described in paragraph (7); and

4 (9) identify local resources to support the pre-
5 ponderance of activities that would be carried out
6 under this subsection.

7 **SEC. 30249. CARIBBEAN ENERGY INITIATIVE AS ALTER-**
8 **NATIVE TO CHINA'S BELT AND ROAD INITIA-**
9 **TIVE.**

10 (a) FINDINGS.—Congress makes the following find-
11 ings:

12 (1) The countries of the Caribbean are heavily
13 reliant upon imported oil to provide for approxi-
14 mately 90 percent of their energy production.

15 (2) The level of dependence is even higher in-
16 cluding—

17 (A) Jamaica, which relies on oil for 95.9
18 percent of its electricity;

19 (B) Barbados, which relies on oil for 96
20 percent of its electricity;

21 (C) The Virgin Islands, which relies on oil
22 for nearly 100 percent of its electricity; and

23 (D) St. Lucia, which relies on oil for 100
24 percent of its electricity.

1 (3) Overreliance on imported fossil fuels has
2 had a detrimental effect on economic development,
3 growth, and competitiveness in the Caribbean.

4 (4) Since 1970, more than 80 percent of Carib-
5 bean coral reefs have been lost due to coastal devel-
6 opment and pollution. Soot particulates and climate
7 change caused by burning fossil fuels have seriously
8 damaged coral reefs, which are a significant source
9 of tourism dollars, fishing, biodiversity, and natural
10 beauty.

11 (5) Air pollution caused by burning oil for elec-
12 tricity—

13 (A) has serious health impacts in the form
14 of higher rates of asthma and other lung ail-
15 ments; and

16 (B) can also exacerbate climate change.

17 (6) The Caribbean region is particularly vulner-
18 able to sea level rise and stronger storms.

19 (7) Between 2005 and 2018, the dependence of
20 the countries of the Caribbean on oil was perpet-
21 uated by the Venezuelan-led Petrocaribe oil alliance,
22 which—

23 (A) offered preferential terms for oil sales;
24 and

1 (B) supplies some countries with up to 40
2 percent of their energy production needs.

3 (8) The ongoing domestic economic crisis and
4 political turmoil in Venezuela has forced the Govern-
5 ment of Venezuela to retract its commitments to the
6 Petrocaribe oil alliance and step away as a regional
7 power. Only Cuba still receives preferential
8 Petrocaribe pricing on fuel exports from Venezuela,
9 while other Petrocaribe member countries are experi-
10 encing a destabilized flow of oil.

11 (9) China has spent more than
12 \$244,000,000,000 on energy projects worldwide
13 since 2000, 25 percent of which was spent in Latin
14 America and the Caribbean. Although the majority
15 of this spending was for oil, gas, and coal, China has
16 also been the largest investor in clean energy glob-
17 ally for almost a decade.

18 (10) The World Bank estimates that the Carib-
19 bean will need \$12,000,000,000 in power invest-
20 ments through 2035.

21 (11) Renewable energy technology costs have
22 decreased dramatically in recent years, offering a
23 more viable economic alternative for energy produc-
24 tion. Solar energy prices have fallen by 80 percent
25 since 2008, causing significant market growth, and

1 according to data released by the International Re-
2 newable Energy Agency, $\frac{1}{3}$ of global power capacity
3 is based in renewable energy.

4 (12) In 2016, the International Monetary Fund
5 estimated that transportation accounted for 36 per-
6 cent of the total primary energy consumed in the
7 Caribbean subregion.

8 (13) According to the United Nations Environ-
9 ment Programme, Latin America and the Caribbean
10 could achieve annual savings of \$621,000,000,000
11 and a reduction of 1,100,000,000 tons of CO₂ by
12 2050 if the region's energy and transport sectors
13 reach net zero emissions.

14 (14) The Caribbean has an abundance of on-
15 shore and offshore resources needed for renewable
16 energy, including sun, wind, geothermal, and some
17 hydropower production capacity.

18 (15) The United States Government is deeply
19 engaged in providing technical and policy assistance
20 to countries of the Caribbean on energy issues
21 through—

22 (A) the Energy and Climate Partnership of
23 the Americas;

24 (B) Connecting the Americas 2022; and

25 (C) bilateral assistance programs.

1 (16) On February 19, 2014, at the North
2 American Leaders' Summit, President Barack
3 Obama, Prime Minister Stephen Harper of Canada,
4 and President Enrique Peña Nieto of Mexico re-
5 affirmed their commitment to bring affordable, reli-
6 able, and increasingly renewable power to the Carib-
7 bean, while opening wider markets for clean energy
8 and green technology.

9 (17) On June 19, 2015, President Barack
10 Obama announced the Caribbean Energy Security
11 Initiative, which would partner with individual coun-
12 tries—

13 (A) to transform its energy sector;

14 (B) to work to increase access to finance,
15 good governance, and diversification; and

16 (C) to maximize the impact of existing
17 donor effects.

18 (18) On May 4, 2016, at the United States-
19 Caribbean-Central American Energy Summit, the
20 energy security task force formally launched the
21 Caribbean Sustainable Energy Roadmap and Strat-
22 egy (C-SERMS) as a mechanism to manage re-
23 gional coordination and action on energy security
24 and agreed to expand the regional market and trans-
25 mission system.

1 (19) The United States has an important op-
2 portunity—

3 (A) to deepen this engagement;

4 (B) to work as a partner with Caribbean
5 countries on a more regional and coordinated
6 basis;

7 (C) to help ease the region’s dependence
8 on imported oil; and

9 (D) to promote affordable alternative
10 sources of energy.

11 (b) DEFINITIONS.—In this section:

12 (1) CARIBBEAN COUNTRIES.—The term “Carib-
13 bean countries” means countries in the Caribbean
14 region, but does not include Cuba or Venezuela.

15 (2) CARIBBEAN GOVERNMENTS.—The term
16 “Caribbean governments” means the national gov-
17 ernments of the Caribbean countries.

18 (c) STATEMENT OF POLICY.—It is the policy of the
19 United States to help Caribbean countries—

20 (1) achieve greater energy security and improve
21 domestic energy resource mobilization;

22 (2) lower their dependence on imported fuels;

23 (3) eliminate the use of diesel, heavy fuel oil,
24 other petroleum products, and coal for the genera-
25 tion of electricity;

1 (4) increase production of renewable energy;

2 and

3 (5) meet the greenhouse gas mitigation goals of
4 their national determined contributions to the Paris
5 Agreement.

6 (d) STRATEGY.—

7 (1) SUBMISSION.—Not later than 120 days
8 after the date of the enactment of this Act, the Sec-
9 retary of State, in coordination with the Adminis-
10 trator of the United States Agency for International
11 Development (USAID), shall submit to the appro-
12 priate congressional committees a multi-year strat-
13 egy that describes how the Department of State will
14 promote regional cooperation with Caribbean coun-
15 tries—

16 (A) to lower dependence on imported fuels,
17 grow domestic clean energy production in the
18 region, strengthen regional energy security, and
19 lower energy sector greenhouse gas emissions;

20 (B) to decrease dependence on oil in the
21 transportation sector;

22 (C) to increase energy efficiency, energy
23 conservation, and investment in alternatives to
24 imported fuels;

1 (D) to improve grid reliability and mod-
2 ernize electricity transmission networks;

3 (E) to advance deployment of innovative
4 solutions to expand community and individuals'
5 access to electricity;

6 (F) to help reform energy markets to en-
7 courage good regulatory governance and to pro-
8 mote a climate of private sector investment; and

9 (G) to mitigate greenhouse gas emissions
10 from the energy and transportation sector.

11 (2) ELEMENTS.—The strategy required under
12 subsection (a) shall include—

13 (A) a thorough review and inventory of
14 United States Government activities that are
15 being carried out bilaterally, regionally, and in
16 coordination with multilateral institutions—

17 (i) to promote energy and climate se-
18 curity in the Caribbean region; and

19 (ii) to reduce the region's reliance on
20 oil for electricity generation;

21 (B) opportunities for marshaling regional
22 cooperation—

23 (i) to overcome market barriers result-
24 ing from the small size of Caribbean en-
25 ergy markets;

1 (ii) to address the high transportation
2 and infrastructure costs faced by Carib-
3 bean countries;

4 (iii) to ensure greater donor coordina-
5 tion between governments, multilateral in-
6 stitutions, multilateral banks, and private
7 investors; and

8 (iv) to expand regional financing op-
9 portunities to allow for lower cost energy
10 entrepreneurship;

11 (C) measures to ensure that each Carib-
12 bean government has—

13 (i) an independent utility regulator or
14 equivalent;

15 (ii) affordable access by third party
16 investors to its electrical grid with minimal
17 regulatory interference;

18 (iii) effective energy efficiency and en-
19 ergy conservation;

20 (iv) programs to address technical and
21 nontechnical issues;

22 (v) a plan to eliminate major market
23 distortions; and

24 (vi) other taxes on clean energy solu-
25 tions; and

1 (D) recommendations for how United
2 States policy, technical, and economic assist-
3 ance can be used in the Caribbean region—

4 (i) to advance renewable energy devel-
5 opment and the incorporation of renewable
6 technologies into existing energy grids and
7 the development and deployment of micro-
8 grids where appropriate and feasible to
9 boost energy security and reliability, par-
10 ticularly to underserved communities;

11 (ii) to increase the generation of clean
12 energy sufficiently to replace and allow for
13 the retirement of obsolete fossil fuel energy
14 generation units in Caribbean countries;

15 (iii) to create regional financing op-
16 portunities to allow for lower cost energy
17 entrepreneurship;

18 (iv) to deploy transaction advisors in
19 the region to help attract private invest-
20 ment and break down any market or regu-
21 latory barriers; and

22 (v) to establish a mechanism for each
23 host government to have access to inde-
24 pendent legal advice—

1 (I) to speed the development of
2 energy-related contracts; and

3 (II) to better protect the inter-
4 ests of Caribbean governments and
5 citizens.

6 (3) CONSULTATION.—In devising the strategy
7 under this subsection, the Secretary of State shall
8 work with the Secretary of Energy and shall consult
9 with—

10 (A) the Secretary of the Interior;

11 (B) the Secretary of Commerce;

12 (C) the Secretary of the Treasury;

13 (D) the Board of Directors of the Export-
14 Import Bank of the United States;

15 (E) the Board of Directors of the Develop-
16 ment Finance Corporation;

17 (F) the Administrator of the United States
18 Agency for International Development;

19 (G) the Caribbean governments;

20 (H) the Inter-American Development
21 Bank;

22 (I) the World Bank Group; and

23 (J) the Caribbean Electric Utility Services
24 Corporation.

1 **SEC. 30250. UNITED STATES-CARIBBEAN RESILIENCE PART-**
2 **nership.**

3 (a) FINDINGS.—Congress makes the following find-
4 ings:

5 (1) The United States shares with the Carib-
6 bean a collective vulnerability to natural disasters,
7 which affects the lives and the economies of our citi-
8 zens.

9 (2) The April 9, 2021, eruption of the La
10 Soufriere volcano is another reminder of the devas-
11 tation caused by the many natural disasters the Car-
12ibbean confronts each year and the region’s vulner-
13 ability to external shocks. Hurricane Dorian, the
14 largest storm to hit the region, wiped out large parts
15 of the northern Bahamas in 2019, and Hurricanes
16 Maria and Irma devastated multiple islands across
17 the region in 2017, including Puerto Rico. According
18 to IMF research, of the 511 plus disasters worldwide
19 to hit small states since 1950, around two-thirds
20 (324) have been in the Caribbean.

21 (3) This region is seven times more likely to ex-
22 perience a natural disaster than elsewhere. And,
23 when one occurs, it will incur as much as six times
24 more damage.

25 (4) Extreme weather events and other environ-
26 mental impacts will only worsen over the coming

1 years, and if not addressed, we will see only increas-
2 ing economic shocks on these countries, driving ir-
3 regular migration.

4 (5) While the United States has considerable
5 expertise and capacity in assisting countries with
6 disaster response, there remains a need for stronger
7 partnerships that build regional resilience through
8 efficient and interoperable platforms, protecting peo-
9 ple and speeding recovery.

10 (6) The People's Republic of China has dra-
11 matically increased its engagement in the Caribbean
12 in the past five years, including offering loans and
13 grants related to disaster response and resilience
14 and sought to acquire property rights in the Carib-
15 bean that would be detrimental to United States na-
16 tional security interests.

17 (7) In 2019, the United States launched a new
18 U.S.-Caribbean Resilience Partnership to deepen co-
19 operation and investment to strengthen our disaster
20 resilience throughout the Caribbean region, includ-
21 ing—

22 (A) to streamline early warning response
23 networks and formalize communication chan-
24 nels;

1 (B) to enhance, encourage, and work col-
2 laboratively on further developing aviation dis-
3 aster resilience plans and partnerships;

4 (C) to prioritize regional technical ex-
5 change in energy planning, risk reduction, and
6 resilience;

7 (D) to increase communications network
8 interoperability between Caribbean partners and
9 the United States;

10 (E) to utilize storm surge mapping data
11 and share real-time information in preparation
12 for potential damage resulting from tropical cy-
13 clones and tsunamis;

14 (F) to use meteorological services to
15 strengthen and deepen physical and commu-
16 nications infrastructure, data collection net-
17 works, and human and technical capacity
18 throughout the region, as well as interactions
19 with the public;

20 (G) to understand that while the use of
21 international and military and civil defense as-
22 sets in disaster response may only be considered
23 as a last resort, when local, national, and inter-
24 national civilian capabilities are overwhelmed,

1 civil-military coordination should occur, in sup-
2 port of the affected nation;

3 (H) to develop a framework that would
4 govern the deployment of international military
5 and civil defense assets in disaster response
6 when local, national, and international civilian
7 capabilities are overwhelmed, in support of the
8 affected nation;

9 (I) to seek common mechanisms for ensur-
10 ing rapid disaster response and recovery, in-
11 cluding waiving or expediting diplomatic clear-
12 ances, waiving of or reducing customs fees,
13 streamlining overflight and airspace clearance,
14 and ensuring that the first responders have the
15 ability to rapidly respond to disasters in other
16 countries;

17 (J) to promote the integration and coordi-
18 nation of regional response mechanisms in the
19 Caribbean, including through the Caribbean
20 Disaster Emergency Management Agency, the
21 Regional Security System, United States Gov-
22 ernment Agencies, and allies in ways that facili-
23 tate more effective and efficient planning, miti-
24 gation, response, and resilience to natural disas-
25 ters;

1 (K) to share best practices in improved
2 building codes with national disaster organiza-
3 tions, including building better programs, at re-
4 gional, national and community levels; and

5 (L) to promote community-based disaster
6 preparedness and mitigation activities, particu-
7 larly in underserved communities, with the aim
8 of increasing broad public participation and re-
9 siliance.

10 (b) POLICY.—It is the policy of the United States to
11 help Caribbean countries—

12 (1) increase their resilience and adapt to nat-
13 ural disasters and the impacts of severe weather
14 events and a changing environment;

15 (2) partner with United States Federal, State,
16 and local agencies and engage in technical coopera-
17 tion, dialogue, and assistance activities;

18 (3) harmonize standards and practices related
19 to paragraphs (1) and (2) to promote increased in-
20 vestment and integration;

21 (4) increase investment from United States
22 companies in the Caribbean on resilience-building,
23 adaptation, and climate-related mitigation efforts;

1 (5) promote regional cooperation and ensure ef-
2 forts by the United States, Caribbean countries, and
3 international partners complement each other; and

4 (6) further assist with the efforts described in
5 subsection (a)(7).

6 (c) STRATEGY.—Not later than 180 days after the
7 date of the enactment of this Act, the Secretary of State,
8 in coordination with the heads of other Federal depart-
9 ments and agencies, shall submit to the appropriate con-
10 gressional committees a multi-year strategy that describes
11 how the Department of State will achieve the policies de-
12 scribed in subsection (b).

13 (d) AUTHORIZATION OF APPROPRIATIONS.—There
14 are authorized to be appropriated for activities, programs,
15 technical assistance, and engagement under this section
16 the following:

17 (1) \$20,000,000 for fiscal year 2022.

18 (2) \$25,000,000 for fiscal year 2023.

19 (3) \$30,000,000 for fiscal year 2024 and each
20 fiscal year thereafter.

21 (e) REPORTING AND MONITORING.—

22 (1) IN GENERAL.—Of the amounts authorized
23 to be appropriated each fiscal year pursuant to sub-
24 section (d), at least five percent of all programming
25 funding allocation shall support and be directed to-

1 ward reporting, monitoring, and assessment of effective-
2 tiveness.

3 (2) **ENGAGEMENT AND COLLABORATION.**—The
4 Department of State shall ensure that at least 20
5 percent of amounts authorized to be appropriated
6 pursuant to subsection (d) directly support the
7 training of, engagement with, collaboration with, and
8 exchange of expertise on resilience between United
9 States Federal, State, and local officials and their
10 Caribbean government counterparts. Such amounts
11 should also support, as appropriate, increased academic,
12 civil society, media, and private sector engagement
13 in the fields of resilience-building, adaptation,
14 and mitigation.

15 **SEC. 30251. COUNTERING CHINA'S EDUCATIONAL AND CULTURAL DIPLOMACY IN LATIN AMERICA.**

17 (a) **FINDINGS.**—Congress finds the following:

18 (1) According to a report by the National Endowment
19 for Democracy, China has spent the equivalent of billions
20 of dollars to shape public opinion and perceptions around
21 the world through thousands of people-to-people exchanges,
22 cultural activities, educational programs, and the development
23 of media enterprises and information initiatives with global
24 reach.
25

1 (2) Educational and exchange programs are a
2 core element of United States public diplomacy, ele-
3 vating our culture, policies, and interests worldwide.

4 (3) These programs provide students with ac-
5 cess to international knowledge, an opportunity to
6 learn foreign languages, and a unique environment
7 for developing cultural understanding, all of which
8 are valuable skills in today's global economy.

9 (4) 90 percent of ECA's appropriation is spent
10 in the United States or invested directly in American
11 citizens or American organizations.

12 (b) SENSE OF CONGRESS.—It is the sense of Con-
13 gress that—

14 (1) China's efforts to mold public opinion and
15 influence educational institutions undermine United
16 States' influence in Latin America and the Carib-
17 bean and threaten democratic institutions and prac-
18 tices in the region;

19 (2) the United States Government should ex-
20 pand current educational and cultural exchange pro-
21 grams in Latin America and the Caribbean, which
22 are cost-effective and strengthen people-to-people di-
23 plomacy, to promote national security and foreign
24 policy interests of the United States; and

1 (3) educational exchanges foster linguistic, cul-
2 tural, and educational skills that advance United
3 States economic competitiveness, strengthen alli-
4 ances, and support democracies worldwide.

5 (c) STRATEGY.—Not later than 180 days after the
6 date of the enactment of this Act, the Secretary of State,
7 acting through the Assistant Secretary of State for Edu-
8 cational and Cultural Affairs, and in coordination with the
9 Assistant Administrator for the Bureau of Economic
10 Growth, Education, and Environment at the United
11 States Agency for International Development, shall devise
12 a strategy—

13 (1) to evaluate and expand existing programs
14 and, as necessary, design and implement new edu-
15 cational, professional, and cultural exchanges and
16 other programs to—

17 (A) create and sustain mutual under-
18 standing with other countries necessary to ad-
19 vance United States foreign policy goals by cul-
20 tivating people-to-people ties among current and
21 future global leaders that build enduring net-
22 works and personal relationships; and

23 (B) promote United States national secu-
24 rity interests and values, including through the
25 expansion of exchange visitor programs such as

1 international visitor leadership programs and
2 the Young Leaders of the Americas Initiative,
3 as well as professional capacity building pro-
4 grams that prioritize building skills in entrepre-
5 neurship, promoting transparency, and tech-
6 nology;

7 (2) to ensure that exchange programs for
8 Americans abroad and international visitors attract
9 a diverse pool of participants, including from under-
10 represented, marginalized, and low-income commu-
11 nities; and

12 (3) to evaluate, expand, and strengthen existing
13 programs, and, as necessary, design and implement
14 new basic and higher education programs in Latin
15 America and the Caribbean, in accordance with the
16 United States Strategy on International Basic Edu-
17 cation and the United States Agency for Inter-
18 national Development Education Policy, to enable all
19 young adults, youth, and children to acquire the
20 quality education and skills needed to be productive
21 members in society, which will lead to better indi-
22 vidual and societal outcomes.

23 (d) REPORT WITH INTELLIGENCE ASSESSMENT.—
24 Not later than 180 days after the date of the enactment
25 of this Act, the Secretary of State shall, in coordination

1 with the Director of National Intelligence, submit to the
2 appropriate congressional committees a report that as-
3 sesses the nature and impact of the People's Republic of
4 China's educational and cultural sector activity in Latin
5 America and the Caribbean, its impact on United States'
6 strategic interests, and recommendations for the United
7 States Government to expand people-to-people ties.

8 **SEC. 30252. NARCOTICS TRAFFICKING IN LATIN AMERICA**
9 **AND THE CARIBBEAN.**

10 It is the sense of Congress that—

11 (1) narcotics trafficking continues to pose a se-
12 curity threat to the countries and peoples of Latin
13 America and the Caribbean;

14 (2) other forms of transnational organized
15 crime, including arms trafficking, human smuggling,
16 money laundering, and illicit financing, are drivers
17 of irregular migration;

18 (3) narcotics trafficking is fueled by govern-
19 ments that fail to curb the illicit drug trade by ade-
20 quately regulating the legal trade of non-fentanyl
21 opioids and precursor chemicals used to produce
22 fentanyl, fentanyl analogs, and other synthetic
23 drugs;

24 (4) further, governments that do not cooperate
25 sufficiently on financial investigations and prosecu-

1 tions, withhold information with respect to money
2 laundering crimes, or are determined to facilitate il-
3 licit activities, particularly by transnational orga-
4 nized criminal organizations, should be held account-
5 able;

6 (5) as noted in the International Narcotics Con-
7 trol Strategy Report 2020, China “has not cooper-
8 ated sufficiently on financial investigations and does
9 not provide adequate responses to requests for finan-
10 cial investigation information”;

11 (6) the United States should apply economic
12 and other targeted financial sanctions with respect
13 to individuals engaged in financial crimes and money
14 laundering that fosters narcotics trafficking in the
15 countries of Latin America and the Caribbean; and

16 (7) the United States should look to policies to
17 hold accountable countries that fail to sufficiently in-
18 vestigate financial crimes and money laundering that
19 foster narcotics trafficking in the countries of Latin
20 America and the Caribbean.

21 **PART 2—TRANSATLANTIC RELATIONSHIPS**

22 **SEC. 30255. SENSE OF CONGRESS ON TRANSATLANTIC RE-** 23 **LATIONSHIPS.**

24 It is the sense of Congress that—

1 (1) the United States, the European Union, the
2 United Kingdom, and other European countries are
3 close partners, sharing values grounded in democ-
4 racy, human rights, transparency, and the rules-
5 based international order established after World
6 War II;

7 (2) without a common approach by the United
8 States, the European Union, the United Kingdom,
9 and other European countries on connectivity,
10 transnational challenges, and support for democracy
11 and human rights, the People's Republic of China
12 will continue to increase its economic, political, and
13 security leverage in Europe and globally;

14 (3) the People's Republic of China's deployment
15 of assistance to European countries following the
16 COVID-19 outbreak showcased a coercive approach
17 to aid, but it also highlighted Europe's deep eco-
18 nomic ties to the People's Republic of China;

19 (4) as European countries seek to recover from
20 the economic toll of the COVID-19 outbreak, the
21 United States must stand in partnership with Eu-
22 rope to support our collective economic recovery, re-
23 inforce our collective national security, and defend
24 shared values;

1 (5) the United States, the European Union, the
2 United Kingdom, and other European countries
3 should coordinate on joint strategies to diversify reli-
4 ance on supply chains away from the People’s Re-
5 public of China, especially in the medical and phar-
6 maceutical sectors;

7 (6) the United States, the European Union, the
8 United Kingdom, and other European countries
9 should leverage their respective economic innovation
10 capabilities to support the global economic recovery
11 from the COVID–19 recession and draw a contrast
12 with the centralized economy of the People’s Repub-
13 lic of China;

14 (7) the United States, the European Union,
15 Japan, and other like-minded countries should con-
16 tinue efforts to address the security, economic, de-
17 mocracy, and human rights challenges posed by the
18 People’s Republic of China;

19 (8) the United States, the European Union, the
20 United Kingdom, and other European countries
21 should enhance cooperation to counter People’s Re-
22 public of China disinformation, influence operations,
23 and propaganda efforts;

24 (9) the United States and Europe share serious
25 concerns with the repressions being supported and

1 executed by the Government of the People’s Republic
2 of China, and should continue implementing meas-
3 ures to address the Government of the People’s Re-
4 public of China’s specific abuses in Tibet, Hong
5 Kong, and Xinjiang, and should build joint mecha-
6 nisms and programs to prevent the export of China’s
7 authoritarian governance model to countries around
8 the world;

9 (10) the United States and Europe should re-
10 main united in their shared values against attempts
11 by the Government of the People’s Republic of
12 China at the United Nations and other multilateral
13 organizations to promote efforts that erode the Uni-
14 versal Declaration of Human Rights, like the “com-
15 munity of a shared future for mankind” and “de-
16 mocratization of international relations”;

17 (11) the People’s Republic of China’s infra-
18 structure investments around the world, particularly
19 in 5G telecommunications technology and port infra-
20 structure, could threaten democracy across Europe
21 and the national security of key countries;

22 (12) as appropriate, the United States should
23 share intelligence with European allies and partners
24 on Huawei’s 5G capabilities and the intentions of

1 the Government of the People's Republic of China
2 with respect to 5G expansion in Europe;

3 (13) the European Union's Investment Screen-
4 ing Regulation, which came into force in October
5 2020, is a welcome development, and member states
6 should closely scrutinize PRC investments in their
7 countries through their own national investment
8 screening measures;

9 (14) the President should actively engage the
10 European Union on the implementation of the Ex-
11 port Control Reform Act regulations and to better
12 harmonize United States and European Union poli-
13 cies with respect to export controls;

14 (15) the President should strongly advocate for
15 the listing of more items and technologies to restrict
16 dual use exports controlled at the National Security
17 and above level to the People's Republic of China
18 under the Wassenaar Arrangement;

19 (16) the United States should explore the value
20 of establishing a body akin to the Coordinating
21 Committee for Multilateral Export Controls
22 (CoCom) that would specifically coordinate United
23 States and European Union export control policies
24 with respect to limiting exports of sensitive tech-
25 nologies to the People's Republic of China; and

1 (17) the United States should work with coun-
2 terparts in Europe to—

3 (A) evaluate United States and European
4 overreliance on goods originating in the Peo-
5 ple’s Republic of China, including in the med-
6 ical and pharmaceutical sectors, and develop
7 joint strategies to diversify supply chains;

8 (B) develop a common strategy for pro-
9 moting energy security and economic growth in
10 eastern Europe and the Balkans that addresses
11 shared concerns related to China’s Belt and
12 Road Initiative in these regions, including com-
13 plementary investments in the Three Seas Ini-
14 tiative Fund for clean energy and digital
15 connectivity projects;

16 (C) counter PRC efforts to use COVID–
17 19-related assistance as a coercive tool to pres-
18 sure developing countries by offering relevant
19 United States and European expertise and as-
20 sistance; and

21 (D) leverage the United States and Euro-
22 pean private sectors to advance the post-
23 COVID–19 economic recovery.

1 **SEC. 30256. STRATEGY TO ENHANCE TRANSATLANTIC CO-**
2 **OPERATION WITH RESPECT TO THE PEO-**
3 **PLE'S REPUBLIC OF CHINA.**

4 (a) IN GENERAL.—Not later than 180 days after the
5 date of the enactment of this Act, the President shall brief
6 the appropriate congressional committees, the Committee
7 on Armed Services of the Senate, and the Committee on
8 Armed Services of the House of Representatives on a
9 strategy for how the United States will enhance coopera-
10 tion with the European Union, NATO, and European
11 partner countries with respect to the People's Republic of
12 China.

13 (b) ELEMENTS.—The briefing required under sub-
14 section (a) shall include the following elements with re-
15 spect to the strategy referred to in such subsection:

16 (1) An identification of the senior Senate-con-
17 firmed Department of State official who leads
18 United States efforts to cooperate with the Euro-
19 pean Union, NATO, and European partner countries
20 to advance a shared approach with respect to the
21 People's Republic of China.

22 (2) An identification of key policy points of con-
23 vergence and divergence between the United States
24 and European allies and partners with respect to the
25 People's Republic of China in the areas of tech-
26 nology and economic practices.

1 (3) A description of efforts to advance shared
2 interests with European counterparts on—

3 (A) security and economic challenges with
4 respect to the People’s Republic of China;

5 (B) democracy and human rights chal-
6 lenges with respect to the People’s Republic of
7 China;

8 (C) technology issues with respect to the
9 People’s Republic of China;

10 (D) defense issues with respect to the Peo-
11 ple’s Republic of China; and

12 (E) developing a comprehensive strategy to
13 respond to the Belt and Road Initiative (BRI)
14 established by the Government of the People’s
15 Republic of China.

16 (4) A description of the coordination mecha-
17 nisms among key regional and functional bureaus
18 within the Department of State and Department of
19 Defense tasked with engaging with European allies
20 and partners on the People’s Republic of China.

21 (5) A detailing of diplomatic efforts up to the
22 date of the briefing and future plans to work with
23 European allies and partners to counter the Govern-
24 ment of the People’s Republic of China’s advance-

1 ment of an authoritarian governance model around
2 the world.

3 (6) A detailing of the diplomatic efforts made
4 up to the date of the briefing and future plans to
5 support European efforts to identify cost-effective al-
6 ternatives to Huawei's 5G technology.

7 (7) A detailing of how United States public di-
8 plomacy tools, including the Global Engagement
9 Center of the Department of State, will coordinate
10 efforts with counterpart entities within the Euro-
11 pean Union to counter Chinese propaganda.

12 (8) A description of the staffing and budget re-
13 sources the Department of State dedicates to en-
14 gagement between the United States and the Euro-
15 pean Union on the People's Republic of China and
16 provide an assessment of out-year resource needs to
17 execute such strategy.

18 (9) A detailing of diplomatic efforts to work
19 with European allies and partners to track and
20 counter Chinese attempts to exert influence across
21 multilateral fora, including at the World Health Or-
22 ganization.

23 (c) FORM.—The briefing required under section (a)
24 shall be classified.

1 (d) CONSULTATION.—Not later than 180 days after
2 the date of the enactment of this Act and annually there-
3 after for three years, the Secretary of State shall consult
4 with the appropriate congressional committees, the Com-
5 mittee on Armed Services of the Senate, and the Com-
6 mittee on Armed Services of the House of Representatives
7 regarding the development and implementation of the ele-
8 ments described in subsection (b).

9 **SEC. 30257. ENHANCING TRANSATLANTIC COOPERATION**
10 **ON PROMOTING PRIVATE SECTOR FINANCE.**

11 (a) IN GENERAL.—The President should work with
12 transatlantic partners to build on the agreement among
13 the Development Finance Corporation, FinDev Canada,
14 and the European Development Finance Institutions (re-
15 ferred to as the “DFI Alliance”) to enhance coordination
16 on shared objectives to foster private sector-led develop-
17 ment and provide market-based alternatives to state-di-
18 rected financing in emerging markets, particularly as re-
19 lated to the People’s Republic of China’s Belt and Road
20 Initiative (BRI), including by integrating efforts such
21 as—

22 (1) the European Union Strategy on Con-
23 necting Europe and Asia;

24 (2) the Three Seas Initiative and Three Seas
25 Initiative Fund;

1 (3) the Blue Dot Network among the United
2 States, Japan, and Australia; and

3 (4) a European Union-Japan initiative that has
4 leveraged \$65,000,000,000 for infrastructure
5 projects and emphasizes transparency standards.

6 (b) STANDARDS.—The United States and the Euro-
7 pean Union should coordinate and develop a strategy to
8 enhance transatlantic cooperation with the OECD and the
9 Paris Club on ensuring the highest possible standards for
10 Belt and Road Initiative contracts and terms with devel-
11 oping countries.

12 **SEC. 30258. REPORT AND BRIEFING ON COOPERATION BE-**
13 **TWEEN CHINA AND IRAN AND BETWEEN**
14 **CHINA AND RUSSIA.**

15 (a) APPROPRIATE COMMITTEES OF CONGRESS DE-
16 FINED.—In this section, the term “appropriate commit-
17 tees of Congress” means—

18 (1) the Committee on Foreign Relations, the
19 Select Committee on Intelligence, the Committee on
20 Armed Services, the Committee on Commerce,
21 Science, and Transportation, the Committee on En-
22 ergy and Natural Resources, the Committee on
23 Banking, Housing, and Urban Affairs, the Com-
24 mittee on Finance, and the Committee on Appro-
25 priations of the Senate; and

1 (2) the Committee on Foreign Affairs, the Per-
2 manent Select Committee on Intelligence, the Com-
3 mittee on Armed Services, the Committee on Energy
4 and Commerce, the Committee on Financial Serv-
5 ices, the Committee on Ways and Means, and the
6 Committee on Appropriations of the House of Rep-
7 resentatives.

8 (b) REPORT AND BRIEFING REQUIRED.—

9 (1) IN GENERAL.—Not later than 180 days
10 after the date of the enactment of this Act, the Di-
11 rector of National Intelligence shall, in coordination
12 with the Secretary of State, the Secretary of De-
13 fense, the Secretary of Commerce, the Secretary of
14 Energy, the Secretary of the Treasury, and such
15 other heads of Federal agencies as the Director con-
16 siders appropriate, submit to the appropriate com-
17 mittees of Congress a report and brief such commit-
18 tees on cooperation between—

19 (A) the People’s Republic of China and the
20 Islamic Republic of Iran; and

21 (B) the People’s Republic of China and the
22 Russian Federation.

23 (2) CONTENTS.—The report and briefing under
24 paragraph (1) shall include the following elements:

1 (A) An identification of major areas of dip-
2 lomatic energy, infrastructure, banking, finan-
3 cial, economic, military, and space coopera-
4 tion—

5 (i) between the People’s Republic of
6 China and the Islamic Republic of Iran;
7 and

8 (ii) between the People’s Republic of
9 China and the Russian Federation.

10 (B) An assessment of the effect of the
11 COVID–19 pandemic on such cooperation.

12 (C) An assessment of the effect that
13 United States compliance with the Joint Com-
14 prehensive Plan of Action (JCPOA) starting in
15 January 14, 2016, and United States with-
16 drawal from the JCPOA on May 8, 2018, had
17 on the cooperation described in subparagraph
18 (A)(i).

19 (D) An assessment of the effect on the co-
20 operation described in subparagraph (A)(i) that
21 would be had by the United States reentering
22 compliance with the JCPOA or a successor
23 agreement and the effect of the United States
24 not reentering compliance with the JCPOA or
25 reaching a successor agreement.

1 (3) FORM.—The report submitted under para-
2 graph (1) shall be submitted in unclassified form,
3 but may include a classified annex.

4 (c) SENSE OF CONGRESS ON SHARING WITH ALLIES
5 AND PARTNERS.—It is the sense of Congress that the Di-
6 rector of National Intelligence and the heads of other ap-
7 propriate Federal departments and agencies should share
8 with important allies and partners of the United States,
9 as appropriate, the findings of the report required under
10 subsection (b).

11 **PART 3—SOUTH AND CENTRAL ASIA**

12 **SEC. 30261. SENSE OF CONGRESS ON SOUTH AND CENTRAL**
13 **ASIA.**

14 It is the sense of Congress that—

15 (1) the United States should continue to stand
16 with friends and partners, while also working to es-
17 tablish new partners in South and Central Asia as
18 they contend with efforts by the Government of the
19 People’s Republic of China to interfere in their re-
20 spective political systems and encroach upon their
21 sovereign territory; and

22 (2) the United States should reaffirm its com-
23 mitment to the Comprehensive Global Strategic
24 Partnership with India and further deepen bilateral
25 defense consultations and collaboration with India

1 commensurate with its status as a major defense
2 partner.

3 **SEC. 30262. STRATEGY TO ENHANCE COOPERATION WITH**
4 **SOUTH AND CENTRAL ASIA.**

5 (a) IN GENERAL.—Not later than 180 days after the
6 date of the enactment of this Act, the President shall sub-
7 mit to the appropriate congressional committees, the Com-
8 mittee on Armed Services of the Senate and, the Com-
9 mittee on Armed Services of the House of Representatives
10 a strategy for how the United States will engage with the
11 countries of South and Central Asia, including through
12 the C5+1 mechanism, with respect to the People’s Repub-
13 lic of China.

14 (b) ELEMENTS.—The strategy required under sub-
15 section (a) shall include the following elements:

16 (1) A detailed description of the security and
17 economic challenges that the People’s Republic of
18 China (PRC) poses to the countries of South and
19 Central Asia, including border disputes with South
20 and Central Asian countries that border the People’s
21 Republic of China, and PRC investments in land
22 and sea ports, transportation infrastructure, and en-
23 ergy projects across the region.

24 (2) A detailed description of United States ef-
25 forts to provide alternatives to PRC investment in

1 infrastructure and other sectors in South and Cen-
2 tral Asia.

3 (3) A detailed description of bilateral and re-
4 gional efforts to work with countries in South Asia
5 on strategies to build resilience against PRC efforts
6 to interfere in their political systems and economies.

7 (4) A detailed description of United States dip-
8 lomatic efforts to work with the Government of Af-
9 ghanistan on addressing the challenges posed by
10 PRC investment in the Afghan mineral sector.

11 (5) A detailed description of United States dip-
12 lomatic efforts with the Government of Pakistan
13 with respect to matters relevant to the People's Re-
14 public of China, including investments by the Peo-
15 ple's Republic of China in Pakistan through the Belt
16 and Road Initiative.

17 (6) In close consultation with the Government
18 of India, identification of areas with respect to which
19 the United States Government can provide diplo-
20 matic and other support as appropriate for India's
21 efforts to address economic and security challenges
22 posed by the People's Republic of China in the re-
23 gion.

24 (7) A description of the coordination mecha-
25 nisms among key regional and functional bureaus

1 within the Department of State and Department of
2 Defense tasked with engaging with the countries of
3 South and Central Asia on issues relating to the
4 People's Republic of China.

5 (8) A detailed description of United States dip-
6 lomatic efforts with Central Asian countries, Turkey,
7 and any other countries with significant populations
8 of Uyghurs and other ethnic minorities fleeing perse-
9 cution in the People's Republic of China to press
10 those countries to refrain from deporting ethnic mi-
11 norities to the People's Republic of China, protect
12 ethnic minorities from intimidation by Chinese Gov-
13 ernment authorities, and protect the right to the
14 freedoms of assembly and expression.

15 (c) FORM.—The strategy required under section (a)
16 shall be submitted in an unclassified form that can be
17 made available to the public, but may include a classified
18 annex as necessary.

19 (d) CONSULTATION.—Not later than 120 days after
20 the date of the enactment of this Act and not less often
21 than annually thereafter for five years, the Secretary of
22 State shall consult with the appropriate congressional
23 committees, the Committee on Armed Services of the Sen-
24 ate, and the Committee on Armed Services of the House

1 of Representatives regarding the development and imple-
2 mentation of the strategy required under subsection (a).

3 **SEC. 30263. INDIAN OCEAN REGION STRATEGIC REVIEW.**

4 (a) FINDINGS.—Congress makes the following find-
5 ings:

6 (1) The Indian Ocean region is a vitally impor-
7 tant part of the Indo-Pacific where the United
8 States has political, economic, and security interests.

9 (2) The United States has an interest in work-
10 ing with partners in the Indo-Pacific, including
11 India, Japan, and Australia, to address regional gov-
12 ernance, economic connectivity, and security chal-
13 lenges including threats to freedom of navigation.

14 (b) STATEMENT OF POLICY.—As a part of the
15 United States engagement in the Indo-Pacific, it shall be
16 the policy of the United States to strengthen engagement
17 with the countries in the Indian Ocean region, including
18 with governments, civil society, and private sectors in such
19 countries to—

20 (1) promote United States political engagement
21 with such region, including through active participa-
22 tion in regional organizations, and strengthened dip-
23 lomatic relations with United States partners in
24 such region;

1 (2) enhance United States economic
2 connectivity and commercial exchange with such re-
3 gion;

4 (3) defend freedom of navigation in such region
5 from security challenges, including related to piracy;

6 (4) support the ability of governments and or-
7 ganizations in such region to respond to natural dis-
8 asters;

9 (5) support and facilitate the role of regional al-
10 lies and partners as net providers of security to such
11 region and as partners to the United States in ad-
12 dressing security challenges in such region, including
13 through assistance to such allies and partners to
14 build capacity in maritime security and maritime do-
15 main awareness;

16 (6) continue to build the United States-India
17 relationship in order to regularize security coopera-
18 tion through the negotiation of agreements con-
19 cerning access, communication, and navigation, in-
20 cluding through foundational agreements; and

21 (7) promote cooperation with United States al-
22 lies in the Indo-Pacific, including Japan and Aus-
23 tralia, and major defense partners, including India,
24 and NATO allies, including the United Kingdom and

1 France, to support a rules-based order in such re-
2 gion.

3 (c) STRATEGY.—

4 (1) IN GENERAL.—Not later than 180 days
5 after the date of the enactment of this Act, the Sec-
6 retary of State, in coordination with the Secretary of
7 Defense and the Administrator of the United States
8 Agency for International Development (USAID),
9 shall submit to the appropriate committees of Con-
10 gress a multi-year strategy for United States en-
11 gagement to support United States interests in the
12 Indian Ocean region. Such strategy shall—

13 (A) define United States political, eco-
14 nomic, and security interests in the Indian
15 Ocean region;

16 (B) outline challenges to the interests of
17 the United States in such region;

18 (C) outline efforts to improve cooperation
19 between the United States and members of the
20 Quad, including India, Japan, and Australia,
21 through coordination in diplomacy and develop-
22 ment priorities, joint military exercises and op-
23 erations, and other activities that promote
24 United States political, economic, and security
25 interests;

1 (D) outline efforts to support economic
2 connectivity in such region, including through
3 the United States-India-Japan Trilateral Infra-
4 structure Working Group, the Asia-Africa
5 Growth Corridor, and other efforts to expand
6 and enhance connectivity across the Indo-Pa-
7 cific, including with the countries of Southeast
8 Asia, that maintain high standards of invest-
9 ment and support for civil society and people-
10 to-people connectivity;

11 (E) describe how the United States can en-
12 gage with regional intergovernmental organiza-
13 tions and entities, including the Indian Ocean
14 Rim Association, to promote United States po-
15 litical, economic, and security interests in such
16 region;

17 (F) review the United States diplomatic
18 posture in such region, including an assessment
19 of United States diplomatic engagement in
20 countries without a permanent United States
21 embassy or diplomatic mission, and an assess-
22 ment of ways to improve the cooperation with
23 the Maldives, the Seychelles, and Comoros;

24 (G) review United States diplomatic agree-
25 ments with countries in such region that facili-

1 tate United States military operations in such
2 region, including bilateral and multilateral
3 agreements, and describe efforts to expand
4 United States cooperation with such countries
5 through the negotiation of additional agree-
6 ments; and

7 (H) include a security assistance strategy
8 for such region that outlines priorities, objec-
9 tives, and actions for United States security as-
10 sistance efforts to governments of countries in
11 such region to promote United States political,
12 economic, and security interests in such region.

13 (2) INCLUSION.—The strategy required under
14 paragraph (1) may be submitted as a part of any
15 other strategy relating to the Indo-Pacific.

16 (3) REPORT ON IMPLEMENTATION.—Not later
17 than one year after the submission of the strategy
18 required under paragraph (1) and one year there-
19 after, the Secretary of State shall submit to the ap-
20 propriate congressional committees a report on
21 progress made toward implementing such strategy.

22 (d) UNITED STATES-CHINA ECONOMIC AND SECU-
23 RITY REVIEW COMMISSION.—

24 (1) IN GENERAL.—Subparagraph (E) of section
25 1238(e)(2) of the Floyd D. Spence National Defense

1 Authorization Act for Fiscal Year 2001 (22 U.S.C.
2 7002(e)(2)) is amended—

3 (A) by inserting “, including in the Indian
4 Ocean region” after “deployments of the Peo-
5 ple’s Republic of China military”; and

6 (B) by adding at the end the following new
7 sentence: “In this subparagraph, the term ‘In-
8 dian Ocean region’ means the Indian Ocean, in-
9 cluding the Arabian Sea and the Bay of Bengal,
10 and the littoral areas surrounding the Indian
11 Ocean.”.

12 (2) EFFECTIVE DATE.—The amendments made
13 by paragraph (1) shall take effect on the date of the
14 enactment of this Act and apply beginning with the
15 first report required under section 1238 of the Floyd
16 D. Spence National Defense Authorization Act for
17 Fiscal Year 2001 (as amended by such paragraph)
18 that is submitted after such date.

19 (e) DEFINITIONS.—In this section:

20 (1) APPROPRIATE COMMITTEES OF CON-
21 GRESS.—The term “appropriate committees of Con-
22 gress” means the Committee on Foreign Affairs and
23 the Committee on Armed Services of the House of
24 Representatives and the Committee on Foreign Re-

1 lations and the Committee on Armed Services of the
2 Senate.

3 (2) INDIAN OCEAN REGION.—The term “Indian
4 Ocean region” means the Indian Ocean, including
5 the Arabian Sea and the Bay of Bengal, and the lit-
6 toral areas surrounding the Indian Ocean.

7 **PART 4—AFRICA**

8 **SEC. 30271. ASSESSMENT OF POLITICAL, ECONOMIC, AND** 9 **SECURITY ACTIVITY OF THE PEOPLE’S RE-** 10 **PUBLIC OF CHINA IN AFRICA.**

11 (a) APPROPRIATE COMMITTEES OF CONGRESS DE-
12 FINED.—In this section, the term “appropriate commit-
13 tees of Congress” means—

14 (1) the Committee on Foreign Relations, the
15 Committee on Armed Services, and the Select Com-
16 mittee on Intelligence of the Senate; and

17 (2) the Committee on Foreign Affairs, the
18 Committee on Armed Services, and the Permanent
19 Select Committee on Intelligence of the House of
20 Representatives.

21 (b) INTELLIGENCE ASSESSMENT.—Not later than
22 180 days after the date of the enactment of this Act, the
23 Secretary of State shall, in coordination with the Director
24 of National Intelligence, submit to the appropriate com-
25 mittees of Congress a report that assesses the nature and

1 impact of the People’s Republic of China’s political, eco-
2 nomic, socio-cultural, and security sector activity in Afri-
3 ca, and its impact on United States strategic interests,
4 including information relating to—

5 (1) the amount and impact of direct invest-
6 ment, loans, development financing, oil-for-loans
7 deals, and other preferential trading arrangements;

8 (2) the involvement of People’s Republic of
9 China (PRC) state-owned enterprises in Africa;

10 (3) the amount of African debt held by the
11 PRC;

12 (4) the involvement of PRC private security,
13 technology and media companies in Africa;

14 (5) the scale and impact of PRC arms sales to
15 African countries;

16 (6) the scope of PRC investment in and control
17 of African energy resources and minerals critical for
18 emerging and foundational technologies;

19 (7) an analysis on the linkages between PRC’s
20 aid and assistance to African countries and African
21 countries supporting PRC geopolitical goals in inter-
22 national fora;

23 (8) the methods, tools, and tactics used to fa-
24 cilitate illegal and corrupt activity, including trade in
25 counterfeit and illicit goods, to include smuggled ex-

1 tractive resources and wildlife products, between Af-
2 rica and the PRC;

3 (9) the methods and techniques that the PRC
4 uses to exert undue influence on African govern-
5 ments and facilitate corrupt activity in Africa, in-
6 cluding through the CCP's party-to-party training
7 program, and to influence African multilateral orga-
8 nizations; and

9 (10) an analysis of the soft power, cultural and
10 educational activities undertaken by the PRC and
11 CCP to seek to expand its influence in Africa.

12 **SEC. 30272. INCREASING THE COMPETITIVENESS OF THE**
13 **UNITED STATES IN AFRICA.**

14 (a) **APPROPRIATE COMMITTEES OF CONGRESS DE-**
15 **FINED.**—In this section, the term “appropriate commit-
16 **tees of Congress”** means—

17 (1) the Committee on Foreign Relations, the
18 Committee on Appropriations, and the Committee on
19 Finance of the Senate; and

20 (2) the Committee on Foreign Affairs, the
21 Committee on Appropriations, and the Committee on
22 Ways and Means of the House of Representatives.

23 (b) **STRATEGY REQUIREMENT.**—Not later than 180
24 days after the date of the enactment of this Act, the Sec-
25 retary of State shall, in consultation with the Secretary

1 of the Treasury, the Secretary of Commerce, the Attorney
2 General, the United States Trade Representative, the Ad-
3 ministrator of the United States Agency for International
4 Development, and the leadership of the United States
5 International Development Finance Corporation, submit
6 to the appropriate committees of Congress a report setting
7 forth a multi-year strategy for increasing United States
8 economic competitiveness and promoting improvements in
9 the investment climate in Africa, including through sup-
10 port for—

11 (1) democratic institutions and the rule of law,
12 including property rights; and

13 (2) improved transparency, anti-corruption ef-
14 forts, and good governance.

15 (c) ELEMENTS.—The strategy submitted pursuant to
16 subsection (a) shall include—

17 (1) a description and assessment of barriers to
18 United States investment in Africa for United States
19 businesses, including a clear identification of the dif-
20 ferent barriers facing small-sized and medium-sized
21 businesses, and an assessment of whether existing
22 programs effectively address such barriers;

23 (2) a description and assessment of barriers to
24 African diaspora investment in Africa, and rec-
25 ommendations to overcome such barriers;

1 (3) an identification of the economic sectors in
2 the United States that have a comparative advan-
3 tage in African markets;

4 (4) an assessment of additional foreign assist-
5 ance needs, including democracy and governance and
6 rule of law support, to promote a conducive oper-
7 ating environment in priority countries;

8 (5) establishing a dialogue on security, develop-
9 ment, and environmental issues of mutual interest;
10 and

11 (6) a plan to regularly host a United States-Af-
12 rica Leaders Summit to promote strategic engage-
13 ment and security in Africa.

14 (d) ASSESSMENT OF UNITED STATES GOVERNMENT
15 HUMAN RESOURCES CAPACITY.—The Comptroller Gen-
16 eral of the United States shall—

17 (1) conduct a review of the number of Foreign
18 Commercial Service Officers and Department of
19 State Economic Officers at United States embassies
20 in sub-Saharan Africa; and

21 (2) develop and submit to the appropriate con-
22 gressional committees an assessment of whether
23 human resource capacity in such embassies is ade-
24 quate to meet the goals of the various trade and eco-
25 nomic programs and initiatives in Africa, including

1 the African Growth and Opportunity Act and Pros-
2 per Africa.

3 **SEC. 30273. DIGITAL SECURITY COOPERATION WITH RE-**
4 **SPECT TO AFRICA.**

5 (a) APPROPRIATE COMMITTEES OF CONGRESS DE-
6 FINED.—In this section, the term “appropriate commit-
7 tees of Congress” means—

8 (1) the Committee on Foreign Relations, the
9 Committee on Armed Services, the Select Committee
10 on Intelligence of the Senate, and the Committee on
11 Homeland Security and Governmental Affairs ; and

12 (2) the Committee on Foreign Affairs, the
13 Committee on Armed Services, the Permanent Select
14 Committee on Intelligence, and the Committee on
15 Oversight and Reform of the House of Representa-
16 tives.

17 (b) INTERAGENCY WORKING GROUP TO COUNTER
18 PRC CYBER AGGRESSION IN AFRICA.—

19 (1) IN GENERAL.—The President shall establish
20 an interagency Working Group, which shall include
21 the National Cyber Director and representatives of
22 the Department of State, the Department of De-
23 fense, the Office of the Director of National Intel-
24 ligence, and such other agencies of the United States
25 Government as the President considers appropriate,

1 on means to counter PRC cyber aggression with re-
2 spect to Africa.

3 (2) DUTIES.—The Working Group established
4 pursuant to this subsection shall develop and submit
5 to the appropriate congressional committees a set of
6 recommendations, such as for—

7 (A) bolstering the capacity of governments
8 in Africa to ensure the integrity of their data
9 networks and critical infrastructure, where ap-
10 plicable;

11 (B) providing alternatives to Huawei;

12 (C) an action plan for United States em-
13 bassies in Africa to provide assistance to host-
14 country governments with respect to protecting
15 their vital digital networks and infrastructure
16 from PRC espionage, including an assessment
17 of staffing resources needed to implement the
18 action plan in embassies in Africa;

19 (D) utilizing interagency resources to
20 counter PRC disinformation and propaganda in
21 traditional and digital media targeted to Afri-
22 can audiences; and

23 (E) helping civil society in Africa counter
24 digital authoritarianism and identifying tools

1 and assistance to enhance and promote digital
2 democracy.

3 **SEC. 30274. SUPPORT FOR YOUNG AFRICAN LEADERS INI-**
4 **TIATIVE.**

5 (a) SENSE OF CONGRESS.—It is the sense of Con-
6 gress that—

7 (1) the Young African Leaders Initiative,
8 launched in 2010, is a signature effort to invest in
9 the next generation of African leaders;

10 (2) Africa is a continent of strategic importance
11 and it is vital for the United States to support
12 strong and enduring partnerships with the next gen-
13 eration of African leaders; and

14 (3) the United States Government should
15 prioritize investments to build the capacity of emerg-
16 ing young African leaders in sub-Saharan Africa, in-
17 cluding through efforts to enhance leadership skills,
18 encourage entrepreneurship, strengthen public ad-
19 ministration and the role of civil society, and connect
20 young African leaders continentally and globally
21 across the private, civic, and public sectors.

22 (b) YOUNG AFRICAN LEADERS INITIATIVE PRO-
23 GRAM.—

1 (1) IN GENERAL.—There is established in the
2 Department of State the Young African Leaders Ini-
3 tiative (“YALI”) program.

4 (2) PURPOSE.—The YALI program shall seek
5 to build the capacity of young African leaders in
6 sub-Saharan Africa in the areas of business, civic
7 engagement, or public administration, including
8 through efforts to—

9 (A) support young African leaders by of-
10 fering professional development, training, and
11 networking opportunities, particularly in the
12 areas of leadership, innovation, civic engage-
13 ment, elections, human rights, entrepreneur-
14 ship, good governance, and public administra-
15 tion; and

16 (B) provide increased economic and tech-
17 nical assistance to young African leaders to pro-
18 mote economic growth and strengthen ties be-
19 tween United States and African businesses.

20 (3) FELLOWSHIPS.—The YALI program shall
21 award fellowships under the Mandela Washington
22 Fellowship for Young African Leaders program to
23 young African leaders ages 18 to 35 who have dem-
24 onstrated strong capabilities in entrepreneurship, in-
25 novation, public service, and leadership, and who

1 have had a positive impact in their communities, or-
2 ganizations, or institutions.

3 (4) REGIONAL LEADERSHIP CENTERS.—The
4 YALI program shall seek to establish regional lead-
5 ership centers in sub-Saharan Africa to offer train-
6 ing to young African leaders ages 18 to 35 who have
7 demonstrated strong capabilities in entrepreneur-
8 ship, innovation, public service and leadership, and
9 who have had a positive impact in their commu-
10 nities, organizations, or institutions.

11 (5) ACTIVITIES.—

12 (A) UNITED STATES-BASED ACTIVITIES.—
13 The Secretary of State, in coordination with the
14 Administrator for the United States Agency for
15 International Development and the heads of
16 other relevant Federal departments and agen-
17 cies, shall oversee all United States-based ac-
18 tivities carried out under the YALI program,
19 including the following:

20 (i) The participation of Mandela
21 Washington fellows in a six-week Leader-
22 ship Institute at a United States university
23 or college in business, civic engagement, or
24 public management, including academic
25 sessions, site visits, professional net-

1 working opportunities, leadership training,
2 community service, and organized cultural
3 activities.

4 (ii) The participation by Mandela
5 Washington fellows in an annual Mandela
6 Washington Fellowship Summit, to provide
7 such Fellows the opportunity to meet with
8 United States leaders from the private,
9 public, and non-profit sectors.

10 (B) AFRICA-BASED ACTIVITIES.—The Sec-
11 retary of State, in coordination with the Admin-
12 istrator for the United States Agency for Inter-
13 national Development and the heads of other
14 relevant Federal departments and agencies,
15 should continue to support YALI programs in
16 sub-Saharan Africa, including the following:

17 (i) Access to continued leadership
18 training and other professional develop-
19 ment opportunities for Mandela Wash-
20 ington Fellowship for Young African Lead-
21 ers alumni upon their return to their home
22 countries, including online courses, tech-
23 nical assistance, and access to funding.

24 (ii) Training for young African lead-
25 ers at regional leadership centers estab-

1 lished in accordance with paragraph (4),
2 and through online and in-person courses
3 offered by such centers.

4 (iii) Opportunities for networking and
5 engagement with—

6 (I) other alumni of the Mandela
7 Washington Fellowship for Young Af-
8 rican Leaders;

9 (II) alumni of programs at re-
10 gional leadership centers established
11 in accordance with paragraph (4); and

12 (III) United States and like-
13 minded diplomatic missions, business
14 leaders, and others as appropriate.

15 (C) IMPLEMENTATION.—To carry out this
16 paragraph, the Secretary of State, in coordina-
17 tion with the Administrator of the United
18 States Agency for International Development
19 and the heads of other relevant Federal depart-
20 ments and agencies shall seek to partner with
21 the private sector to pursue public-private part-
22 nerships, leverage private sector expertise, ex-
23 pand networking opportunities, and identify
24 funding opportunities as well as fellowship and

1 employment opportunities for participants in
2 the YALI program.

3 (6) IMPLEMENTATION PLAN.—Not later than
4 180 days after the date of the enactment of this Act,
5 the Secretary of State, in coordination with the Ad-
6 ministrator of the United States Agency for Inter-
7 national Development and the heads of other rel-
8 evant Federal departments and agencies, shall sub-
9 mit to the appropriate congressional committees a
10 plan for implementing the YALI program, including
11 the following:

12 (A) A description of clearly defined pro-
13 gram goals, targets, and planned outcomes for
14 each year and for the duration of implementa-
15 tion of the program.

16 (B) A strategy to monitor and evaluate the
17 program and progress made toward achieving
18 such goals, targets, and planned outcomes.

19 (C) A strategy to ensure the program is
20 promoting United States foreign policy goals in
21 Africa, including ensuring that the program is
22 clearly branded and paired with robust public
23 diplomacy efforts.

24 (7) REPORT.—Not later than 1 year after the
25 date of the enactment of this Act, and annually

1 thereafter for 5 years, the Secretary of State, in co-
2 ordination with the Administrator of the United
3 States Agency for International Development, shall
4 submit to the appropriate congressional committees
5 and publish in a publicly accessible, internet-based
6 form, a report on the following:

7 (A) The progress made toward achieving
8 the goals, targets, and planned outcomes de-
9 scribed in paragraph (6)(A), including an over-
10 view of the program implemented in the pre-
11 vious year and an estimated number of bene-
12 ficiaries.

13 (B) An assessment of how the YALI pro-
14 gram is contributing to and promoting United
15 States-Africa relations, particularly in areas of
16 increased private sector investment, trade pro-
17 motion, support to civil society, improved public
18 administration, and fostering entrepreneurship
19 and youth empowerment.

20 (C) Recommendations for improvements or
21 changes to the program and implementation
22 plan, if any, that would improve their effective-
23 ness during subsequent years of implementation
24 of the program.

1 (8) APPROPRIATE CONGRESSIONAL COMMIT-
2 TEES DEFINED.—In this subsection, the term “ap-
3 propriate congressional committees” means—

4 (A) the Committee on Foreign Affairs and
5 the Committee on Appropriations of the House
6 of Representatives; and

7 (B) the Committee on Foreign Relations
8 and the Committee on Appropriations of the
9 Senate.

10 (9) SUNSET.—The requirements of this section
11 shall terminate on the date that is 5 years after the
12 date of the enactment of this Act.

13 **SEC. 30275. AFRICA BROADCASTING NETWORKS.**

14 Not later than 180 days after the date of the enact-
15 ment of this Act, the Chief Executive Officer of the United
16 States Agency for Global Media shall submit to the appro-
17 priate congressional committees a report on the resources
18 and timeline needed to establish within the Agency an or-
19 ganization the mission of which shall be to promote demo-
20 cratic values and institutions in Africa by providing objec-
21 tive, accurate, and relevant news and information to the
22 people of Africa and counter disinformation from malign
23 actors, especially in countries in which a free press is
24 banned by the government or not fully established, about

1 the region, the world, and the United States through un-
2 censored news, responsible discussion, and open debate.

3 **SEC. 30276. AFRICA ENERGY SECURITY AND DIVERSIFICA-**
4 **TION.**

5 (a) STATEMENT OF POLICY.—It is the policy of the
6 United States to support increased access to energy in Af-
7 rica and reduce Africa’s energy dependence on countries
8 that use energy reliance for undue political influence such
9 as the Russian Federation and the People’s Republic of
10 China.

11 (b) FINDINGS.—Congress finds the following:

12 (1) Lack of access to energy remains a signifi-
13 cant barrier to economic advancement and oppor-
14 tunity in Africa. As of 2018, an estimated
15 789,000,000 people, the vast majority of them in
16 sub-Saharan Africa, lacked access to any modern
17 electricity. Even in the region’s most advanced
18 economies, average annual per capita electricity con-
19 sumption is often under 200 kilowatt-hours, less
20 than what is needed to power a typical refrigerator.
21 Only a small fraction of the 12,000,000 young Afri-
22 cans who enter the job market each year find em-
23 ployment; and the cost and reliability of electricity
24 remain top constraints to job creation and economic
25 competitiveness.

1 (2) The United States’ global strategic competi-
2 tors have stepped in to address this disparity and fi-
3 nance energy sector development across Africa.
4 China is the single largest trading partner for Afri-
5 can countries in aggregate, and the largest bilateral
6 lender for public sector loans across Africa. Approxi-
7 mately 65 percent of Chinese lending to Africa goes
8 to infrastructure, and between 2013–2020, the en-
9 ergy sector consistently accounted for the largest
10 share of all investment under China’s Belt and Road
11 Initiative.

12 (3) Reliable, affordable, and sustainable power
13 is the foundation for all modern economies and nec-
14 essary for increasing growth and employment.

15 (4) Increasing energy supply in low- and lower
16 middle-income countries is necessary in the next dec-
17 ades in order to meet human, social, security, and
18 economic needs.

19 (5) Addressing energy poverty, powering inclu-
20 sive economies, and making energy systems resilient
21 in low- and lower middle-income countries will re-
22 quire diversified power systems and a mix of tech-
23 nologies that align with local conditions, resources,
24 and needs.

1 (c) SENSE OF CONGRESS.—It is the sense of Con-
2 gress that countries in Africa continue to be important
3 partners to the United States and the DFC should con-
4 tinue to make investments in sub-Saharan Africa to facili-
5 tate technologies that contribute to energy security and
6 reliable, affordable, and sustainable power in low and
7 lower middle-income countries.

8 (d) AMENDMENT.—Section 3 of the Electrify Africa
9 Act of 2015 (Public Law 114–121; 22 U.S.C. 2293 note)
10 is amended—

11 (1) in paragraph (8), by striking “and” at the
12 end;

13 (2) in paragraph (9), by striking the period and
14 inserting a semicolon; and

15 (3) by inserting after paragraph (9) the fol-
16 lowing:

17 “(10) advance United States foreign policy and
18 development goals by assisting African countries to
19 reduce their dependence on energy resources from
20 countries that use energy dependence for undue po-
21 litical influence, such as the Russian Federation or
22 the People’s Republic of China, which have used en-
23 ergy and financial resources to influence other coun-
24 tries;

1 “(11) promote the energy security of allies and
2 partners of the United States by encouraging the de-
3 velopment of accessible, transparent, and competitive
4 energy markets that provide diversified sources and
5 reliable, affordable, and sustainable power;

6 “(12) encourage United States public and pri-
7 vate sector investment in African energy infrastruc-
8 ture projects to bridge the gap between energy secu-
9 rity requirements and commercial demand in a way
10 that is consistent with the region’s capacity; and

11 “(13) help facilitate the export of United States
12 energy resources, technology, and expertise to global
13 markets in a way that benefits the energy security
14 of allies and partners of the United States, including
15 in Africa.”.

16 **PART 5—MIDDLE EAST AND NORTH AFRICA**

17 **SEC. 30281. STRATEGY TO COUNTER CHINESE INFLUENCE**

18 **IN, AND ACCESS TO, THE MIDDLE EAST AND**

19 **NORTH AFRICA.**

20 (a) SENSE OF CONGRESS.—It is the sense of Con-
21 gress that—

22 (1) the People’s Republic of China is upgrading
23 its influence in the Middle East and North Africa
24 through its energy and infrastructure investments,
25 technology transfer, and arms sales;

1 (2) the People’s Republic of China seeks to es-
2 tablish military or dual use facilities in geographi-
3 cally strategic locations in the Middle East and
4 North Africa to further its Belt and Road Initiative
5 at the expense of United States national security in-
6 terests; and

7 (3) the export of certain communications infra-
8 structure from the People’s Republic of China de-
9 grades the security of partner networks, exposes in-
10 tellectual property to theft, threatens the ability of
11 the United States to conduct security cooperation
12 with compromised regional partners, and furthers
13 China’s authoritarian surveillance model.

14 (b) STRATEGY REQUIRED.—

15 (1) IN GENERAL.—Not later than 180 days
16 after the date of the enactment of this Act, the Sec-
17 retary of State, in consultation with the Secretary of
18 Defense, the Administrator of the United States
19 Agency for International Development, and the
20 heads of other appropriate Federal agencies, shall
21 jointly develop and submit to the appropriate con-
22 gressional committees and the Committees on Armed
23 Services of the Senate and the House of Representa-
24 tives a strategy for countering and limiting the Peo-

1 ple’s Republic of China’s influence in, and access to,
2 the Middle East and North Africa.

3 (2) ELEMENTS.—The strategy required under
4 paragraph (1) shall include—

5 (A) an assessment of the People’s Republic
6 of China’s intent with regards to increased co-
7 operation with Middle East and North African
8 countries and how such cooperation fits into its
9 broader global strategic objectives;

10 (B) an assessment of how governments
11 across the region are responding to the People’s
12 Republic of China’s efforts to increase its mili-
13 tary presence in their countries;

14 (C) efforts to improve regional cooperation
15 through foreign military sales, financing, and
16 efforts to build partner capacity and increase
17 interoperability with the United States;

18 (D) an assessment of the People’s Republic
19 of China’s joint research and development with
20 the Middle East and North Africa, impacts on
21 the United States’ national security interests,
22 and recommended steps to mitigate the People’s
23 Republic of China’s influence in such area;

24 (E) an assessment of arms sales and weap-
25 ons technology transfers from the People’s Re-

1 public of China to the Middle East and North
2 Africa, impacts on United States' national secu-
3 rity interests, and recommended steps to miti-
4 gate the People's Republic of China's influence
5 in such area;

6 (F) an assessment of the People's Republic
7 of China's military sales to the region, including
8 lethal and non-lethal unmanned aerial systems;

9 (G) an assessment of People's Republic of
10 China military basing and dual-use facility ini-
11 tiatives across the Middle East and North Afri-
12 ca, impacts on United States' national security
13 interests, and recommended steps to mitigate
14 the People's Republic of China's influence in
15 such area;

16 (H) efforts to improve regional security co-
17 operation with United States allies and partners
18 with a focus on—

19 (i) maritime security in the Arabian
20 Gulf, the Red Sea, and the Eastern Medi-
21 terranean;

22 (ii) integrated air and missile defense;

23 (iii) cyber security;

24 (iv) border security; and

1 (v) critical infrastructure security, to
2 include energy security;

3 (I) increased support for government-to-
4 government engagement on critical infrastruc-
5 ture development projects, including ports and
6 water infrastructure;

7 (J) efforts to encourage United States pri-
8 vate sector and public-private partnerships in
9 healthcare technology and foreign direct invest-
10 ment in non-energy sectors;

11 (K) efforts to expand youth engagement
12 and professional education exchanges with key
13 partner countries;

14 (L) specific steps to counter increased in-
15 vestment from the People's Republic of China
16 in telecommunications infrastructure and diplo-
17 matic efforts to stress the political, economic,
18 and social benefits of a free and open internet;

19 (M) efforts to promote United States pri-
20 vate sector engagement in and public-private
21 partnerships on renewable energy development;

22 (N) the expansion of public-private part-
23 nership efforts on water, desalination, and irri-
24 gation projects; and

1 (O) efforts to warn United States partners
2 in the Middle East and North Africa of the
3 risks associated with the People’s Republic of
4 China’s telecommunications infrastructure and
5 provide alternative “clean paths” to the Peo-
6 ple’s Republic of China’s technology.

7 (c) FORM.—The strategy required under section (b)
8 shall be submitted in an unclassified form that can be
9 made available to the public, but may include a classified
10 annex as necessary.

11 **SEC. 30282. SENSE OF CONGRESS ON MIDDLE EAST AND**
12 **NORTH AFRICA ENGAGEMENT.**

13 (a) FINDINGS.—Congress makes the following find-
14 ings:

15 (1) The United States and the international
16 community have long-term interests in the stability,
17 security, and prosperity of the people of the Middle
18 East and North Africa.

19 (2) In addition to and apart from military and
20 security efforts, the United States should harness a
21 whole of government approach, including bilateral
22 and multilateral statecraft, economic lines of effort,
23 and public diplomacy to compete with and counter
24 PRC influence.

1 (3) A clearly articulated positive narrative of
2 United States engagement, transparent governance
3 structures, and active civil society engagement help
4 counter predatory foreign investment and influence
5 efforts.

6 (b) STATEMENT OF POLICY.—It is the policy of the
7 United States that the United States and the international
8 community should continue diplomatic and economic ef-
9 forts throughout the Middle East and North Africa that
10 support reform efforts to—

- 11 (1) promote greater economic opportunity;
- 12 (2) foster private sector development;
- 13 (3) strengthen civil society;
- 14 (4) promote transparent and democratic gov-
15 ernance and the rule of law; and
- 16 (5) promote greater regional integration and
17 intraregional cooperation, including with Israel.

18 **SEC. 30283. SENSE OF CONGRESS ON PEOPLE'S REPUBLIC**
19 **OF CHINA-IRAN RELATIONSHIP.**

20 It is the sense of Congress that the People's Republic
21 of China's economic relationship with Iran, including oil
22 purchases in violation of United States sanctions, under-
23 mines United States efforts to compel Iran to abandon
24 its malign activities.

1 **PART 6—ARCTIC REGION**

2 **SEC. 30285. ARCTIC DIPLOMACY.**

3 (a) SENSE OF CONGRESS ON ARCTIC SECURITY.—

4 It is the sense of Congress that—

5 (1) the rapidly changing Arctic environment—

6 (A) creates new national and regional secu-
7 rity challenges due to increased military activity
8 in the Arctic;

9 (B) heightens the risk of the Arctic emerg-
10 ing as a major theater of conflict in ongoing
11 strategic competition;

12 (C) threatens maritime safety as Arctic lit-
13 toral countries have inadequate capacity to pa-
14 trol the increased vessel traffic in this remote
15 region, which is a result of diminished annual
16 levels of sea ice;

17 (D) impacts public safety due to increased
18 human activity in the Arctic region where
19 search and rescue capacity remains very lim-
20 ited; and

21 (E) threatens the health of the Arctic's
22 fragile and pristine environment and the unique
23 and highly sensitive species found in the Arc-
24 tic's marine and terrestrial ecosystems; and

25 (2) the United States should reduce the con-
26 sequences described in paragraph (1) by—

1 (A) evaluating the wide variety and dy-
2 namic set of security and safety risks devel-
3 oping in the Arctic;

4 (B) developing policies and making prep-
5 arations to mitigate and respond to threats and
6 risks in the Arctic, including by continuing to
7 work with allies and partners in the Arctic re-
8 gion to deter potential aggressive activities and
9 build Arctic competencies;

10 (C) adequately funding the National Earth
11 System Prediction Capability to substantively
12 improve weather, ocean, and ice predictions on
13 the time scales necessary to ensure regional se-
14 curity and trans-Arctic shipping;

15 (D) investing in resources, including a sig-
16 nificantly expanded icebreaker fleet, to ensure
17 that the United States has adequate capacity to
18 prevent and respond to security threats in the
19 Arctic region; and

20 (E) pursuing diplomatic engagements with
21 all states in the Arctic region to reach an agree-
22 ment for—

23 (i) maintaining peace and stability in
24 the Arctic region;

1 (ii) fostering cooperation on steward-
2 ship and safety initiatives in the Arctic re-
3 gion;

4 (iii) ensuring safe and efficient man-
5 agement of commercial maritime traffic in
6 the Arctic;

7 (iv) promoting responsible natural re-
8 source management and economic develop-
9 ment; and

10 (v) countering China's Polar Silk
11 Road initiative;

12 (vi) examining the possibility of recon-
13 vening the Arctic Chiefs of Defense
14 Forum; and

15 (vii) reducing black carbon and meth-
16 ane emissions in the Arctic Region, includ-
17 ing by working with observers of the Arctic
18 Council, including India and the People's
19 Republic of China, to adopt mitigation
20 plans consistent with the findings and rec-
21 ommendations of the Arctic Council's
22 Framework for Action on Black Carbon
23 and Methane.

24 (b) STATEMENT OF POLICY.—It is the policy of the
25 United States—

1 (1) to recognize only the states specified in sub-
2 section (c)(1) as Arctic states, and to reject all other
3 claims to such status; and

4 (2) that the militarization of the Arctic poses a
5 serious threat to Arctic peace and stability, and the
6 interests of United States allies and partners.

7 (c) DEFINITIONS.—In this section:

8 (1) ARCTIC STATES.—The term “Arctic states”
9 means Russia, Canada, the United States, Norway,
10 Denmark (including Greenland), Finland, Sweden,
11 and Iceland.

12 (2) ARCTIC REGION.—The term “Arctic Re-
13 gion” means the geographic region north of the
14 66.56083 parallel latitude north of the equator.

15 (d) DESIGNATION OF AMBASSADOR AT LARGE FOR
16 ARCTIC AFFAIRS.—There is established within the De-
17 partment of State an Ambassador at Large for Arctic Af-
18 fairs (referred to in this section as the “Ambassador”),
19 appointed in accordance with paragraph (1).

20 (1) APPOINTMENT.—The Ambassador shall be
21 appointed by the President, by and with the advice
22 and consent of the Senate.

23 (2) DUTIES.—

24 (A) DIPLOMATIC REPRESENTATION.—Sub-
25 ject to the direction of the President and the

1 Secretary of State, the Ambassador is author-
2 ized to represent the United States in matters
3 and cases relevant to the Arctic Region in—

4 (i) contacts with foreign governments,
5 intergovernmental organizations, and spe-
6 cialized agencies of the United Nations,
7 the Arctic Council, and other international
8 organizations of which the United States is
9 a member; and

10 (ii) multilateral conferences and meet-
11 ings relating to Arctic affairs.

12 (B) CHAIR OF THE ARCTIC COUNCIL.—The
13 Ambassador shall serve as the Chair of the Arc-
14 tic Council when the United States holds the
15 Chairmanship of the Arctic Council.

16 (3) POLICIES AND PROCEDURES.—The Amba-
17 sador shall coordinate United States policies related
18 to the Arctic Region, including—

19 (A) meeting national security, economic,
20 and commercial needs pertaining to Arctic af-
21 fairs;

22 (B) protecting the Arctic environment and
23 conserving its biological resources;

1 (C) promoting environmentally sustainable
2 natural resource management and economic de-
3 velopment;

4 (D) strengthening institutions for coopera-
5 tion among the Arctic states;

6 (E) involving Arctic indigenous people in
7 decisions that affect them;

8 (F) enhancing scientific monitoring and re-
9 search on local, regional, and global environ-
10 mental issues;

11 (G) integrating scientific data on the cur-
12 rent and projected effects of climate change in
13 the Arctic Region and ensure that such data is
14 applied to the development of security strategies
15 for the Arctic Region;

16 (H) making available the methods and ap-
17 proaches on the integration of climate science
18 to other regional security planning programs in
19 the Department of State to better ensure that
20 broader decision-making processes may more
21 adequately account for the effects of climate
22 change; and

23 (I) reducing black carbon and methane
24 emissions in the Arctic Region.

1 (e) ARCTIC REGION SECURITY POLICY.—The Am-
2 bassador shall develop a policy, to be known as the “Arctic
3 Region Security Policy”, to assess, develop, budget for,
4 and implement plans, policies, and actions—

5 (1) to bolster the diplomatic presence of the
6 United States in Arctic states, including through en-
7 hancements to diplomatic missions and facilities,
8 participation in regional and bilateral dialogues re-
9 lated to Arctic security, and coordination of United
10 States initiatives and assistance programs across
11 agencies to protect the national security of the
12 United States and its allies and partners;

13 (2) to enhance the resilience capacities of Arctic
14 states to the effects of environmental change and in-
15 creased civilian and military activity by Arctic states
16 and other states that may result from increased ac-
17 cessibility of the Arctic Region;

18 (3) to assess specific added risks to the Arctic
19 Region and Arctic states that—

20 (A) are vulnerable to the changing Arctic
21 environment; and

22 (B) are strategically significant to the
23 United States;

24 (4) to coordinate the integration of environ-
25 mental change and national security risk and vulner-

1 ability assessments into the decision making process
2 on foreign assistance awards with Greenland;

3 (5) to advance principles of good governance by
4 encouraging and cooperating with Arctic states on
5 collaborative approaches—

6 (A) to responsibly manage natural re-
7 sources in the Arctic Region;

8 (B) to share the burden of ensuring mari-
9 time safety in the Arctic Region;

10 (C) to prevent the escalation of security
11 tensions by mitigating against the militarization
12 of the Arctic Region;

13 (D) to develop mutually agreed upon mul-
14 tilateral policies among Arctic states on the
15 management of maritime transit routes through
16 the Arctic Region and work cooperatively on the
17 transit policies for access to and transit in the
18 Arctic Region by non-Arctic states; and

19 (E) to facilitate the development of Arctic
20 Region Security Action Plans to ensure stability
21 and public safety in disaster situations in a hu-
22 mane and responsible fashion;

23 (6) to evaluate the vulnerability, security, sur-
24 vivability, and resiliency of United States interests
25 and non-defense assets in the Arctic Region; and

1 (7) to reduce black carbon and methane emis-
2 sions in the Arctic.

3 **SEC. 30286. STATEMENT OF POLICY REGARDING OBSERVER**
4 **STATUS FOR TAIWAN ON THE ARCTIC COUN-**
5 **CIL.**

6 It is the policy of the United States to urge that Tai-
7 wan be given observer status on the Arctic Council.

8 **PART 7—OCEANIA**

9 **SEC. 30291. STATEMENT OF POLICY ON UNITED STATES EN-**
10 **GAGEMENT IN OCEANIA.**

11 It shall be the policy of the United States—

12 (1) to elevate the countries of Oceania as a
13 strategic national security and economic priority of
14 the United States Government;

15 (2) to promote civil society, the rule of law, and
16 democratic governance across Oceania as part of a
17 free and open Indo-Pacific region;

18 (3) to broaden and deepen relationships with
19 the Freely Associated States of the Republic of
20 Palau, the Republic of the Marshall Islands, and the
21 Federated States of Micronesia through robust de-
22 fense, diplomatic, economic, and development ex-
23 changes that promote the goals of individual coun-
24 tries and the entire region;

1 (4) to work with the Governments of Australia,
2 New Zealand, and Japan to advance shared alliance
3 goals of the Oceania region concerning health, envi-
4 ronmental protection, disaster resilience and pre-
5 paredness, illegal, unreported and unregulated fish-
6 ing, maritime security, and economic development;

7 (5) to participate, wherever possible and appro-
8 priate, in existing regional organizations and inter-
9 national structures to promote the national security
10 and economic goals of the United States and coun-
11 tries of Oceania;

12 (6) to invest in a whole-of-government United
13 States strategy that will enhance youth engagement
14 and advance long-term growth and development
15 throughout the region, especially as such relates to
16 protecting marine resources that are critical to liveli-
17 hoods and strengthening the resilience of the coun-
18 tries of Oceania against current and future threats
19 resulting from extreme weather and severe changes
20 in the environment;

21 (7) to deter and combat acts of malign foreign
22 influence and corruption aimed at undermining the
23 political, environmental, social, and economic sta-
24 bility of the people and governments of the countries
25 of Oceania;

1 (8) to improve the local capacity of the coun-
2 tries of Oceania to address public health challenges
3 and improve global health security;

4 (9) to help the countries of Oceania access mar-
5 ket-based private sector investments that adhere to
6 best practices regarding transparency, debt sustain-
7 ability, and environmental and social safeguards as
8 an alternative to state-directed investments by au-
9 thoritarian governments;

10 (10) to ensure the people and communities of
11 Oceania remain safe from the risks of old and de-
12 grading munitions hazards and other debris that
13 threaten health and livelihoods;

14 (11) to cooperate with Taiwan by offering
15 United States support for maintaining Taiwan's dip-
16 lomatic partners in Oceania; and

17 (12) to work cooperatively with all governments
18 in Oceania to promote the dignified return of the re-
19 mains of members of the United States Armed
20 Forces who are missing in action from previous con-
21 flicts in the Indo-Pacific region.

22 **SEC. 30292. OCEANIA STRATEGIC ROADMAP.**

23 (a) OCEANIA STRATEGIC ROADMAP.—Not later than
24 180 days after the date of the enactment of this Act, the
25 Secretary of State shall submit to the appropriate congres-

1 sional committees a strategic roadmap for strengthening
2 United States engagement with the countries of Oceania,
3 including an analysis of opportunities to cooperate with
4 Australia, New Zealand, and Japan, to address shared
5 concerns and promote shared goals in pursuit of security
6 and resiliency in the countries of Oceania.

7 (b) ELEMENTS.—The strategic roadmap required by
8 subsection (a) shall include the following:

9 (1) A description of United States regional
10 goals and concerns with respect to Oceania and in-
11 creasing engagement with the countries of Oceania.

12 (2) An assessment, based on paragraph (1), of
13 United States regional goals and concerns that are
14 shared by Australia, New Zealand, and Japan, in-
15 cluding a review of issues related to anti-corruption
16 efforts, maritime and other security issues, environ-
17 mental protection, fisheries management, economic
18 growth and development, and disaster resilience and
19 preparedness.

20 (3) A review of ongoing programs and initia-
21 tives by the Governments of the United States, Aus-
22 tralia, New Zealand, and Japan in pursuit of shared
23 regional goals and concerns.

24 (4) A review of ongoing programs and initia-
25 tives by regional organizations and other related

1 intergovernmental structures aimed at addressing
2 shared regional goals and concerns.

3 (5) A plan for aligning United States programs
4 and resources in pursuit of shared regional goals
5 and concerns, as appropriate.

6 (6) Recommendations for additional United
7 States authorities, personnel, programs, or resources
8 necessary to execute the strategic roadmap.

9 (7) Any other elements the Secretary of State
10 considers appropriate.

11 **SEC. 30293. OCEANIA SECURITY DIALOGUE.**

12 (a) IN GENERAL.—Not later than one year after the
13 date of the enactment of this Act, the Secretary of State
14 shall brief the appropriate committees of Congress on the
15 feasibility and advisability of establishing a United States-
16 based public-private sponsored security dialogue (to be
17 known as the “Oceania Security Dialogue”) among the
18 countries of Oceania for the purposes of jointly exploring
19 and discussing issues affecting the economic, diplomatic,
20 and national security of the Indo-Pacific countries of Oce-
21 ania.

22 (b) REPORT REQUIRED.—The briefing required by
23 subsection (a) shall, at a minimum, include the following:

1 (1) A review of the ability of the Department
2 of State to participate in a public-private sponsored
3 security dialogue.

4 (2) An assessment of the potential locations for
5 conducting an Oceania Security Dialogue in the ju-
6 risdiction of the United States.

7 (3) Consideration of dates for conducting an
8 Oceania Security Dialogue that would maximize par-
9 ticipation of representatives from the Indo-Pacific
10 countries of Oceania.

11 (4) A review of the funding modalities available
12 to the Department of State to help finance an Oce-
13 ania Security Dialogue, including grant-making au-
14 thorities available to the Department of State.

15 (5) An assessment of any administrative, statu-
16 tory, or other legal limitations that would prevent
17 the establishment of an Oceania Security Dialogue
18 with participation and support of the Department of
19 State.

20 (6) An analysis of how an Oceania Security
21 Dialogue could help to advance the Boe Declaration
22 on Regional Security, including its emphasis on the
23 changing environment as the greatest existential
24 threat to countries of Oceania.

1 (7) An evaluation of how an Oceania Security
2 Dialogue could help amplify the issues and work of
3 existing regional structures and organizations dedi-
4 cated to the security of the Oceania region, such as
5 the Pacific Island Forum and Pacific Environmental
6 Security Forum.

7 (8) An analysis of how an Oceania Security
8 Dialogue would help with implementation of the
9 strategic roadmap required by section 30292 and
10 advance the National Security Strategy of the
11 United States.

12 (c) INTERAGENCY CONSULTATION.—To the extent
13 practicable, the Secretary of State may consult with the
14 Secretary of Defense and, where appropriate, evaluate the
15 lessons learned of the Regional Centers for Security Stud-
16 ies of the Department of Defense to determine the feasi-
17 bility and advisability of establishing the Oceania Security
18 Dialogue.

19 **SEC. 30294. OCEANIA PEACE CORPS PARTNERSHIPS.**

20 (a) IN GENERAL.—Not later than one year after the
21 date of the enactment of this Act, the Director of the
22 Peace Corps shall submit to the appropriate congressional
23 committees a report on strategies to reasonably and safely
24 expand the number of Peace Corps volunteers in Oceania,
25 with the goals of—

1 (1) expanding the presence of the Peace Corps
2 to all currently feasible locations in Oceania; and

3 (2) working with regional and international
4 partners of the United States to expand the presence
5 of Peace Corps volunteers in low-income Oceania
6 communities in support of climate resilience initia-
7 tives.

8 (b) ELEMENTS.—The report required by subsection
9 (a) shall—

10 (1) assess the factors contributing to the cur-
11 rent absence of the Peace Corps and its volunteers
12 in Oceania;

13 (2) examine potential remedies that include
14 working with United States Government agencies
15 and regional governments, including governments of
16 United States allies—

17 (A) to increase the health infrastructure
18 and medical evacuation capabilities of the coun-
19 tries of Oceania to better support the safety of
20 Peace Corps volunteers while in such countries;

21 (B) to address physical safety concerns
22 that have decreased the ability of the Peace
23 Corps to operate in Oceania; and

24 (C) to increase transportation infrastruc-
25 ture in the countries of Oceania to better sup-

1 port the travel of Peace Corps volunteers and
2 their access to necessary facilities;

3 (3) evaluate the potential to expand the deploy-
4 ment of Peace Corps Response volunteers to help the
5 countries of Oceania address social, economic, and
6 development needs of their communities that require
7 specific professional expertise; and

8 (4) explore potential new operational models to
9 address safety and security needs of Peace Corps
10 volunteers in the countries of Oceania, including—

11 (A) changes to volunteer deployment dura-
12 tions; and

13 (B) scheduled redeployment of volunteers
14 to regional or United States-based healthcare
15 facilities for routine physical and behavioral
16 health evaluation.

17 (c) VOLUNTEERS IN LOW-INCOME OCEANIA COMMU-
18 NITIES.—

19 (1) IN GENERAL.—In examining the potential
20 to expand the presence of Peace Corps volunteers in
21 low-income Oceania communities under subsection
22 (a)(2), the Director of the Peace Corps shall con-
23 sider the development of initiatives described in
24 paragraph (2).

1 (2) INITIATIVES DESCRIBED.—Initiatives de-
2 scribed in this paragraph are volunteer initiatives
3 that help the countries of Oceania address social,
4 economic, and development needs of their commu-
5 nities, including by—

6 (A) addressing, through appropriate resil-
7 ience-based interventions, the vulnerability that
8 communities in Oceania face as result of ex-
9 treme weather, severe environmental change,
10 and other climate related trends; and

11 (B) improving, through smart infrastruc-
12 ture principles, access to transportation and
13 connectivity infrastructure that will help ad-
14 dress the economic and social challenges that
15 communities in Oceania confront as a result of
16 poor or nonexistent infrastructure.

17 (d) OCEANIA DEFINED.—In this section, the term
18 “Oceania” includes the following:

- 19 (1) Easter Island of Chile.
- 20 (2) Fiji.
- 21 (3) French Polynesia of France.
- 22 (4) Kiribati.
- 23 (5) New Caledonia of France.
- 24 (6) Nieu of New Zealand.
- 25 (7) Papua New Guinea.

- 1 (8) Samoa.
- 2 (9) Vanuatu.
- 3 (10) The Ashmore and Cartier Islands of Aus-
4 tralia.
- 5 (11) The Cook Islands of New Zealand.
- 6 (12) The Coral Islands of Australia.
- 7 (13) The Federated States of Micronesia.
- 8 (14) The Norfolk Island of Australia.
- 9 (15) The Pitcairn Islands of the United King-
10 dom.
- 11 (16) The Republic of the Marshal Islands.
- 12 (17) The Republic of Palau.
- 13 (18) The Solomon Islands.
- 14 (19) Tokelau of New Zealand.
- 15 (20) Tonga.
- 16 (21) Tuvalu.
- 17 (22) Wallis and Futuna of France.

18 **PART 8—PACIFIC ISLANDS**

19 **SEC. 30295. SHORT TITLE.**

20 This part may be cited as the “Boosting Long-term
21 U.S. Engagement in the Pacific Act” or the “BLUE Pa-
22 cific Act”.

23 **SEC. 30296. FINDINGS.**

24 Congress finds the following:

- 25 (1) The Pacific Islands—

1 (A) are home to roughly 10 million resi-
2 dents, including over 8.6 million in Papua New
3 Guinea, constituting diverse and dynamic cul-
4 tures and peoples;

5 (B) are spread across an expanse of the
6 Pacific Ocean equivalent to 15 percent of the
7 Earth's surface, including the three sub-regions
8 of Melanesia, Micronesia, and Polynesia; and

9 (C) face shared challenges in development
10 that have distinct local contexts, including cli-
11 mate change and rising sea levels, geographic
12 distances from major markets, and vulnerability
13 to external shocks such as natural disasters.

14 (2) The United States is a Pacific country with
15 longstanding ties and shared values and interests
16 with the Pacific Islands, including through the Com-
17 pacts of Free Association with the Freely Associated
18 States, the Republic of the Marshall Islands, the
19 Federated States of Micronesia, and the Republic of
20 Palau.

21 (3) The United States has vital national secu-
22 rity interests in the Pacific Islands, including—

23 (A) protecting regional peace and security
24 that fully respects the sovereignty of all nations;

1 (B) advancing economic prosperity free
2 from coercion through sustainable development;
3 and

4 (C) supporting democracy, good govern-
5 ance, the rule of law, and human rights and
6 fundamental freedoms.

7 (4) Successive United States administrations
8 have recognized the importance of the Pacific region,
9 including the Pacific Islands, in high-level strategic
10 documents, including the following:

11 (A) The 2015 National Security Strategy,
12 which first declared the rebalance to Asia and
13 the Pacific, affirmed the United States as a Pa-
14 cific nation, and paved the way for subsequent
15 United States engagement with the Pacific Is-
16 lands, including several new policies focused on
17 conservation and resilience to climate change
18 announced in September 2016.

19 (B) The 2017 National Security Strategy,
20 which includes a commitment to “shore up
21 fragile partner states in the Pacific Islands re-
22 gion to reduce their vulnerability to economic
23 fluctuations and natural disasters”.

24 (C) The 2019 Indo-Pacific Strategy Re-
25 port, which identified the Pacific Islands as

1 “critical to U.S. strategy because of our shared
2 values, interests, and commitments” and com-
3 mitted the United States to “building capacity
4 and resilience to address maritime security; Ille-
5 gal, Unreported, and Unregulated fishing; drug
6 trafficking; and resilience to address climate
7 change and disaster response”.

8 (5) The United States has deepened its diplo-
9 matic engagement with the Pacific Islands through
10 several recent initiatives, including—

11 (A) the Pacific Pledge, which provided an
12 additional \$100,000,000 in 2019 and
13 \$200,000,000 in 2020, on top of the approxi-
14 mately \$350,000,000 that the United States
15 provides annually to the region to support
16 shared priorities in economic and human devel-
17 opment, climate change, and more; and

18 (B) the Small and Less Populous Island
19 Economies (SALPIE) Initiative launched in
20 March 2021 to strengthen United States col-
21 laboration with island countries and territories,
22 including in the Pacific Islands, on COVID-19
23 economic challenges, long-term economic devel-
24 opment, climate change, and other shared inter-
25 ests.

1 (6) The Boe Declaration on Regional Security,
2 signed by leaders of the Pacific Islands Forum in
3 2018, affirmed that climate change “remains the
4 single greatest threat to the livelihoods, security, and
5 wellbeing of the peoples of the Pacific” and asserted
6 “the sovereign right of every Member to conduct its
7 national affairs free of external interference and co-
8 ercion”.

9 (7) The Asian Development Bank has estimated
10 that the Pacific Islands region needs upwards of
11 \$2.8 billion a year in investment needs through
12 2030, in addition to \$300 million a year for climate
13 mitigation and adaptation over the same period.

14 (8) The Pacific Islands swiftly enacted effective
15 policies to prevent and contain the spread of the
16 Coronavirus Disease 2019 (commonly referred to as
17 “COVID–19”) pandemic to their populations. The
18 United States has provided over \$130,000,000 in as-
19 sistance to the Pacific Islands for their COVID–19
20 response. However, priorities must be met to ensure
21 continued success in preventing the spread of the
22 COVID–19 pandemic, achieving swift and wide-
23 spread vaccinations, and pursuing long-term eco-
24 nomic recovery in the Pacific Islands, including
25 through—

1 (A) expanding testing capacity and acqui-
2 sition of needed medical supplies, including avail-
3 able COVID–19 vaccines and supporting vac-
4 cination efforts, through a reliable supply chain;

5 (B) planning for lifting of lockdowns and
6 reopening of economic and social activities; and

7 (C) mitigating and recovering from the im-
8 pacts of the COVID–19 pandemic on the health
9 system and the reliance on food and energy im-
10 ports as well as lost tourism revenue and other
11 economic and food security damages caused by
12 the pandemic.

13 (9) Since 1966, thousands of Peace Corps vol-
14 unteers have proudly served in the Pacific Islands,
15 building strong people-to-people relationships and
16 demonstrating the United States commitment to
17 peace and development in the region. Prior to the
18 COVID–19 pandemic, the Peace Corps maintained
19 presence in four countries of the Pacific Islands.
20 Peace Corps volunteers continue to be in high de-
21 mand in the Pacific Islands and have been requested
22 across the region.

23 **SEC. 30297. STATEMENT OF POLICY.**

24 It is the policy of the United States—

1 (1) to develop and commit to a comprehensive,
2 multifaceted, and principled United States policy in
3 the Pacific Islands that—

4 (A) promotes peace, security, and pros-
5 perity for all countries through a rules-based
6 regional order that respects the sovereignty and
7 political independence of all nations;

8 (B) preserves the Pacific Ocean as an open
9 and vibrant corridor for international maritime
10 trade and sustainable development that sup-
11 ports inclusive economic growth and autonomy
12 for all nations and addresses socioeconomic
13 challenges related to public health, education,
14 renewable energy, digital connectivity, and
15 more;

16 (C) supports regional efforts to address the
17 challenges posed by climate change, including
18 by strengthening resilience to natural disasters
19 and through responsible stewardship of natural
20 resources;

21 (D) improves civil society, strengthens
22 democratic governance and the rule of law, and
23 promotes human rights and the preservation of
24 the region’s unique cultural heritages;

1 (E) assists the Pacific Islands in pre-
2 venting and containing the spread of the
3 COVID-19 pandemic and in pursuing long-
4 term economic recovery; and

5 (F) supports existing regional architecture
6 and international norms;

7 (2) to support the vision, values, and objectives
8 of existing regional multilateral institutions and
9 frameworks, such as the Pacific Islands Forum and
10 the Pacific Community, including—

11 (A) the 2014 Framework for Pacific Re-
12 gionalism;

13 (B) the 2018 Boe Declaration on Regional
14 Security; and

15 (C) the Boe Declaration Action Plan;

16 (3) to extend and renew the provisions of the
17 Compacts of Free Association and related United
18 States law that will expire in 2023 for the Republic
19 of the Marshall Islands and the Federated States of
20 Micronesia and in 2024 for the Republic of Palau
21 unless they are extended and renewed; and

22 (4) to work closely with United States allies
23 and partners with existing relationships and inter-
24 ests in the Pacific Islands, such as Australia, Japan,

1 New Zealand, and Taiwan, in advancing common
2 goals.

3 **SEC. 30298. DEFINITION.**

4 In this part, the terms “Pacific Islands” means the
5 Cook Islands, the Republic of Fiji, the Republic of
6 Kiribati, the Republic of the Marshall Islands, the Fed-
7 erated States of Micronesia, the Republic of Nauru, Niue,
8 the Republic of Palau, the Independent State of Papua
9 New Guinea, the Independent State of Samoa, the Sol-
10 omon Islands, the Kingdom of Tonga, Tuvalu, and the Re-
11 public of Vanuatu.

12 **SEC. 30299. AUTHORITY TO CONSOLIDATE REPORTS; FORM**
13 **OF REPORTS.**

14 (a) **AUTHORITY TO CONSOLIDATE REPORTS.**—Any
15 reports required to be submitted to the appropriate con-
16 gressional committees under this part that are subject to
17 deadlines for submission consisting of the same units of
18 time may be consolidated into a single report that is sub-
19 mitted to the appropriate congressional committees pursu-
20 ant to such deadlines and that contains all information
21 required under such reports.

22 (b) **FORM OF REPORTS.**—Each report required by
23 this part shall be submitted in unclassified form but may
24 contain a classified annex.

1 **SEC. 30299A. DIPLOMATIC PRESENCE IN THE PACIFIC IS-**
2 **LANDS.**

3 (a) SENSE OF CONGRESS.—It is the sense of Con-
4 gress that—

5 (1) the strategic importance of the Pacific Is-
6 lands necessitates an examination of whether United
7 States diplomatic, economic, and development en-
8 gagement and presence in the Pacific Islands region
9 is sufficient to effectively support United States ob-
10 jectives and meaningful participation in regional
11 fora;

12 (2) improving shared understanding of and
13 jointly combatting the transnational challenges perti-
14 nent to the Pacific Islands region with countries of
15 the Pacific Islands and regional partners such as
16 Australia, New Zealand, Japan, and Taiwan is vi-
17 tally important to our shared long-term interests of
18 stability, security, and prosperity;

19 (3) the United States should seek to participate
20 in and support efforts to coordinate a regional re-
21 sponse toward maritime security, including through
22 continued United States and Pacific Islands partici-
23 pation in the Pacific Fusion Centre in Vanuatu and
24 Information Fusion Centre in Singapore, and robust
25 cooperation with regional allies and partners; and

1 (4) the United States Government should com-
2 mit to sending appropriate levels of representation to
3 regional events.

4 (b) REPORT.—

5 (1) IN GENERAL.—Not later than 180 days
6 after the date of the enactment of this Act and an-
7 nually thereafter for five years, the Secretary of
8 State, in consultation with the Secretary of Com-
9 merce and the Administrator of the United States
10 Agency for International Development, shall submit
11 to the appropriate congressional committees a report
12 on the diplomatic and development presence of the
13 United States in the Pacific Islands.

14 (2) ELEMENTS.—The report required by para-
15 graph (1) shall include the following:

16 (A) A description of the Department of
17 State, United States Agency for International
18 Development, United States International De-
19 velopment Finance Corporation, Millennium
20 Challenge Corporation, and United States Com-
21 mercial Service presence, staffing, program-
22 ming, and resourcing of operations in the Pa-
23 cific Islands, including programming and
24 resourcing not specifically allocated to the Pa-
25 cific Islands.

1 (B) A description of gaps in such presence,
2 including unfilled full-time equivalent positions.

3 (C) A description of limitations and chal-
4 lenges such gaps pose to United States stra-
5 tegic objectives, including—

6 (i) gaps in support of the Pacific Is-
7 lands due to operations being conducted
8 from the United States Agency for Inter-
9 national Development offices in Manila and
10 Suva; and

11 (ii) gaps in programming and
12 resourcing.

13 (D) A strategy to expand and elevate such
14 presence to fill such gaps, including by estab-
15 lishing new missions, expanding participation in
16 regional forums, and elevating United States
17 representation in regional forums.

18 (e) AUTHORITY TO ENHANCE DIPLOMATIC AND ECO-
19 NOMIC ENGAGEMENT.—The Secretary of State and the
20 Secretary of Commerce are authorized to hire locally em-
21 ployed staff in the Pacific Islands for the purpose of pro-
22 moting increased diplomatic engagement and economic
23 and commercial engagement between the United States
24 and the Pacific Islands.

1 (d) REGIONAL DEVELOPMENT COOPERATION STRAT-
2 EGY.—Not later than 180 days after the date of the enact-
3 ment of this Act, and every five years thereafter, the Ad-
4 ministrator of the United States Agency for International
5 Development shall submit to the appropriate congressional
6 committees a regional development cooperation strategy
7 for the Pacific Islands.

8 **SEC. 30299B. COORDINATION WITH REGIONAL ALLIES AND**
9 **PARTNERS.**

10 (a) IN GENERAL.—The Secretary of State shall con-
11 sult and coordinate with regional allies and partners, such
12 as Australia, Japan, New Zealand, Taiwan, and regional
13 institutions such as the Pacific Islands Forum and the Pa-
14 cific Community, with respect to programs to provide as-
15 sistance to the Pacific Islands, including programs estab-
16 lished by this Act, including for purposes of—

17 (1) deconflicting programming;

18 (2) ensuring that any programming does not
19 adversely affect the absorptive capacity of the Pa-
20 cific Islands; and

21 (3) ensuring complementary programs benefit
22 the Pacific Islands to the maximum extent prac-
23 ticable.

24 (b) FORMAL CONSULTATIVE PROCESS.—The Sec-
25 retary of State shall establish a formal consultative proc-

1 ess with such regional allies and partners to coordinate
2 with respect to such programs and future-years program-
3 ming.

4 (c) REPORT.—Not later than 180 days after the date
5 of the enactment of this Act and annually thereafter, the
6 Secretary of State shall submit to the appropriate congres-
7 sional committees and the Armed Services Committees of
8 the Senate and the House of Representatives a report that
9 includes—

10 (1) a review of ongoing efforts, initiatives, and
11 programs undertaken by regional allies and part-
12 ners, including multilateral organizations, to advance
13 priorities identified in this Act;

14 (2) a review of ongoing efforts, initiatives, and
15 programs undertaken by non-allied foreign actors
16 that are viewed as being potentially harmful or in
17 any way detrimental to one or more countries of the
18 Pacific Islands;

19 (3) an assessment of United States programs in
20 the Pacific Islands and their alignment and
21 complementarity with the efforts of regional allies
22 and partners identified in paragraph (1); and

23 (4) a review of the formal consultative process
24 required in subsection (b) to summarize engage-

1 ments held and identify opportunities to improve co-
2 ordination with regional allies and partners.

3 **SEC. 30299C. CLIMATE RESILIENT DEVELOPMENT IN THE**
4 **PACIFIC ISLANDS.**

5 (a) SENSE OF CONGRESS.—It is the sense of Con-
6 gress that—

7 (1) the United States Government should lever-
8 age the full range of authorities and programs avail-
9 able to assist the Pacific Islands in achieving their
10 development goals;

11 (2) United States development assistance
12 should seek to build on existing public and private
13 sector investments while creating new opportunities
14 toward a favorable environment for additional such
15 investments; and

16 (3) United States development efforts should be
17 coordinated with and seek to build on existing ef-
18 forts by like-minded partners and allies and regional
19 and international multilateral organizations.

20 (b) STRATEGY.—The Secretary of State, in coordina-
21 tion with the Administrator of the United States Agency
22 for International Development, the Secretary of the Treas-
23 ury, and the Chief Executive Officer of the United States
24 International Development Finance Corporation, shall de-
25 velop and implement a strategy to—

1 (1) invest in and improve critical infrastructure,
2 including transport connectivity, information and
3 communications technology, food security, coastal
4 zone management, marine and water resource man-
5 agement, and energy security and access to elec-
6 tricity in the Pacific Islands, with an emphasis on
7 climate resiliency and sustainable development;

8 (2) provide technical assistance to assist local
9 government and civil society leaders assess risks to
10 local infrastructure, especially those posed by climate
11 change, consider and implement risk mitigation ef-
12 forts and policies to strengthen resilience, and evalu-
13 ate proposed projects and solutions for their efficacy
14 and sustainability; and

15 (3) support investment and improvement in eco-
16 system conservation and protection for the long-term
17 sustainable use of ecosystem services, especially
18 those that mitigate effects of climate change and
19 those that support food security and livelihoods.

20 (c) CONDUCT OF STRATEGY.—The strategy devel-
21 oped under this section shall be coordinated with like-
22 minded partners and allies, regional and international
23 multilateral organizations, and regional frameworks for
24 development in the Pacific Islands.

1 (d) INTERNATIONAL FINANCIAL INSTITUTIONS.—

2 The Secretary of the Treasury shall direct the representa-
3 tives of the United States to the World Bank Group, the
4 International Monetary Fund, and the Asian Development
5 Bank to use the voice and vote of the United States to
6 support climate resilient infrastructure projects in the Pa-
7 cific Islands.

8 (e) REPORT.—

9 (1) IN GENERAL.—Not later than 180 days
10 after the date of the enactment this Act and annu-
11 ally thereafter, the Secretary of State shall submit
12 to the appropriate congressional committees, the
13 Committee on Natural Resources of the House of
14 Representatives, and the Committee on Energy and
15 Natural Resources of the Senate a report on foreign
16 infrastructure developments in the Pacific Islands.

17 (2) MATTERS TO BE INCLUDED.—The report
18 required by paragraph (1) shall include—

19 (A) a review of foreign infrastructure de-
20 velopments in the Pacific Islands by non-United
21 States allies and partners;

22 (B) assessments of the environmental im-
23 pact and sustainability of such developments;
24 and

1 (C) an analysis of the financial sustain-
2 ability of such developments and their impacts
3 on the debt of host countries in the Pacific Is-
4 lands.

5 (f) AUTHORIZATION OF APPROPRIATIONS.—There
6 are authorized to be appropriated \$50,000,000 for each
7 of the fiscal years 2022 through 2026 to carry out this
8 section.

9 **SEC. 30299D. INTERNATIONAL LAW ENFORCEMENT ACAD-**
10 **EMY FOR THE PACIFIC ISLANDS.**

11 (a) IN GENERAL.—The Secretary of State shall de-
12 velop and implement a plan to expand coverage of the
13 International Law Enforcement Academies (ILEA) pro-
14 gram for the Pacific Islands, including by—

15 (1) expanding coverage of the regional program
16 located in Bangkok, Thailand, to the Pacific Islands;
17 or

18 (2) establishing a new regional program for the
19 Pacific Islands.

20 (b) MATTERS TO BE INCLUDED.—The plan required
21 by subsection (a) shall include consultation and coordina-
22 tion with existing regional law enforcement entities, in-
23 cluding the Pacific Islands Chiefs of Police and civil soci-
24 ety, including those focused on human rights and special-
25 izing in victim-centered approaches, and take into consid-

1 eration costs of implementation, effectiveness, and capac-
2 ity of the Pacific Islands to participate in the ILEA pro-
3 gram.

4 (c) BRIEFING REQUIRED.—Not later than 180 days
5 after the date of the enactment of this Act, the Secretary
6 of State shall provide the appropriate congressional com-
7 mittees a briefing on the plan developed under this section.

8 **SEC. 30299E. SECURITY ASSISTANCE FOR THE PACIFIC IS-**
9 **LANDS.**

10 (a) STRATEGY.—

11 (1) IN GENERAL.—The Secretary of State, with
12 the concurrence of the Secretary of Defense and in
13 coordination with the Secretary of Homeland Secu-
14 rity, shall develop and implement a comprehensive
15 strategy to provide assistance to and build the ca-
16 pacity of local civilian and national security institu-
17 tions of the Pacific Islands for purposes of—

18 (A) enhancing maritime security and mari-
19 time domain awareness to address challenges
20 such as illegal, unreported, and unregulated
21 fishing;

22 (B) assisting local law enforcement in de-
23 tecting, preventing, and combatting human and
24 drug trafficking and other forms of
25 transnational crime;

1 (C) participating in efforts by regional in-
2 stitutions and frameworks to coordinate and fa-
3 cilitate cooperation on shared security chal-
4 lenges; and

5 (D) expanding information sharing and to
6 work toward operational coordination and inter-
7 operability among Pacific Island maritime secu-
8 rity forces, including through regional fusion
9 centers.

10 (2) PROGRAMS AND AUTHORITIES DE-
11 SCRIBED.—The strategy required by this subsection
12 shall build on but not be limited to the following
13 programs and authorities:

14 (A) The International Military Education
15 and Training program.

16 (B) The Foreign Military Financing pro-
17 gram.

18 (C) The authority to build the capacity of
19 foreign security forces under section 333 of title
20 10, United States Code.

21 (D) The authority to provide excess de-
22 fense articles under section 516 of the Foreign
23 Assistance Act of 1961 (22 U.S.C. 2321j).

24 (E) The Department of Defense State
25 Partnership Program.

1 (3) NATIONAL POLICE FORCES AND COAST
2 GUARDS.—The national police forces and coast
3 guards of the Pacific Islands are eligible to receive
4 assistance under the programs and authorities de-
5 scribed in paragraph (2) (other than the programs
6 and authorities described in subparagraphs (A), (D),
7 and (F) of paragraph (2)) for purposes of the strat-
8 egy required by this subsection.

9 (b) MATTERS TO BE INCLUDED.—The strategy re-
10 quired by subsection (a) shall seek to preserve peace and
11 regional stability in the Pacific Islands and take into con-
12 sideration and seek to build upon but not duplicate exist-
13 ing assistance provided by United States allies and part-
14 ners.

15 (c) REPORT.—

16 (1) IN GENERAL.—Not later than 180 days
17 after the date of the enactment of this Act, the Sec-
18 retary shall submit to the appropriate congressional
19 committees a report that contains the strategy devel-
20 oped under this section.

21 (2) MATTERS TO BE INCLUDED.—The report
22 required by paragraph (1) shall include—

23 (A) an assessment of security challenges to
24 the Pacific Islands;

1 (B) an analysis of demonstrated needs of
2 the Pacific Islands for assistance;

3 (C) a review of existing security assistance
4 programs in the Pacific Islands, including pro-
5 grams and efforts provided by United States al-
6 lies and partners;

7 (D) a plan for programs for training,
8 equipping, and sustainment, including excess
9 defense equipment and related materials;

10 (E) a list of militaries, national police
11 forces, coast guards, and other national security
12 forces of the Pacific Islands receiving assistance
13 under the strategy;

14 (F) a review of existing cross-border mari-
15 time law enforcement operations (commonly
16 known as “shiprider agreements”) with the Pa-
17 cific Islands, an assessment of additional
18 resourcing needs to enhance operational capac-
19 ity, and a plan to improve on these programs
20 and operations;

21 (G) a review of existing Department of De-
22 fense State Partnership Programs with the Pa-
23 cific Islands and an assessment of additional
24 opportunities to leverage Department of De-
25 fense State Partnership Programs to address

1 national security, law enforcement, disaster re-
2 lief and emergency management, and related
3 priorities;

4 (H) a review of current efforts and
5 progress in removing unexploded ordnance in
6 the Pacific Islands and an assessment of addi-
7 tional resourcing needed to ensure continued
8 progress, including to support coordination with
9 regional efforts and those of United States al-
10 lies and partners;

11 (I) a review of existing regional fusion cen-
12 ters and other cooperative intelligence sharing
13 efforts in the Pacific Islands to address mari-
14 time security, transnational crime, natural dis-
15 asters, and other security challenges and an as-
16 sessment of opportunities for the United States
17 to participate in such efforts, including by allo-
18 cating staff and supplying resourcing;

19 (J) measures to evaluate success for the
20 strategy; and

21 (K) a detailed assessment of appropria-
22 tions required to achieve the objectives for the
23 strategy in future years.

1 (3) APPROPRIATE CONGRESSIONAL COMMIT-
2 TEES DEFINED.—In this subsection, the term “ap-
3 propriate congressional committees” means—

4 (A) the Committee on Foreign Affairs, the
5 Committee on Armed Services, and the Com-
6 mittee on Transportation and Infrastructure of
7 the House of Representatives; and

8 (B) the Committee on Foreign Relations,
9 the Committee on Armed Services, and the
10 Committee on Commerce, Science, and Trans-
11 portation of the Senate.

12 **SEC. 30299F. COUNTERING TRANSNATIONAL CRIME.**

13 (a) RATIFICATION OF INTERNATIONAL LEGAL IN-
14 STRUMENTS.—

15 (1) IN GENERAL.—The Secretary of State shall
16 prioritize efforts to assist the Pacific Islands in rati-
17 fying and implementing international legal conven-
18 tions related to transnational crime, such as—

19 (A) the Convention on International Trade
20 in Endangered Species of Wildlife Fauna and
21 Flora;

22 (B) the Agreement on Port State Meas-
23 ures; and

1 (C) relevant protocols supplementing the
2 United Nations Convention Against
3 Transnational Organized Crime, such as—

4 (i) the Protocol to Prevent, Suppress,
5 and Punish Trafficking in Person, Espe-
6 cially Women and Children; and

7 (ii) the Protocol Against the Smug-
8 gling of Migrants by Land, Sea, and Air.

9 (2) BIENNIAL REPORT.—Not later than 180
10 days after the date of the enactment of this Act and
11 every two years thereafter as appropriate, the Sec-
12 retary of State shall submit to the appropriate con-
13 gressional committees a report on—

14 (A) the status of the progress of each
15 country of the Pacific Islands toward ratifying
16 and implementing international legal conven-
17 tions related to transnational crime; and

18 (B) United States plans for assisting those
19 countries that have yet to fully ratify such con-
20 ventions with their respective ratification ef-
21 forts.

22 (b) UPDATES OF CERTAIN REPORTS.—The Secretary
23 of State, in coordination with other Federal agencies as
24 appropriate, shall identify and update existing reports to

1 include forms of transnational crime affecting the Pacific
2 Islands, such as—

3 (1) the International Narcotics Control Strat-
4 egy report;

5 (2) the Improving International Fisheries Man-
6 agement report; and

7 (3) the Trafficking in Persons report.

8 (c) ILLEGAL LOGGING AND ASSOCIATED TRADE.—

9 (1) IN GENERAL.—Not later than 180 days
10 after the date of the enactment of this Act and an-
11 nually thereafter, the Secretary of State, in coordi-
12 nation with the heads of relevant Federal agencies,
13 shall submit to appropriate congressional committees
14 a report that identifies countries of the Pacific Is-
15 lands that are countries of concern with respect to
16 illegal logging and associated trade.

17 (2) ELEMENTS.—The report required by para-
18 graph (1) shall include the following:

19 (A) A description of the impact illegal log-
20 ging and associated trade have had on local
21 communities, good governance, and biodiversity,
22 including an identification of those foreign
23 countries that may be financing or in any other
24 manner supporting illegal logging activities.

1 (B) A description of efforts taken by coun-
2 tries identified under paragraph (1) to comply
3 and take appropriate corrective action to miti-
4 gate illegal logging, and an evaluation of the
5 progress of those efforts.

6 (C) A description of steps taken by the
7 heads of relevant Federal agencies to assist the
8 Pacific Islands in adopting and implementing
9 international measures comparable to those of
10 the United States, such as the Lacey Act, to re-
11 duce impacts of illicit logging.

12 (3) APPROPRIATE CONGRESSIONAL COMMIT-
13 TEES DEFINED.—In this subsection, the term “ap-
14 propriate congressional committees” means—

15 (A) the Committee on Foreign Affairs and
16 the Committee on Ways and Means of the
17 House of Representatives; and

18 (B) the Committee on Foreign Relations
19 and the Committee on Finance of the Senate.

20 (d) ILLEGAL, UNREPORTED, AND UNREGULATED
21 FISHING.—Section 3553 of the National Defense Author-
22 ization Act for Fiscal Year 2020 (16 U.S.C. 8033) is
23 amended—

24 (1) in paragraph (7), by striking “and” at the
25 end;

1 (2) by redesignating paragraph (8) as para-
2 graph (9); and

3 (3) by inserting after paragraph (7) (as amend-
4 ed) the following:

5 “(8) an assessment of gaps or limitations in the
6 ability of the United States to effectively assist pri-
7 ority regions and priority flag states relating to IUU
8 fishing due to resource constraints and the addi-
9 tional resources necessary to overcome those con-
10 straints; and”.

11 **SEC. 30299G. EMERGENCY PREPAREDNESS INITIATIVE FOR**
12 **THE PACIFIC ISLANDS.**

13 (a) IN GENERAL.—The Administrator of the United
14 States Agency for International Development shall develop
15 and implement an initiative to assist the Pacific Islands
16 in enhancing their preparedness for and resilience to nat-
17 ural disasters and other emergencies.

18 (b) CONDUCT OF PROGRAM.—The program devel-
19 oped under this section shall include—

20 (1) education and training programs on natural
21 disaster prevention and preparedness for emergency
22 management professionals in the Pacific Islands, in-
23 cluding by leveraging the expertise of nonprofit orga-
24 nizations and institutions of higher education in the
25 United States;

1 (2) technical assistance, including through
2 grants and cooperative agreements for qualified
3 United States and local nongovernmental organiza-
4 tions, to enhance early warning systems, emergency
5 management and preparedness procedures, and post-
6 disaster relief and recovery; and

7 (3) coordination of existing disaster mitigation
8 and response plans in the region, including by
9 United States allies and partners in the region.

10 (c) REPORT.—

11 (1) IN GENERAL.—Not later than one year
12 after the date of the enactment of this Act, the Ad-
13 ministrators shall submit to the appropriate congress-
14 sional committees a report on the program developed
15 under this section.

16 (2) MATTERS TO BE INCLUDED.—The report
17 required by paragraph (1) shall include—

18 (A) an assessment of disaster risks in the
19 Pacific Islands and existing local and regional
20 capacity to respond to such risks;

21 (B) a review of existing efforts by United
22 States allies and partners to provide assistance
23 and training for natural disaster preparedness
24 and emergency management; and

1 (C) objectives, means of implementation,
2 and measures of success for the initiative.

3 (3) APPROPRIATE CONGRESSIONAL COMMIT-
4 TEES DEFINED.—In this subsection, the term “ap-
5 propriate congressional committees” means—

6 (A) the Committee on Foreign Affairs and
7 the Committee on Natural Resources of the
8 House of Representatives; and

9 (B) the Committee on Foreign Relations
10 and the Committee on Energy and Natural Re-
11 sources of the Senate.

12 (d) AUTHORIZATION OF APPROPRIATIONS.—There
13 are authorized to be appropriated \$40,000,000 for each
14 of the fiscal years 2022 through 2026 to carry out this
15 section.

16 **SEC. 30299H. PEACE CORPS IN THE PACIFIC ISLANDS.**

17 (a) SENSE OF CONGRESS.—It is the sense of Con-
18 gress that—

19 (1) the presence of the Peace Corps in the Pa-
20 cific Islands should be expanded and the Peace
21 Corps should reopen its programs in as many of the
22 Pacific Islands as possible, including where it has
23 previously operated but has suspended operations;

24 (2) consulting like-minded regional allies and
25 partners, such as Australia, New Zealand, Japan,

1 and Taiwan is crucial for identifying and overcoming
2 challenges for increased Peace Corps presence in the
3 Pacific Islands;

4 (3) the Peace Corps, whose mission is to pro-
5 mote world peace and friendship in part by helping
6 the people of interested countries in meeting their
7 need for trained men and women, provides an in-
8 valuable opportunity to connect the American people
9 with the people of the Republic of the Marshall Is-
10 lands, the Federated States of Micronesia, and the
11 Republic of Palau; and

12 (4) the Peace Corps should promptly reopen its
13 programs in the Republic of the Marshall Islands,
14 the Federated States of Micronesia, and the Repub-
15 lic of Palau.

16 (b) REPORT.—Not later than 180 days after the date
17 of the enactment of this Act, the Director of the Peace
18 Corps shall submit to the appropriate congressional com-
19 mittees a report that includes—

20 (1) a comparative analysis of the Peace Corps
21 presence in the Pacific Islands region to other re-
22 gions of the world, including a cost-benefit analysis
23 of placement in the region versus elsewhere globally;

24 (2) analysis of current impediments to Peace
25 Corps expansion in the Pacific Islands region;

1 (3) outcomes of consultations among United
2 States agencies, and with regional allies and part-
3 ners, on areas in which cooperation can reduce fac-
4 tors limiting Peace Corps expansion, particularly
5 those related to medical transportation and personal
6 safety; and

7 (4) a plan and timeline for implementing out-
8 comes identified in paragraph (3) to facilitate expan-
9 sion of Peace Corps presence in the region, where
10 appropriate.

11 **TITLE III—INVESTING IN OUR**
12 **VALUES**

13 **SEC. 30301. SENSE OF CONGRESS ON THE CONTINUED VIO-**
14 **LATION OF RIGHTS AND FREEDOMS OF THE**
15 **PEOPLE OF HONG KONG.**

16 (a) FINDINGS.—Congress finds the following:

17 (1) Despite international condemnation, the
18 Government of the People’s Republic of China
19 (“PRC”) continues to disregard its international
20 legal obligations under the Joint Declaration of the
21 Government of the United Kingdom of Great Britain
22 and Northern Ireland and the Government of the
23 People’s Republic of China on the Question of Hong
24 Kong (“Joint Declaration”), in which the PRC com-
25 mitted that—

1 (A) Hong Kong would enjoy a high degree
2 of autonomy;

3 (B) for at least 50 years the “social and
4 economic systems in Hong Kong” would remain
5 unchanged; and

6 (C) the personal rights and freedoms of
7 the people of Hong Kong would be protected by
8 law.

9 (2) As part of its continued efforts to under-
10 mine the established rights of the Hong Kong peo-
11 ple, the PRC National People’s Congress Standing
12 Committee (“Standing Committee”) passed and im-
13 posed upon Hong Kong oppressive and intentionally
14 vague national security legislation on June 30, 2020,
15 that grants Beijing sweeping powers to punish acts
16 of “separating the country, subverting state power,
17 and organizing terroristic activities”.

18 (3) The legislative process by which the Stand-
19 ing Committee imposed the national security law on
20 Hong Kong bypassed Hong Kong’s local government
21 in a potential violation of the Basic Law of the
22 Hong Kong Special Administrative Region of the
23 People’s Republic of China (“Basic Law”), and in-
24 volved unusual secrecy, as demonstrated by the fact
25 that the legislation was only the second law since

1 2008 that the Standing Committee has passed with-
2 out releasing a draft for public comment.

3 (4) On July 30, 2020, election officials of the
4 Hong Kong Special Administrative Region
5 (HKSAR) disqualified twelve pro-democracy can-
6 didates from participating in the September 6 Legis-
7 lative Council elections, which were subsequently
8 postponed for a year until September 5, 2021, by
9 citing the public health risk of holding elections dur-
10 ing the COVID-19 pandemic.

11 (5) On July 31, 2020, in an attempt to assert
12 extraterritorial jurisdiction, the HKSAR Govern-
13 ment announced indictments of and arrest warrants
14 for six Hong Kong activists living overseas, includ-
15 ing United States citizen Samuel Chu, for alleged
16 violations of the national security law.

17 (6) On November 11, 2020, the HKSAR Gov-
18 ernment removed four lawmakers from office for al-
19 legedly violating the law after the Standing Com-
20 mittee passed additional legislation barring those
21 who promoted or supported Hong Kong independ-
22 ence and refused to acknowledge PRC sovereignty
23 over Hong Kong, or otherwise violates the national
24 security law, from running for or serving in the Leg-
25 islative Council.

1 (7) On December 2, 2020, pro-democracy activ-
2 ists Joshua Wong, Agnes Chow, and Ivan Lam were
3 sentenced to prison for participating in 2019 pro-
4 tests.

5 (8) Ten of the twelve Hong Kong residents
6 (also known as “the Hong Kong 12”) who sought to
7 flee by boat from Hong Kong to Taiwan on August
8 23, 2020, were taken to mainland China and sen-
9 tenced on December 30, 2020, to prison terms rang-
10 ing from seven months to three years for illegal bor-
11 der crossing.

12 (9) On December 31, 2020, Hong Kong’s high-
13 est court revoked bail for Jimmy Lai Chee-Ying, a
14 pro-democracy figure and publisher, who was
15 charged on December 12 with colluding with foreign
16 forces and endangering national security under the
17 national security legislation.

18 (10) On January 4, 2021, the Departments of
19 Justice in Henan and Sichuan province threatened
20 to revoke the licenses of two lawyers hired to help
21 the Hong Kong 12.

22 (11) On January 5, 2021, the Hong Kong Po-
23 lice Force arrested more than fifty opposition fig-
24 ures, including pro-democracy officials, activists, and
25 an American lawyer, for their involvement in an in-

1 formal July 2020 primary to select candidates for
2 the general election originally scheduled for Sep-
3 tember 2020, despite other political parties having
4 held similar primaries without retribution.

5 (12) On April 22, 2021, a Hong Kong court
6 convicted Choy Yuk-ling, a video producer with
7 Radio Television Hong Kong, in relation to her in-
8 vestigative reporting on the Hong Kong police.

9 (13) On June 24, 2021, Apple Daily, Hong
10 Kong’s only surviving pro-democracy newspaper,
11 published its final edition following months of intimi-
12 dation and repression by the HKSAR Government,
13 including through the arrest of its senior editors, po-
14 lice raids on its offices, and the freezing of its finan-
15 cial assets.

16 (b) STATEMENT OF CONGRESS.—Congress—

17 (1) condemns the actions taken by the Govern-
18 ment of the People’s Republic of China (“PRC”)
19 and the Government of the Hong Kong Special Ad-
20 ministrative Region (“HKSAR”), including the
21 adoption and implementation of national security
22 legislation for Hong Kong through irregular proce-
23 dures, that violate the rights and freedoms of the
24 people of Hong Kong that are guaranteed by the

1 Joint Declaration and its implementing document,
2 the Basic Law;

3 (2) reaffirms its support for the people of Hong
4 Kong, who face grave threats to their rights and
5 freedoms;

6 (3) calls on the Governments of the PRC and
7 HKSAR to—

8 (A) respect and uphold—

9 (i) commitments made to the inter-
10 national community and the people of
11 Hong Kong under the Joint Declaration;
12 and

13 (ii) the judicial independence of the
14 Hong Kong legal system; and

15 (B) release pro-democracy activists and
16 politicians arrested under the national security
17 law; and

18 (4) encourages the President, the Secretary of
19 State, and the Secretary of the Treasury to coordi-
20 nate with allies and partners and continue United
21 States efforts to respond to developments in Hong
22 Kong, including by—

23 (A) providing protection for Hong Kong
24 residents who fear persecution;

1 (B) supporting those who may seek to file
2 a case before the International Court of Justice
3 to hold the Government of the PRC accountable
4 for violating its binding legal commitments
5 under the Joint Declaration;

6 (C) encouraging allies and partner coun-
7 tries to instruct, as appropriate, their respective
8 representatives to the United Nations to use
9 their voice, vote, and influence to press for the
10 appointment of a United Nations special man-
11 date holder to monitor and report on human
12 rights developments in Hong Kong;

13 (D) ensuring the private sector, particu-
14 larly United States companies with economic in-
15 terests in Hong Kong, is aware of risks the na-
16 tional security legislation poses to the security
17 of United States citizens and to the medium
18 and long-term interest of United States busi-
19 nesses in Hong Kong;

20 (E) continuing to implement sanctions au-
21 thorities, especially authorities recently enacted
22 to address actions undermining the rights and
23 freedoms of the Hong Kong people, such as the
24 Hong Kong Autonomy Act (Public Law 116–
25 149) and the Hong Kong Human Rights and

1 Democracy Act of 2019 (Public Law 116–76),
2 with respect to officials of the Chinese Com-
3 munist Party, the Government of the PRC, or
4 the Government of the HKSAR who are respon-
5 sible for undermining such rights and freedoms;
6 and

7 (F) coordinating with allies and partners
8 to ensure that such implementation of sanctions
9 is multilateral.

10 **SEC. 30302. AUTHORIZATION OF APPROPRIATIONS FOR**
11 **PROMOTION OF DEMOCRACY IN HONG KONG.**

12 (a) AUTHORIZATION OF APPROPRIATIONS.—There is
13 authorized to be appropriated \$10,000,000 for fiscal year
14 2022 for the Bureau of Democracy, Human Rights, and
15 Labor of the Department of State to promote democracy
16 in Hong Kong.

17 (b) ADMINISTRATION.—The Secretary of State shall
18 designate an office with the Department of State to ad-
19 minister and coordinate the provision of such funds de-
20 scribed in subsection (a) within the Department of State
21 and across the United States Government.

22 **SEC. 30303. HONG KONG PEOPLE’S FREEDOM AND CHOICE.**

23 (a) DEFINITIONS.—For purposes of this section:

24 (1) JOINT DECLARATION.—The term “Joint
25 Declaration” means the Joint Declaration of the

1 Government of the United Kingdom of Great Britain
2 and Northern Ireland and the Government of the
3 People's Republic of China on the Question of Hong
4 Kong, signed on December 19, 1984, and entered
5 into force on May 27, 1985.

6 (2) PRIORITY HONG KONG RESIDENT.—The
7 term “Priority Hong Kong resident” means—

8 (A) a permanent resident of Hong Kong
9 who—

10 (i) holds no right to citizenship in any
11 country or jurisdiction other than the Peo-
12 ple's Republic of China (referred to in this
13 section as the “PRC”), Hong Kong, or
14 Macau as of the date of enactment of this
15 Act;

16 (ii) has resided in Hong Kong for not
17 less than the last ten years as of the date
18 of enactment of this Act; and

19 (iii) has been designated by the Sec-
20 retary of State or Secretary of Homeland
21 Security as having met the requirements of
22 this subparagraph, in accordance with the
23 procedures described in subsection (f) of
24 this section; or

1 (B) the spouse of a person described in
2 subparagraph (A), or the child of such person
3 as such term is defined in section 101(b)(1) of
4 the Immigration and Nationality Act (8 U.S.C.
5 1101(b)(1)), except that a child shall be an un-
6 married person under twenty-seven years of
7 age.

8 (3) HONG KONG NATIONAL SECURITY LAW.—
9 The term “Hong Kong National Security Law”
10 means the Law of the People’s Republic of China on
11 Safeguarding National Security in the Hong Kong
12 Special Administrative Region that was passed
13 unanimously by the National People’s Congress and
14 signed by President Xi Jinping on June 30, 2020,
15 and promulgated in the Hong Kong Special Admin-
16 istrative Region (referred to in this section as
17 “Hong Kong SAR”) on July 1, 2020.

18 (4) APPROPRIATE CONGRESSIONAL COMMIT-
19 TEES.—The term “appropriate congressional com-
20 mittees” means—

21 (A) the Committee on Foreign Affairs and
22 the Committee on the Judiciary of the House of
23 Representatives; and

1 (B) the Committee on Foreign Relations
2 and the Committee on the Judiciary of the Sen-
3 ate.

4 (b) FINDINGS.—Congress finds the following:

5 (1) The Hong Kong National Security Law pro-
6 mulgated on July 1, 2020—

7 (A) contravenes the Basic Law of the
8 Hong Kong Special Administrative Region (re-
9 ferred to in this Act as “the Basic Law”) that
10 provides in Article 23 that the Legislative
11 Council of Hong Kong shall enact legislation re-
12 lated to national security;

13 (B) violates the PRC’s commitments under
14 international law, as defined by the Joint Dec-
15 laration; and

16 (C) causes severe and irreparable damage
17 to the “one country, two systems” principle and
18 further erodes global confidence in the PRC’s
19 commitment to international law.

20 (2) On July 14, 2020, in response to the pro-
21 mulgation of the Hong Kong National Security Law,
22 President Trump signed an Executive order on
23 Hong Kong normalization that, among other policy
24 actions, suspended the special treatment of Hong

1 Kong persons under U.S. law with respect to the
2 issuance of immigrant and nonimmigrant visas.

3 (3) The United States has a long and proud
4 history as a destination for refugees and asylees flee-
5 ing persecution based on race, religion, nationality,
6 political opinion, or membership in a particular so-
7 cial group.

8 (4) The United States also shares deep social,
9 cultural, and economic ties with the people of Hong
10 Kong, including a shared commitment to democracy,
11 to the rule of law, and to the protection of human
12 rights.

13 (5) The United States has sheltered, protected,
14 and welcomed individuals who have fled authori-
15 tarian regimes, including citizens from the PRC fol-
16 lowing the violent June 4, 1989, crackdown in
17 Tiananmen Square, deepening ties between the peo-
18 ple of the United States and those individuals seek-
19 ing to contribute to a free, open society founded on
20 democracy, human rights, and the respect for the
21 rule of law.

22 (6) The United States has reaped enormous
23 economic, cultural, and strategic benefits from wel-
24 coming successive generations of scientists, doctors,
25 entrepreneurs, artists, intellectuals, and other free-

1 dom-loving people fleeing fascism, communism, vio-
2 lent Islamist extremism, and other repressive
3 ideologies, including in the cases of Nazi Germany,
4 the Soviet Union, and Soviet-controlled Central Eu-
5 rope, Cuba, Vietnam, and Iran.

6 (7) A major asymmetric advantage of the
7 United States in its long-term strategic competition
8 with the Communist Party of China is the ability of
9 people from every country in the world, irrespective
10 of their race, ethnicity, or religion, to immigrate to
11 the United States and become American citizens.

12 (c) STATEMENT OF POLICY.—It is the policy of the
13 United States—

14 (1) to reaffirm the principles and objectives set
15 forth in the United States-Hong Kong Policy Act of
16 1992 (Public Law 102–383), specifically that—

17 (A) the United States has “a strong inter-
18 est in the continued vitality, prosperity, and
19 stability of Hong Kong”;

20 (B) “support for democratization is a fun-
21 damental principle of United States foreign pol-
22 icy”, and therefore “naturally applies to United
23 States policy toward Hong Kong”;

24 (C) “the human rights of the people of
25 Hong Kong are of great importance to the

1 United States and are directly relevant to
2 United States interests in Hong Kong and
3 serve as a basis for Hong Kong’s continued eco-
4 nomic prosperity”; and

5 (D) Hong Kong must remain sufficiently
6 autonomous from the PRC to “justify treat-
7 ment under a particular law of the United
8 States, or any provision thereof, different from
9 that accorded the People’s Republic of China”;
10 (2) to continue to support the high degree of
11 autonomy and fundamental rights and freedoms of
12 the people of Hong Kong, as enumerated by—

13 (A) the Joint Declaration;

14 (B) the International Covenant on Civil
15 and Political Rights, done at New York, De-
16 cember 19, 1966; and

17 (C) the Universal Declaration of Human
18 Rights, done at Paris, December 10, 1948;

19 (3) to continue to support the democratic aspi-
20 rations of the people of Hong Kong, including the
21 “ultimate aim” of the selection of the Chief Execu-
22 tive and all members of the Legislative Council by
23 universal suffrage, as articulated in the Basic Law;

24 (4) to urge the Government of the PRC, despite
25 its recent actions, to uphold its commitments to

1 Hong Kong, including allowing the people of Hong
2 Kong to govern Hong Kong with a high degree of
3 autonomy and without undue interference, and en-
4 suring that Hong Kong voters freely enjoy the right
5 to elect the Chief Executive and all members of the
6 Hong Kong Legislative Council by universal suf-
7 frage;

8 (5) to support the establishment of a genuine
9 democratic option to freely and fairly nominate and
10 elect the Chief Executive of Hong Kong, and the es-
11 tablishment of open and direct democratic elections
12 for all members of the Hong Kong Legislative Coun-
13 cil;

14 (6) to support the robust exercise by residents
15 of Hong Kong of the rights to free speech, the press,
16 and other fundamental freedoms, as provided by the
17 Basic Law, the Joint Declaration, and the Inter-
18 national Covenant on Civil and Political Rights;

19 (7) to support freedom from arbitrary or unlaw-
20 ful arrest, detention, or imprisonment for all Hong
21 Kong residents, as provided by the Basic Law, the
22 Joint Declaration, and the International Covenant
23 on Civil and Political Rights;

24 (8) to draw international attention to any viola-
25 tions by the Government of the PRC of the funda-

1 mental rights of the people of Hong Kong, as pro-
2 vided by the International Covenant on Civil and Po-
3 litical Rights, and any encroachment upon the au-
4 tonomy guaranteed to Hong Kong by the Basic Law
5 and the Joint Declaration;

6 (9) to protect United States citizens and long-
7 term permanent residents living in Hong Kong, as
8 well as people visiting and transiting through Hong
9 Kong;

10 (10) to maintain the economic and cultural ties
11 that provide significant benefits to both the United
12 States and Hong Kong, including the reinstatement
13 of the Fulbright exchange program with regard to
14 Hong Kong at the earliest opportunity;

15 (11) to coordinate with allies, including the
16 United Kingdom, Australia, Canada, Japan, and the
17 Republic of Korea, to promote democracy and
18 human rights in Hong Kong; and

19 (12) to welcome and protect in the United
20 States residents of Hong Kong fleeing persecution or
21 otherwise seeking a safe haven from violations by
22 the Government of the PRC of the fundamental
23 rights of the people of Hong Kong.

24 (d) TEMPORARY PROTECTED STATUS FOR HONG
25 KONG RESIDENTS IN THE UNITED STATES.—

1 (1) DESIGNATION.—

2 (A) IN GENERAL.—For purposes of section
3 244 of the Immigration and Nationality Act (8
4 U.S.C. 1254a), Hong Kong shall be treated as
5 if it had been designated under subsection
6 (b)(1)(C) of such section, subject to the provi-
7 sions of this section.

8 (B) PERIOD OF DESIGNATION.—The initial
9 period of the designation referred to in sub-
10 paragraph (A) shall be for the 18-month period
11 beginning on the date of enactment of this Act.

12 (2) ALIENS ELIGIBLE.—As a result of the des-
13 igation made under subsection (a), an alien is
14 deemed to satisfy the requirements under paragraph
15 (1) of section 244(c) of the Immigration and Nation-
16 ality Act (8 U.S.C. 1254a(c)), subject to paragraph
17 (3) of such section, if the alien—

18 (A) was a permanent resident of Hong
19 Kong at the time such individual arrived into
20 the United States and is a national of the PRC
21 (or in the case of an individual having no na-
22 tionality, is a person who last habitually resided
23 in Hong Kong);

1 (B) has been continuously physically
2 present in the United States since the date of
3 the enactment of this Act;

4 (C) is admissible as an immigrant, except
5 as otherwise provided in paragraph (2)(A) of
6 such section, and is not ineligible for temporary
7 protected status under paragraph (2)(B) of
8 such section; and

9 (D) registers for temporary protected sta-
10 tus in a manner established by the Secretary of
11 Homeland Security.

12 (3) CONSENT TO TRAVEL ABROAD.—

13 (A) IN GENERAL.—The Secretary of
14 Homeland Security shall give prior consent to
15 travel abroad, in accordance with section
16 244(f)(3) of the Immigration and Nationality
17 Act (8 U.S.C. 1254a(f)(3)), to an alien who is
18 granted temporary protected status pursuant to
19 the designation made under paragraph (1) if
20 the alien establishes to the satisfaction of the
21 Secretary of Homeland Security that emergency
22 and extenuating circumstances beyond the con-
23 trol of the alien require the alien to depart for
24 a brief, temporary trip abroad.

1 (B) TREATMENT UPON RETURN.—An alien
2 returning to the United States in accordance
3 with an authorization described in subpara-
4 graph (A) shall be treated as any other return-
5 ing alien provided temporary protected status
6 under section 244 of the Immigration and Na-
7 tionality Act (8 U.S.C. 1254a).

8 (e) TREATMENT OF HONG KONG RESIDENTS FOR
9 IMMIGRATION PURPOSES.—Notwithstanding any other
10 provision of law, during the five fiscal year period begin-
11 ning on the first day of the first full fiscal year after the
12 date of enactment of this Act, Hong Kong shall continue
13 to be considered a foreign state separate and apart from
14 the PRC as mandated under section 103 of the Immigra-
15 tion and Nationality Act of 1990 (Public Law 101–649)
16 for purposes of the numerical limitations on immigrant
17 visas under sections 201, 202, and 203 of the Immigration
18 and Nationality Act (8 U.S.C. 1151, 1152, and 1153).

19 (f) VERIFICATION OF PRIORITY HONG KONG RESI-
20 DENTS.—

21 (1) IN GENERAL.—Not later than 180 days
22 after the date of the enactment of this Act, the Sec-
23 retary of State, in consultation with the Secretary of
24 Homeland Security, shall publish in the Federal
25 Register, an interim final rule establishing proce-

1 dures for designation of Priority Hong Kong Resi-
2 dents. Notwithstanding section 553 of title 5, United
3 States Code, the rule shall be effective, on an in-
4 terim basis, immediately upon publication, but may
5 be subject to change and revision after public notice
6 and opportunity for comment. The Secretary of
7 State shall finalize such rule not later than one year
8 after the date of the enactment of this Act. Such
9 rule shall establish procedures—

10 (A) for individuals to register with any
11 United States embassy or consulate outside of
12 the United States, or with the Department of
13 Homeland Security in the United States, and
14 request designation as a Priority Hong Kong
15 Resident; and

16 (B) for the appropriate Secretary to verify
17 the residency of registered individuals and des-
18 ignate those who qualify as Priority Hong Kong
19 Residents.

20 (2) DOCUMENTATION.—The procedures de-
21 scribed in paragraph (1) shall include the collection
22 of—

23 (A) biometric data;

1 (B) copies of birth certificates, residency
2 cards, and other documentation establishing
3 residency; and

4 (C) other personal information, data, and
5 records deemed appropriate by the Secretary.

6 (3) GUIDANCE.—Not later than 90 days after
7 the date of the enactment of this Act, the Secretary
8 of State shall issue guidance outlining actions to en-
9 hance the ability of the Secretary to efficiently send
10 and receive information to and from the United
11 Kingdom and other like-minded allies and partners
12 for purposes of rapid verification of permanent resi-
13 dency in Hong Kong and designation of individuals
14 as Priority Hong Kong Residents.

15 (4) REPORT.—Not later than 90 days after the
16 date of the enactment of this Act, the Secretary of
17 State shall submit to the appropriate congressional
18 committees, the Committee on the Judiciary of the
19 House of Representatives, and the Committee on the
20 Judiciary of the Senate a report detailing plans to
21 implement the requirements described in this sub-
22 section.

23 (5) PROTECTION FOR REFUGEES.—Nothing in
24 this section may be construed to prevent a Priority
25 Hong Kong Resident from seeking refugee status

1 under section 207 of the Immigration and Nation-
2 ality Act (8 U.S.C. 1157) or requesting asylum
3 under section 208 of such Act (8 U.S.C. 1158).

4 (g) REPORTING REQUIREMENTS.—

5 (1) IN GENERAL.—On an annual basis, the Sec-
6 retary of State and the Secretary of Homeland Secu-
7 rity, in consultation with other Federal agencies, as
8 appropriate, shall submit to the appropriate congres-
9 sional committees, the Committee on the Judiciary
10 of the House of Representatives, and the Committee
11 on the Judiciary of the Senate a report detailing for
12 the previous fiscal year—

13 (A) the number of Hong Kong SAR resi-
14 dents who have applied for United States visas
15 or immigration benefits, disaggregated by visa
16 type or immigration benefit, including asylum,
17 refugee status, temporary protected status, and
18 lawful permanent residence;

19 (B) the number of approvals, denials, or
20 rejections of applicants for visas or immigration
21 benefits described in subparagraph (A),
22 disaggregated by visa type or immigration ben-
23 efit and basis for denial;

24 (C) the number of pending refugee and
25 asylum applications for Hong Kong SAR resi-

1 dents, and the length of time and reason for
2 which such applications have been pending; and

3 (D) other matters determined relevant by
4 the Secretaries relating to efforts to protect and
5 facilitate the resettlement of refugees and vic-
6 tims of persecution in Hong Kong.

7 (2) FORM.—Each report under paragraph (1)
8 shall be submitted in unclassified form and pub-
9 lished on a text-searchable, publicly available website
10 of the Department of State and the Department of
11 Homeland Security.

12 (h) STRATEGY FOR INTERNATIONAL COOPERATION
13 ON HONG KONG.—

14 (1) IN GENERAL.—It is the policy of the United
15 States—

16 (A) to support the people of Hong Kong by
17 providing safe haven to Hong Kong SAR resi-
18 dents who are nationals of the PRC following
19 the enactment of the Hong Kong National Se-
20 curity Law that places certain Hong Kong per-
21 sons at risk of persecution; and

22 (B) to encourage like-minded nations to
23 make similar accommodations for Hong Kong
24 people fleeing persecution by the Government of
25 the PRC.

1 (2) PLAN.—The Secretary of State, in consulta-
2 tion with the heads of other Federal agencies, as ap-
3 propriate, shall develop a plan to engage with other
4 countries, including the United Kingdom, on cooper-
5 ative efforts to—

6 (A) provide refugee and asylum protections
7 for victims of, and individuals with a fear of,
8 persecution in Hong Kong, either by Hong
9 Kong authorities or other authorities acting on
10 behalf of the PRC;

11 (B) enhance protocols to facilitate the re-
12 settlement of refugees and displaced persons
13 from Hong Kong;

14 (C) identify and prevent the exploitation of
15 immigration and visa policies and procedures by
16 corrupt officials; and

17 (D) expedite the sharing of information, as
18 appropriate, related to the refusal of individual
19 applications for visas or other travel documents
20 submitted by residents of the Hong Kong SAR
21 based on—

22 (i) national security or related
23 grounds under section 212(a)(3) of the Im-
24 migration and Nationality Act (8 U.S.C.
25 1182(a)(3)); or

1 (ii) fraud or misrepresentation under
2 section 212(a)(6)(C) of the Immigration
3 and Nationality Act (8 U.S.C.
4 1182(a)(6)(C)).

5 (3) REPORT.—Not later than 90 days after the
6 date of the enactment of this Act, the Secretary of
7 State, in consultation with the heads of other Fed-
8 eral agencies, as appropriate, shall submit to the ap-
9 propriate congressional committees, the Committee
10 on the Judiciary of the House of Representatives,
11 and the Committee on the Judiciary of the Senate
12 a report on the plan described in paragraph (2).

13 (i) REFUGEE STATUS FOR CERTAIN RESIDENTS OF
14 HONG KONG.—

15 (1) IN GENERAL.—Aliens described in para-
16 graph (2) may establish, for purposes of admission
17 as a refugee under sections 207 of the Immigration
18 and Nationality Act (8 U.S.C. 1157) or asylum
19 under section 208 of such Act (8 U.S.C. 1158), that
20 such alien has a well-founded fear of persecution on
21 account of race, religion, nationality, membership in
22 a particular social group, or political opinion by as-
23 serting such a fear and a credible basis for concern
24 about the possibility of such persecution.

25 (2) ALIENS DESCRIBED.—

1 (A) IN GENERAL.—An alien is described in
2 this subsection if such alien—

3 (i) is a Priority Hong Kong Resident
4 and—

5 (I) had a significant role in a
6 civil society organization supportive of
7 the protests in 2019 and 2020 related
8 to the Hong Kong National Security
9 Law and the encroachment on the au-
10 tonomy of Hong Kong by the PRC;

11 (II) was arrested, charged, de-
12 tained, or convicted of an offense aris-
13 ing from their participation in an ac-
14 tion as described in section 206(b)(2)
15 of the United States-Hong Kong Pol-
16 icy Act of 1992 (22 U.S.C.
17 5726(b)(2)) that was not violent in
18 nature; or

19 (III) has had their citizenship,
20 nationality, or residency revoked for
21 having submitted to any United
22 States Government agency a nonfrivo-
23 lous application for refugee status,
24 asylum, or any other immigration ben-
25 efit under the immigration laws (as

1 defined in section 101(a) of the Immi-
2 gration and Nationality Act (8 U.S.C.
3 1101(a));

4 (ii) is a Priority Hong Kong Resident
5 spouse or child of an alien described in
6 clause (i); or

7 (iii) is the parent of an alien described
8 in clause (i), if such parent is a citizen of
9 the PRC and no other foreign state.

10 (B) OTHER CATEGORIES.—The Secretary
11 of Homeland Security, in consultation with the
12 Secretary of State, may designate other cat-
13 egories of aliens for purposes of establishing a
14 well-founded fear of persecution under para-
15 graph (1) if such aliens share common charac-
16 teristics that identify them as targets of perse-
17 cution in the PRC on account of race, religion,
18 nationality, membership in a particular social
19 group, or political opinion.

20 (C) SIGNIFICANT ROLE.—For purposes of
21 subclause (I) of paragraph (2)(A)(i), a signifi-
22 cant role shall include, with respect to the pro-
23 tests described in such clause—

24 (i) an organizing role;

25 (ii) a first aid responder;

1 (iii) a journalist or member of the
2 media covering or offering public com-
3 mentary;

4 (iv) a provider of legal services to one
5 or more individuals arrested for partici-
6 pating in such protests; or

7 (v) a participant who during the pe-
8 riod beginning on June 9, 2019, and end-
9 ing on June 30, 2020, was arrested,
10 charged, detained, or convicted as a result
11 of such participation.

12 (3) AGE OUT PROTECTIONS.—For purposes of
13 this subsection, a determination of whether an alien
14 is a child shall be made using the age of the alien
15 on the date an application for refugee or asylum sta-
16 tus in which the alien is a named beneficiary is filed
17 with the Secretary of Homeland Security.

18 (4) EXCLUSION FROM NUMERICAL LIMITA-
19 TIONS.—Aliens provided refugee status under this
20 subsection shall not be counted against the numer-
21 ical limitation on refugees established in accordance
22 with the procedures described in section 207 of the
23 Immigration and Nationality Act (8 U.S.C. 1157).

24 (5) REPORTING REQUIREMENTS.—

1 (A) IN GENERAL.—Not later than 90 days
2 after the date of the enactment of this Act and
3 every 90 days thereafter, the Secretary of State
4 and the Secretary of Homeland Security shall
5 submit to the appropriate congressional com-
6 mittees, the Committee on the Judiciary of the
7 House of Representatives, and the Committee
8 on the Judiciary of the Senate a report on the
9 matters described in subparagraph (B).

10 (B) MATTERS TO BE INCLUDED.—Each
11 report required by subparagraph (A) shall in-
12 clude, with respect to applications submitted
13 under this section—

14 (i) the total number of refugee and
15 asylum applications that are pending at
16 the end of the reporting period;

17 (ii) the average wait-times for all ap-
18 plicants for refugee status or asylum pend-
19 ing—

20 (I) a prescreening interview with
21 a resettlement support center;

22 (II) an interview with United
23 States Citizenship and Immigration
24 Services; and

1 (III) the completion of security
2 checks;

3 (iii) the number of approvals, referrals
4 including the source of the referral, denials
5 of applications for refugee status or asy-
6 lum, disaggregated by the reason for each
7 such denial; and

8 (iv) the number of refugee circuit
9 rides to interview populations that would
10 include Hong Kong SAR completed in the
11 last 90 days, and the number planned for
12 the subsequent 90-day period.

13 (C) FORM.—Each report required by sub-
14 paragraph (A) shall be submitted in unclassi-
15 fied form, but may include a classified annex.

16 (D) PUBLIC REPORTS.—The Secretary of
17 State shall make each report submitted under
18 this paragraph available to the public on the
19 internet website of the Department of State.

20 (j) ADMISSION FOR CERTAIN HIGHLY SKILLED
21 HONG KONG RESIDENTS.—

22 (1) IN GENERAL.—Subject to subsection (c),
23 the Secretary of Homeland Security, or, notwith-
24 standing any other provision of law, the Secretary of
25 State in consultation with the Secretary of Home-

1 land Security, may provide an alien described in sub-
2 section (b) with the status of a special immigrant
3 under section 101(a)(27) of the Immigration and
4 Nationality Act (8 U.S.C. 1101(a)(27)), if the
5 alien—

6 (A) or an agent acting on behalf of the
7 alien, submits a petition for classification under
8 section 203(b)(4) of such Act (8 U.S.C.
9 1153(b)(4));

10 (B) is otherwise eligible to receive an im-
11 migrant visa;

12 (C) is otherwise admissible to the United
13 States for permanent residence (excluding the
14 grounds for inadmissibility specified in section
15 212(a)(4) of such Act (8 U.S.C. (a)(4))); and

16 (D) clears a background check and appro-
17 priate screening, as determined by the Sec-
18 retary of Homeland Security.

19 (2) ALIENS DESCRIBED.—

20 (A) PRINCIPAL ALIENS.—An alien is de-
21 scribed in this subsection if—

22 (i) the alien—

23 (I) is a Priority Hong Kong Resi-
24 dent; and

1 (II) has earned a bachelor's or
2 higher degree from an institution of
3 higher education; and

4 (ii) the Secretary of Homeland Secu-
5 rity determines that such alien's relocation
6 to the United States would provide a sig-
7 nificant benefit to the United States.

8 (B) SPOUSES AND CHILDREN.—An alien is
9 described in this subsection if the alien is the
10 spouse or child of a principal alien described in
11 paragraph (1).

12 (3) NUMERICAL LIMITATIONS.—

13 (A) IN GENERAL.—The total number of
14 principal aliens who may be provided special
15 immigrant status under this section may not
16 exceed 5,000 per year for each of the five fiscal
17 years beginning after the date of the enactment
18 of this Act. The Secretary of Homeland Secu-
19 rity may, in consultation with the Secretary of
20 State, prioritize the issuance of visas to individ-
21 uals with a bachelor's or higher degree in
22 science, technology, engineering, mathematics,
23 medicine, or health care.

24 (B) EXCLUSION FROM NUMERICAL LIMITA-
25 TIONS.—Aliens provided immigrant status

1 under this section shall not be counted against
2 any numerical limitation under section 201,
3 202, 203, or 207 of the Immigration and Na-
4 tionality Act (8 U.S.C. 1151, 1152, 1153, and
5 1157).

6 (4) ELIGIBILITY FOR ADMISSION UNDER OTHER
7 CLASSIFICATION.—No alien shall be denied the op-
8 portunity to apply for admission under this section
9 solely because such alien qualifies as an immediate
10 relative or is eligible for any other immigrant classi-
11 fication.

12 (5) TIMELINE FOR PROCESSING APPLICA-
13 TIONS.—

14 (A) IN GENERAL.—The Secretary of State
15 and the Secretary of Homeland Security shall
16 ensure that all steps under the control of the
17 United States Government incidental to the ap-
18 proval of such applications, including required
19 screenings and background checks, are com-
20 pleted not later than one year after the date on
21 which an eligible applicant submits an applica-
22 tion under subsection (a).

23 (B) EXCEPTION.—Notwithstanding para-
24 graph (1), the relevant Federal agencies may
25 take additional time to process applications de-

1 scribed in paragraph (1) if satisfaction of na-
2 tional security concerns requires such additional
3 time, provided that the Secretary of Homeland
4 Security, or the designee of the Secretary, has
5 determined that the applicant meets the re-
6 quirements for status as a special immigrant
7 under this section and has so notified the appli-
8 cant.

9 (k) **TERMINATION.**—Except as provided in section
10 30300(f) of this Act, this section shall cease to have effect
11 on the date that is five years after the date of the enact-
12 ment of this Act.

13 **SEC. 30304. EXPORT PROHIBITION OF MUNITIONS ITEMS TO**
14 **THE HONG KONG POLICE FORCE.**

15 Section 3 of the Act entitled “An Act to prohibit the
16 commercial export of covered munitions items to the Hong
17 Kong Police Force”, approved November 27, 2019 (Public
18 Law 116–77; 133 Stat. 1173), is amended by striking “on
19 December 31, 2021.” and inserting the following: “on the
20 date on which the President certifies to the appropriate
21 congressional committees that—

22 “(1) the Secretary of State has, on or after the
23 date of the enactment of this paragraph, certified
24 under section 205 of the United States-Hong Kong
25 Policy Act of 1992 that Hong Kong warrants treat-

1 ment under United States law in the same manner
2 as United States laws were applied to Hong Kong
3 before July 1, 1997;

4 “(2) the Hong Kong Police have not engaged in
5 gross violations of human rights during the 1-year
6 period ending on the date of such certification; and

7 “(3) there has been an independent examina-
8 tion of human rights concerns related to the crowd
9 control tactics of the Hong Kong Police and the
10 Government of the Hong Kong Special Administra-
11 tive Region has adequately addressed those con-
12 cerns.”.

13 **SEC. 30305. SENSE OF CONGRESS ON TREATMENT OF**
14 **UYGHURS AND OTHER ETHNIC MINORITIES**
15 **IN THE XINJIANG UYGHUR AUTONOMOUS RE-**
16 **GION.**

17 (a) FINDINGS.—Congress makes the following find-
18 ings:

19 (1) The Uyghurs are one of several predomi-
20 nantly Muslim Turkic groups living in the Xinjiang
21 Uyghur Autonomous Region (XUAR) in the north-
22 west of the People’s Republic of China (PRC).

23 (2) Following Uyghur demonstrations and un-
24 rest in 2009 and clashes with government security
25 personnel and other violent incidents in subsequent

1 years, PRC leaders sought to “stabilize” the XUAR
2 through large-scale arrests and extreme security
3 measures, under the pretext of combatting alleged
4 terrorism, religious extremism, and ethnic sepa-
5 ratism.

6 (3) In May 2014, the PRC launched its “Strike
7 Hard Against Violent Extremism” campaign, which
8 placed further restrictions on and facilitated addi-
9 tional human rights violations against minorities in
10 the XUAR under the pretext of fighting terrorism.

11 (4) In August 2016, Chinese Communist Party
12 (CCP) Politburo member Chen Quanguo, former
13 Tibet Autonomous Region (TAR) Party Secretary,
14 known for overseeing intensifying security operations
15 and human rights abuses in the TAR, was appointed
16 as Party Secretary of the XUAR.

17 (5) Beginning in 2017, XUAR authorities have
18 sought to forcibly “assimilate” Uyghurs and other
19 Turkic minorities into Chinese society through a pol-
20 icy of cultural erasure known as “Sinicization”.

21 (6) Since 2018, credible reporting including
22 from the BBC, France24, and the New York Times
23 has shown that the Government of the PRC has
24 built mass internment camps in the XUAR, which it
25 calls “vocational training” centers, and detained

1 Uyghurs and other groups in them and other facili-
2 ties.

3 (7) Since 2015, XUAR authorities have arbi-
4 trarily detained an estimated 1,500,000 Uyghurs—
5 12.5 percent of the XUAR’s official Uyghur popu-
6 lation of 12,000,000—and a smaller number of
7 other ethnic minorities in the “vocational training”
8 centers and other detention and pre-detention facili-
9 ties.

10 (8) In 2017, the XUAR accounted for less than
11 two percent of the PRC’s total population but 21
12 percent of all arrests in China.

13 (9) The Atlantic, Radio Free Asia, and other
14 sources have revealed that detainees are forced to re-
15 nounce many of their Islamic beliefs and customs
16 and repudiate Uyghur culture, language, and iden-
17 tity.

18 (10) Investigations by Human Rights Watch
19 and other human rights organizations have docu-
20 mented how detainees are subject to political indoc-
21 trination, forced labor, crowded and unsanitary con-
22 ditions, involuntary biometric data collection, both
23 medical neglect and intrusive medical interventions,
24 food and water deprivation, beatings, sexual violence,
25 and torture.

1 (11) Research by the Australian Strategic Pol-
2 icy Institute suggests that, since late 2019, many
3 detainees have been placed in higher security facili-
4 ties and convicted of formal crimes.

5 (12) Human Rights Watch has reported that
6 the PRC uses data collection programs, including fa-
7 cial recognition technology, to surveil Uyghurs in the
8 XUAR and to identify individuals whom authorities
9 may detain.

10 (13) PRC authorities have placed countless
11 children whose parents are detained or in exile in
12 state-run institutions and boarding schools without
13 the consent of their parents.

14 (14) New York Times reporting revealed that
15 numerous local PRC officials who did not agree with
16 the policies carried out in XUAR have been fired
17 and imprisoned.

18 (15) Associated Press reporting documented
19 widespread and systemic efforts by PRC authorities
20 to force Uyghur women to take contraceptives or to
21 subject them to sterilization or abortion, threatening
22 to detain those who do not comply.

23 (16) PRC authorities prohibit family members
24 and advocates inside and outside China from having
25 regular communications with relatives and friends

1 imprisoned in the XUAR, such as journalist and en-
2 trepreneur Ekpar Asat.

3 (17) PRC authorities have imposed pervasive
4 restrictions on the peaceful practice of Islam in the
5 XUAR, to the extent that Human Rights Watch as-
6 serts the PRC “has effectively outlawed the practice
7 of Islam”.

8 (18) Individuals who are not detained in camps
9 have been forced to attend political indoctrination
10 sessions, subjected to movement restrictions, mass
11 surveillance systems, involuntary biometric data col-
12 lection, and other human rights abuses.

13 (19) International media, nongovernmental or-
14 ganizations, scholars, families, and survivors have
15 reported on the systemic nature of many of these
16 abuses.

17 (20) On June 26, 2020, a group of 50 inde-
18 pendent United Nations experts jointly expressed
19 alarm over China’s deteriorating human rights
20 record, including its repression in Xinjiang, and
21 called on the international community “to act collec-
22 tively and decisively to ensure China respects human
23 rights and abides by its international obligations”.

24 (21) On October 6, 2020, 39 United Nations
25 member countries issued a public statement con-

1 demning human rights violations by PRC authorities
2 and calling on the PRC to allow the United Nations
3 High Commissioner for Human Rights unfettered
4 access to Xinjiang.

5 (22) The United States Congress passed the
6 Uyghur Human Rights Policy Act of 2020 (Public
7 Law 116–145).

8 (23) The United States Congress passed the
9 Global Magnitsky Human Rights Accountability Act
10 (subtitle F of title XII of Public Law 114–328; 22
11 U.S.C. 2656 note), which has been used to sanction
12 PRC officials and entities for their activities in the
13 XUAR.

14 (24) The United States Government has imple-
15 mented additional targeted restrictions on trade with
16 Xinjiang and imposed visa and economic sanctions
17 on PRC officials and entities for their activities in
18 the XUAR.

19 (25) The United States Government has docu-
20 mented human rights abuses and violations of indi-
21 vidual freedoms in the XUAR, including in the 2019
22 Department of State Report on International Reli-
23 gious Freedom.

24 (26) On January 19, 2021, during his con-
25 firmation hearing, Secretary of State Antony

1 Blinken testified that “forcing men, women, and
2 children into concentration camps, trying to in effect
3 reeducate them to be adherents to the Chinese Com-
4 munist Party—all of that speaks to an effort to
5 commit genocide”.

6 (27) On January 19, 2021, Secretary of the
7 Treasury Janet L. Yellen, during her confirmation
8 hearing, publicly stated that China is guilty of “hor-
9 rendous human rights abuses”.

10 (28) On January 27, 2021, in response to a
11 question from the press regarding the Uyghurs, Sec-
12 retary Blinken stated that his “judgement remains
13 that genocide was committed against the Uyghurs”.

14 (29) On March 10, 2021, in response to a ques-
15 tion on Xinjiang during his testimony before the
16 Committee on Foreign Affairs of the House of Rep-
17 resentatives, Secretary Blinken reiterated, “We’ve
18 been clear, and I’ve been clear, that I see it as geno-
19 cide, other egregious abuses of human rights, and
20 we’ll continue to make that clear.”.

21 (30) The 2020 Department of State Country
22 Reports on Human Rights Practices: China states
23 that “[g]enocide and crimes against humanity oc-
24 curred during the year against the predominantly

1 Muslim Uyghurs and other ethnic and religious mi-
2 nority groups in Xinjiang”.

3 (b) SENSE OF CONGRESS.—It is the sense of Con-
4 gress that—

5 (1) the atrocities committed by the PRC
6 against Uyghurs and other predominantly Muslim
7 Turkic groups in Xinjiang, including forced labor,
8 sexual violence, the internment of over 1,000,000 in-
9 dividuals, and other horrific abuses must be con-
10 demned;

11 (2) the President, the Secretary of State, and
12 the United States Ambassador to the United Na-
13 tions should speak publicly about the ongoing
14 human rights abuses in the XUAR, including in for-
15 mal speeches at the United Nations and other inter-
16 national fora;

17 (3) the President, the Secretary of State, and
18 the United States Ambassador to the United Na-
19 tions should appeal to the United Nations Secretary-
20 General to take a more proactive and public stance
21 on the situation in the XUAR, including by sup-
22 porting calls for an investigation and accountability
23 for individuals and entities involved in abuses
24 against the people of the XUAR;

1 (4) the United States should continue to use
2 targeted sanctions and all diplomatic tools available
3 to hold those responsible for the atrocities in
4 Xinjiang to account;

5 (5) United States agencies engaged with China
6 on trade, climate, defense, or other bilateral issues
7 should include human rights abuses in the XUAR as
8 a consideration in developing United States policy;

9 (6) the United States supports Radio Free Asia
10 Uyghur, the only Uyghur-language news service in
11 the world independent of Chinese government influ-
12 ence; and

13 (7) the United States recognizes the repeated
14 requests from the United Nations High Commis-
15 sioner for Human Rights for unfettered access to
16 the XUAR and the PRC's refusal to comply, and
17 therefore—

18 (A) PRC authorities must allow unfettered
19 access by the United Nations Office of the High
20 Commissioner for Human Rights to the XUAR;

21 (B) the United States should urge collabo-
22 rative action between the United States Govern-
23 ment and international partners to pressure
24 PRC authorities to allow unfettered access to
25 the XUAR;

1 (C) the President, the Secretary of State,
2 and the United States Ambassador to the
3 United Nations should simultaneously outline a
4 strategy to investigate the human rights abuses
5 and crimes that have taken place in the XUAR,
6 collect evidence, and transfer the evidence to a
7 competent court; and

8 (D) United States partners and allies
9 should undertake similar strategies in an effort
10 to build an international investigation outside of
11 the PRC if PRC authorities do not comply with
12 a United Nations investigation in the XUAR.

13 **SEC. 30306. UYGHUR HUMAN RIGHTS PROTECTION.**

14 (a) **SHORT TITLE.**—This section may be cited as the
15 “Uyghur Human Rights Protection Act”.

16 (b) **FINDINGS.**—Congress makes the following find-
17 ings:

18 (1) The Government of the People’s Republic of
19 China (PRC) has a long history of repressing Turkic
20 Muslims and other Muslim minority groups, particu-
21 larly Uyghurs, in the Xinjiang Uyghur Autonomous
22 Region (commonly referred to as “Xinjiang” or
23 “XUAR”), also known as East Turkestan. Central
24 and regional PRC government policies have system-
25 atically discriminated against these minority groups

1 by denying them a range of civil and political rights,
2 particularly freedom of religion. Senior Chinese
3 Communist Party (CCP) officials bear direct respon-
4 sibility for these gross human rights violations.

5 (2) PRC government abuses include the arbi-
6 trary detention of more than 1,000,000 Uyghurs,
7 ethnic Kazakhs, Kyrgyz, and members of other Mus-
8 lim minority groups, separation of working age
9 adults from their children and elderly parents, and
10 the integration of forced labor into supply chains.
11 Those held in detention facilities and internment
12 camps in the XUAR have described forced political
13 indoctrination, torture, beatings, food deprivation,
14 sexual assault, coordinated campaigns to reduce
15 birth rates among Uyghurs and other Turkic Mus-
16 lims through forced sterilization, and denial of reli-
17 gious, cultural, and linguistic freedoms. Recent
18 media reports indicate that since 2019, the PRC
19 government has newly constructed, expanded, or for-
20 tified at least 60 detention facilities with higher se-
21 curity or prison-like features in Xinjiang.

22 (3) The PRC government's actions against
23 Uyghurs, ethnic Kazakhs, Kyrgyz, and members of
24 other Muslim minority groups in the XUAR violate

1 international human rights laws and norms, includ-
2 ing—

3 (A) the International Convention on the
4 Elimination of All Forms of Racial Discrimina-
5 tion, to which the PRC has acceded;

6 (B) the Convention against Torture and
7 Other Cruel, Inhuman or Degrading Treatment
8 or Punishment, which the PRC has signed and
9 ratified;

10 (C) The Convention on the Prevention and
11 Punishment of the Crime of Genocide, which
12 the PRC has signed and ratified;

13 (D) the International Covenant on Civil
14 and Political Rights, which the PRC has signed;
15 and

16 (E) the Universal Declaration of Human
17 Rights and the International Labor Organiza-
18 tion's Force Labor Convention (no. 29) and the
19 Abolition of Forced Labor Convention (no.
20 105).

21 (c) REFUGEE PROTECTIONS FOR CERTAIN RESI-
22 DENTS OF THE XUAR.—

23 (1) POPULATIONS OF SPECIAL HUMANITARIAN
24 CONCERN.—The Secretary of State, in consultation
25 with the Secretary of Homeland Security, shall des-

1 ignite, as Priority 2 refugees of special humani-
2 tarian concern—

3 (A) aliens who were nationals of the PRC
4 and residents of the XUAR on January 1,
5 2021;

6 (B) aliens who fled the XUAR after June
7 30, 2009, and reside in other provinces of the
8 PRC or in a third country where such alien is
9 not firmly resettled; and

10 (C) the spouses, children, and parents (as
11 such terms are defined in subsections (a) and
12 (b) of section 101 of the Immigration and Na-
13 tionality Act (8 U.S.C. 1101)) of individuals de-
14 scribed in subparagraphs (A) and (B), except
15 that a child shall be an unmarried person under
16 27 years of age.

17 (2) PROCESSING OF XUAR REFUGEES.—The
18 processing of individuals described in paragraph (1)
19 for classification as refugees may occur in the PRC
20 or a third country.

21 (3) ELIGIBILITY FOR ADMISSION AS A REF-
22 UGEE.—

23 (A) IN GENERAL.—Aliens described in sub-
24 paragraph (B) may establish, for purposes of
25 admission as a refugee under section 207 of the

1 Immigration and Nationality Act (8 U.S.C.
2 1157) or asylum under section 208 of such Act
3 (8 U.S.C. 1158), that such alien has a well-
4 founded fear of persecution on account of race,
5 religion, nationality, membership in a particular
6 social group, or political opinion by asserting
7 such a fear and asserting a credible basis for
8 concern about the possibility of such persecu-
9 tion.

10 (B) ALIENS DESCRIBED.—An alien is de-
11 scribed in this subsection if such alien has been
12 identified as a person of special humanitarian
13 concern pursuant to paragraph (1) and—

14 (i) has experienced persecution in the
15 XUAR by the PRC government, includ-
16 ing—

17 (I) forced and arbitrary detention
18 including in an internment or re-edu-
19 cation camp;

20 (II) forced political indoctrina-
21 tion, torture, beatings, food depriva-
22 tion, and denial of religious, cultural,
23 and linguistic freedoms;

24 (III) forced labor;

1 (IV) forced separation from fam-
2 ily members;

3 (V) other forms of systemic
4 threats, harassment, and gross human
5 rights violations; or

6 (VI) has been formally charged,
7 detained, or convicted on account of
8 their peaceful actions as described in
9 the Uyghur Human Rights Policy Act
10 of 2020 (Public Law 116–145).

11 (ii) is currently a national of the PRC
12 whose residency in the XUAR, or any
13 other area within the jurisdiction of the
14 PRC, was revoked for having submitted to
15 any United States Government agency a
16 nonfrivolous application for refugee status,
17 asylum, or any other immigration benefit
18 under United States law.

19 (C) ELIGIBILITY FOR ADMISSION UNDER
20 OTHER CLASSIFICATION.—An alien may not be
21 denied the opportunity to apply for admission
22 as a refugee or asylum under this section solely
23 because such alien qualifies as an immediate
24 relative of a national of the United States or is

1 eligible for admission to the United States
2 under any other immigrant classification.

3 (4) PRIORITY.—The Secretary of State shall
4 prioritize bilateral diplomacy with third countries
5 hosting former residents of the XUAR and who face
6 significant diplomatic pressures from the PRC gov-
7 ernment.

8 (5) REPORTING REQUIREMENTS.—

9 (A) IN GENERAL.—Not later than 180
10 days after the date of the enactment of this Act
11 and every 90 days thereafter, the Secretary of
12 State and the Secretary of Homeland Security
13 shall submit to the appropriate congressional
14 committees, the Committee on the Judiciary of
15 the House of Representatives, and the Com-
16 mittee on the Judiciary of the Senate a report
17 on the matters described in subparagraph (B).

18 (B) MATTERS TO BE INCLUDED.—Each
19 report required by subparagraph (A) shall in-
20 clude, with respect to applications submitted
21 under this section—

22 (i) the total number of applications
23 that are pending at the end of the report-
24 ing period;

1 (ii) the average wait-times and num-
2 ber of applicants who are currently pend-
3 ing—

4 (I) a pre-screening interview with
5 a resettlement support center;

6 (II) an interview with United
7 States Citizenship and Immigration
8 Services;

9 (III) the completion of security
10 checks;

11 (IV) receipt of a final decision
12 after completion of an interview with
13 United States Citizenship and Immi-
14 gration Services; and

15 (iii) the number of denials of applica-
16 tions for refugee status, disaggregated by
17 the reason for each such denial.

18 (C) FORM.—Each report required by para-
19 graph (1) shall be submitted in unclassified
20 form, but may include a classified annex.

21 (D) PUBLIC REPORTS.—The Secretary of
22 State shall make each report submitted under
23 this subsection available to the public on the
24 internet website of the Department of State.

1 (d) STATEMENT OF POLICY ON ENCOURAGING AL-
2 LIES AND PARTNERS TO MAKE SIMILAR ACCOMMODA-
3 TIONS.—It is the policy of the United States to encourage
4 United States allies and partners to make accommoda-
5 tions similar to the accommodations made in this section
6 for residents of the XUAR who are fleeing oppression by
7 the PRC Government.

8 (e) TERMINATION.—This section shall terminate on
9 the date that is ten years after the date of the enactment
10 of this Act.

11 **SEC. 30307. REMOVAL OF MEMBERS OF THE UNITED NA-**
12 **TIONS HUMAN RIGHTS COUNCIL THAT COM-**
13 **MIT HUMAN RIGHTS ABUSES.**

14 The President shall direct the Permanent Represent-
15 ative of the United States to the United Nations to use
16 the voice, vote, and influence of the United States to—

17 (1) reform the process for removing Member
18 States of the United Nations Human Rights Council
19 that commit gross and systemic violations of human
20 rights, including—

21 (A) lowering the threshold vote at the
22 United Nations General Assembly for removal
23 to a simple majority;

1 (B) ensuring information detailing the
2 Member State's human rights record is publicly
3 available before the vote on removal; and

4 (C) making the vote of each country on the
5 removal from the United Nations Human
6 Rights Council publicly available;

7 (2) reform the rules on electing members to the
8 United Nations Human Rights Council to ensure
9 United Nations Member States that have committed
10 gross and systemic violations of human rights are
11 not elected to the Human Rights Council; and

12 (3) oppose the election to the United Nations
13 Human Rights Council of any United Nations Mem-
14 ber State—

15 (A) currently designated as a country en-
16 gaged in a consistent pattern of gross violations
17 of internationally recognized human rights pur-
18 suant to section 116 or section 502B of the
19 Foreign Assistance Act of 1961 (22 U.S.C.
20 2151n or 2304);

21 (B) the government of which the Secretary
22 of State currently determines has repeatedly
23 provided support for international terrorism
24 pursuant to—

1 (i) section 1754(e) of the National
2 Defense Authorization Act for Fiscal Year
3 2019;

4 (ii) section 620A of the Foreign As-
5 sistance Act of 1961 (22 U.S.C. 2371);

6 (iii) section 40 of the Arms Export
7 Control Act (22 U.S.C. 2779A); or

8 (iv) any other provision of law;

9 (C) currently designated as a Tier 3 coun-
10 try under the Trafficking Victims Protection
11 Act of 2000 (22 U.S.C. 7101 et seq.);

12 (D) the government of which is identified
13 on the list published by the Secretary of State
14 pursuant to section 404(b) of the Child Soldiers
15 Prevention Act of 2008 (22 U.S.C. 2370c-1(b))
16 as a government that recruits and uses child
17 soldiers; or

18 (E) the government of which the United
19 States determines to have committed genocide
20 or crimes against humanity.

21 **SEC. 30308. POLICY WITH RESPECT TO TIBET.**

22 (a) RANK OF UNITED STATES SPECIAL COORDI-
23 NATOR FOR TIBETAN ISSUES.—Section 621 of the Ti-
24 betan Policy Act of 2002 (22 U.S.C. 6901 note) is amend-
25 ed—

1 (1) by redesignating subsections (b), (c), (d),
2 and (e), as subsections (c), (d), (e), and (f), respec-
3 tively; and

4 (2) by inserting after subsection (a) the fol-
5 lowing new subsection:

6 “(b) RANK.—The Special Coordinator shall either be
7 appointed by the President, with the advice and consent
8 of the Senate, or shall be an individual holding the rank
9 of Under Secretary of State or higher.”.

10 (b) TIBET UNIT AT UNITED STATES EMBASSY IN
11 BEIJING.—

12 (1) IN GENERAL.—The Secretary of State shall
13 establish a Tibet Unit in the Political Section of the
14 United States Embassy in Beijing, People’s Republic
15 of China (PRC).

16 (2) OPERATION.—The Tibet Unit established
17 under paragraph (1) shall operate until such time as
18 the Government of the PRC permits—

19 (A) the United States Consulate General
20 in Chengdu, PRC, to reopen; or

21 (B) a United States Consulate General in
22 Lhasa, Tibet, to open.

23 (3) STAFF.—

24 (A) IN GENERAL.—The Secretary shall—

1 (i) assign not fewer than two United
2 States direct-hire personnel to the Tibet
3 Unit established under paragraph (1); and

4 (ii) hire not fewer than one locally en-
5 gaged staff member for such unit.

6 (B) LANGUAGE TRAINING.—The Secretary
7 shall make Tibetan language training available
8 to the personnel assigned under subparagraph
9 (A), consistent with the Tibetan Policy Act of
10 2002 (22 U.S.C. 6901 note).

11 **SEC. 30309. UNITED STATES POLICY AND INTERNATIONAL**
12 **ENGAGEMENT ON THE SUCCESSION OR REIN-**
13 **CARNATION OF THE DALAI LAMA AND RELI-**
14 **GIOUS FREEDOM OF TIBETAN BUDDHISTS.**

15 (a) REAFFIRMATION OF POLICY.—It is the policy of
16 the United States, as provided under section 342(b) of di-
17 vision FF of the Consolidated Appropriations Act, 2021
18 (Public Law 116–260), that any “interference by the Gov-
19 ernment of the People’s Republic of China or any other
20 government in the process of recognizing a successor or
21 reincarnation of the 14th Dalai Lama and any future
22 Dalai Lamas would represent a clear abuse of the right
23 to religious freedom of Tibetan Buddhists and the Tibetan
24 people”.

1 (b) INTERNATIONAL EFFORTS TO PROTECT RELI-
2 GIOUS FREEDOM OF TIBETAN BUDDHISTS.—The Sec-
3 retary of State should engage with United States allies
4 and partners to—

5 (1) support Tibetan Buddhist religious leaders’
6 sole religious authority to identify and install the
7 15th Dalai Lama;

8 (2) oppose claims by the Government of the
9 People’s Republic of China (PRC) that the PRC has
10 the authority to decide for Tibetan Buddhists the
11 15th Dalai Lama; and

12 (3) reject interference by the Government of the
13 PRC in the religious freedom of Tibetan Buddhists.

14 **SEC. 30310. DEVELOPMENT AND DEPLOYMENT OF INTER-**
15 **NET FREEDOM AND GREAT FIREWALL CIR-**
16 **CUMVENTION TOOLS FOR THE PEOPLE OF**
17 **HONG KONG.**

18 (a) FINDINGS.—Congress makes the following find-
19 ings:

20 (1) The People’s Republic of China (PRC) has
21 repeatedly violated its obligations under the Joint
22 Declaration by suppressing the basic rights and free-
23 doms of the people of Hong Kong.

24 (2) On June 30, 2020, the National People’s
25 Congress passed a “National Security Law” that

1 further erodes Hong Kong's autonomy and enables
2 authorities to suppress dissent.

3 (3) The Government of the PRC continues to
4 utilize the National Security Law to undermine the
5 fundamental rights of the Hong Kong people
6 through suppression of the freedom of speech, as-
7 sembly, religion, and the press.

8 (4) Article 9 of the National Security Law au-
9 thorizes unprecedented regulation and supervision of
10 internet activity in Hong Kong, including expanded
11 police powers to force internet service providers to
12 censor content, hand over user information, and
13 block access to platforms.

14 (5) On January 13, 2021, the Hong Kong
15 Broadband Network blocked public access to HK
16 Chronicles, a website promoting pro-democracy view-
17 points, under the authorities of the National Secu-
18 rity Law.

19 (6) On February 12, 2021, internet service pro-
20 viders blocked access to the Taiwan Transitional
21 Justice Commission website in Hong Kong.

22 (7) Major tech companies, including Facebook,
23 Twitter, WhatsApp and Google, have stopped review-
24 ing requests for user data from Hong Kong authori-
25 ties.

1 (8) On February 28, 2021, 47 pro-democracy
2 activists in Hong Kong were arrested and charged
3 under the National Security Law on the charge of
4 “conspiracy to commit subversion”.

5 (b) SENSE OF CONGRESS.—It is the sense of Con-
6 gress that the United States should—

7 (1) support the ability of the people of Hong
8 Kong to maintain their freedom to access informa-
9 tion online; and

10 (2) focus on investments in technologies that
11 facilitate the unhindered exchange of information in
12 Hong Kong in advance of any future efforts by the
13 Chinese Communist Party—

14 (A) to suppress internet access;

15 (B) to increase online censorship; or

16 (C) to inhibit online communication and
17 content-sharing by the people of Hong Kong.

18 (c) HONG KONG INTERNET FREEDOM PROGRAM.—

19 (1) WORKING GROUP.—

20 (A) IN GENERAL.—The Secretary of State
21 is authorized to establish a working group to
22 develop a strategy to bolster internet resiliency
23 and online access in Hong Kong.

24 (B) MEMBERSHIP.—The working group
25 under subparagraph (A) shall consist of—

1 (i) the Under Secretary of State for
2 Civilian Security, Democracy, and Human
3 Rights;

4 (ii) the Assistant Secretary of State
5 for East Asian and Pacific Affairs;

6 (iii) the Chief Executive Officer of the
7 United States Agency for Global Media
8 and the President of the Open Technology
9 Fund of the Agency; and

10 (iv) the Administrator of the United
11 States Agency for International Develop-
12 ment.

13 (2) HONG KONG INTERNET FREEDOM PRO-
14 GRAMS.—

15 (A) DEPARTMENT OF STATE.—The Sec-
16 retary of State shall establish a Hong Kong
17 Internet Freedom Program in the Bureau of
18 Democracy, Human Rights, and Labor in the
19 Department of State.

20 (B) OPEN TECHNOLOGY FUND.—The
21 President of the Open Technology Fund of the
22 United States Agency for Global Media is au-
23 thorized to establish a Hong Kong Internet
24 Freedom Program.

1 (C) OPERATION.—The Programs referred
2 to in subparagraphs (A) and (B) shall operate
3 independently, but in strategic coordination
4 with other entities in the working group under
5 paragraph (1). The Open Technology Fund
6 shall remain independent from Department of
7 State direction in its implementation of the
8 Program of such Fund, and any other internet
9 freedom programs.

10 (3) INDEPENDENCE.—During the period begin-
11 ning on the date of the enactment of this Act and
12 ending on September 30, 2023, the Hong Kong
13 Internet Freedom Programs described in paragraph
14 (2) shall be carried out independently from any
15 other internet freedom programs relating to the Peo-
16 ple’s Republic of China carried out by the Depart-
17 ment of State or the Open Technology Fund of the
18 United States Agency for Global Media, as the case
19 may be, in order that such Hong Kong Internet
20 Freedom Programs may focus on supporting lib-
21 erties presently enjoyed by the people of Hong Kong.

22 (4) CONSOLIDATION OF DEPARTMENT OF
23 STATE PROGRAM.—Beginning on October 1, 2023,
24 the Secretary of State may—

1 (A) consolidate the Hong Kong Internet
2 Freedom Program of the Department of State
3 with any other internet freedom programs relat-
4 ing to the People's Republic of China carried
5 out by the Bureau of Democracy, Human
6 Rights, and Labor; or

7 (B) continue to carry out the Program in
8 accordance with paragraph (3).

9 (5) CONSOLIDATION OF OPEN TECHNOLOGY
10 FUND PROGRAM.—Beginning on October 1, 2023,
11 the President of the Open Technology Fund of the
12 United States Agency for Global Media may—

13 (A) consolidate the Hong Kong Internet
14 Freedom Program of the Fund with any other
15 internet freedom programs relating to the Peo-
16 ple's Republic of China carried out by the
17 Fund; or

18 (B) continue to carry out the Program in
19 accordance with paragraph (3).

20 (d) SUPPORT FOR INTERNET FREEDOM TECH-
21 NOLOGY PROGRAMS.—

22 (1) GRANTS AUTHORIZED.—

23 (A) IN GENERAL.—The Secretary of State,
24 working through the Bureau of Democracy,
25 Human Rights, and Labor, and President of

1 the Open Technology Fund of the United
2 States Agency for Global Media, are each sepa-
3 rately and independently authorized to award
4 grants and contracts to private organizations to
5 support and develop programs in Hong Kong
6 that promote or expand—

7 (i) an open, interoperable, reliable and
8 secure internet; and

9 (ii) the online exercise of human
10 rights and fundamental freedoms of indi-
11 vidual citizens, activists, human rights de-
12 fenders, independent journalists, civil soci-
13 ety organizations, and marginalized popu-
14 lations in Hong Kong.

15 (B) GOALS.—The goals of the programs
16 developed pursuant to grants awarded pursuant
17 to subparagraph (A) should be—

18 (i) to make the internet available in
19 Hong Kong;

20 (ii) to increase the number of the
21 tools in the technology portfolio;

22 (iii) to promote the availability of such
23 technologies and tools in Hong Kong;

1 (iv) to encourage the adoption of such
2 technologies and tools by the people of
3 Hong Kong;

4 (v) to scale up the distribution of such
5 technologies and tools throughout Hong
6 Kong;

7 (vi) to prioritize the development of
8 tools, components, code, and technologies
9 that are fully open-source, to the extent
10 practicable;

11 (vii) to conduct research on repressive
12 tactics that undermine internet freedom in
13 Hong Kong;

14 (viii) to ensure digital safety guidance
15 and support is available to repressed indi-
16 vidual citizens, human rights defenders,
17 independent journalists, civil society orga-
18 nizations and marginalized populations in
19 Hong Kong; and

20 (ix) to engage United States private
21 industry, including e-commerce firms and
22 social networking companies, on the impor-
23 tance of preserving internet access in Hong
24 Kong.

1 (C) GRANT RECIPIENTS.—Grants awarded
2 pursuant to subparagraph (A) shall be distrib-
3 uted to multiple vendors and suppliers through
4 an open, fair, competitive, and evidence-based
5 decision process—

6 (i) to diversify the technical base; and
7 (ii) to reduce the risk of misuse by
8 bad actors.

9 (D) SECURITY AUDITS.—New technologies
10 developed using grants awarded pursuant to
11 subparagraph (A) shall undergo comprehensive
12 security audits to ensure such technologies are
13 secure and have not been compromised in a
14 manner detrimental to the interests of the
15 United States or to individuals or organizations
16 benefitting from programs supported by the
17 Open Technology Fund.

18 (2) FUNDING SOURCE.—The Secretary of State
19 is authorized to expend funds made available to the
20 Human Rights and Democracy Fund of the Bureau
21 of Democracy, Human Rights, and Labor of the De-
22 partment of State for each of fiscal years 2022 and
23 2023 for grants authorized under paragraph (1) by
24 any entity in the working group established under
25 subsection (c)(1).

1 (3) AUTHORIZATION OF APPROPRIATIONS.—

2 (A) OPEN TECHNOLOGY FUND.—In addi-
3 tion to the funds authorized to be expended
4 pursuant to paragraph (2), there are authorized
5 to be appropriated to the Open Technology
6 Fund of the United States Agency for Global
7 Media \$5,000,000 for each of fiscal years 2022
8 and 2023 for grants to carry out this sub-
9 section. Such amounts are in addition to any
10 amounts authorized to be appropriated for the
11 Open Technology Fund under section 1299P of
12 the National Defense Authorization Act for Fis-
13 cal Year 2021 (Public Law 116–283).

14 (B) BUREAU OF DEMOCRACY, HUMAN
15 RIGHTS, AND LABOR.—In addition to the funds
16 authorized to be expended pursuant to para-
17 graph (2), there are authorized to be appro-
18 priated to the Office of Internet Freedom Pro-
19 grams of the Bureau of Democracy, Human
20 Rights, and Labor of the Department of State
21 \$10,000,000 for each of fiscal years 2022 and
22 2023 to carry out this subsection.

23 (C) AVAILABILITY.—Amounts authorized
24 to be appropriated pursuant to subparagraphs

1 (A) and (B) shall remain available until ex-
2 pended.

3 (e) STRATEGIC PLANNING REPORT.—Not later than
4 120 days after the date of the enactment of this Act, the
5 Secretary of State and the working group under sub-
6 section (c)(1) shall submit to the appropriate congres-
7 sional committees a classified report that—

8 (1) describes the Federal Government’s plan to
9 bolster and increase the availability of Great Fire-
10 wall circumvention and internet freedom technology
11 in Hong Kong during fiscal year 2022;

12 (2) outlines a plan for—

13 (A) supporting the preservation of an
14 open, interoperable, reliable, and secure internet
15 in Hong Kong;

16 (B) increasing the supply of the technology
17 referred to in paragraph (1);

18 (C) accelerating the dissemination of such
19 technology;

20 (D) promoting the availability of internet
21 freedom in Hong Kong;

22 (E) utilizing presently-available tools in the
23 existing relevant portfolios for further use in
24 the unique context of Hong Kong;

1 (F) expanding the portfolio of tools in
2 order to diversify and strengthen the effective-
3 ness and resiliency of the circumvention efforts;

4 (G) providing training for high-risk groups
5 and individuals in Hong Kong; and

6 (H) detecting analyzing, and responding to
7 new and evolving censorship threats;

8 (3) includes a detailed description of the tech-
9 nical and fiscal steps necessary to safely implement
10 the plans referred to in paragraphs (1) and (2), in-
11 cluding an analysis of the market conditions in
12 Hong Kong;

13 (4) describes the Federal Government's plans
14 for awarding grants to private organizations for the
15 purposes described in subsection (d)(1)(A);

16 (5) outlines the working group's consultations
17 regarding the implementation of this section to en-
18 sure that all Federal efforts are aligned and well co-
19 ordinated; and

20 (6) outlines the Department of State's strategy
21 to influence global internet legal standards at inter-
22 national organizations and multilateral fora.

23 (f) DEFINITIONS.—In this section:

1 (1) APPROPRIATE CONGRESSIONAL COMMIT-
2 TEES.—The term “appropriate congressional com-
3 mittees” means—

4 (A) the Committee on Foreign Relations,
5 the Committee on Appropriations, and the Se-
6 lect Committee on Intelligence of the Senate;
7 and

8 (B) the Committee on Foreign Affairs, the
9 Committee on Appropriations, and the Perma-
10 nent Select Committee on Intelligence of the
11 House of Representatives.

12 (2) JOINT DECLARATION.—The term “Joint
13 Declaration” means the Joint Declaration of the
14 Government of the United Kingdom of Great Britain
15 and Northern Ireland and the Government of the
16 People’s Republic of China on the Question of Hong
17 Kong, done at Beijing on December 19, 1984.

18 **SEC. 30311. AUTHORIZATION OF APPROPRIATIONS FOR**
19 **PROTECTING HUMAN RIGHTS IN THE PEO-**
20 **PLE’S REPUBLIC OF CHINA.**

21 (a) IN GENERAL.—Amounts authorized to be appro-
22 priated or otherwise made available to carry out section
23 409 of the Asia Reassurance Initiative Act of 2019 (Public
24 Law 115–409) should include programs that prioritize the
25 protection and advancement of the freedoms of associa-

1 tion, assembly, religion, and expression for women, human
2 rights activists, and ethnic and religious minorities in the
3 People's Republic of China (PRC).

4 (b) USE OF FUNDS.—Amounts appropriated pursu-
5 ant to section 409 of the Asia Reassurance Initiative Act
6 of 2019 (Public Law 115–409) may be used to fund non-
7 governmental agencies within the Indo-Pacific region that
8 are focused on the issues described in subsection (a).

9 (c) CONSULTATION REQUIREMENT.—In carrying out
10 this section, the Assistant Secretary of Democracy,
11 Human Rights and Labor shall consult with the appro-
12 priate congressional committees and representatives of
13 civil society regarding—

14 (1) strengthening the capacity of the organiza-
15 tions referred to in subsection (b);

16 (2) protecting members of the groups referred
17 to in subsection (a) who have been targeted for ar-
18 rest, harassment, forced sterilizations, coercive abor-
19 tions, forced labor, or intimidation, including mem-
20 bers residing outside of the PRC; and

21 (3) messaging efforts to reach the broadest pos-
22 sible audiences within the PRC about United States
23 Government efforts to protect freedom of associa-
24 tion, expression, assembly, and the rights of ethnic
25 minorities.

1 **SEC. 30312. MODIFICATIONS TO AND REAUTHORIZATION OF**
2 **SANCTIONS WITH RESPECT TO HUMAN**
3 **RIGHTS VIOLATIONS.**

4 (a) **DEFINITIONS.**—Section 1262 of the Global
5 Magnitsky Human Rights Accountability Act (Subtitle F
6 of title XII of Public Law 114–328; 22 U.S.C. 2656 note)
7 is amended by striking paragraph (2).

8 (b) **SENSE OF CONGRESS.**—(1) The Global
9 Magnitsky Human Rights Accountability Act (Subtitle F
10 of title XII of Public Law 114–328; 22 U.S.C. 2656 note)
11 is amended by inserting after section 1262 the following
12 new section:

13 **“SEC. 1262A. SENSE OF CONGRESS.**

14 “It is the sense of Congress that the President should
15 establish and regularize information sharing and sanc-
16 tions-related decision making with like-minded govern-
17 ments possessing human rights and anti-corruption sanc-
18 tions programs similar in nature to those authorized under
19 this subtitle.”; and

20 (2) The table of contents in section 2(b) and in title
21 XII of division A of the National Defense Authorization
22 Act for Fiscal Year 2017 (Public Law 114–328) are each
23 amended by inserting after the items relating to section
24 1262 the following:

“Sec. 1262A. Sense of Congress.”.

25 (c) **IMPOSITION OF SANCTIONS.**—

1 (1) IN GENERAL.—Subsection (a) of section
2 1263 of the Global Magnitsky Human Rights Ac-
3 countability Act (Subtitle F of title XII of Public
4 Law 114–328; 22 U.S.C. 2656 note) is amended to
5 read as follows:

6 “(a) IN GENERAL.—The President may impose the
7 sanctions described in subsection (b) with respect to any
8 foreign person that the President determines, based on
9 credible information—

10 “(1) is responsible for or complicit in, or has di-
11 rectly or indirectly engaged in, serious human rights
12 abuse or any violation of internationally recognized
13 human rights;

14 “(2) is a current or former government official,
15 or a person acting for or on behalf of such an offi-
16 cial, who is responsible for or complicit in, or has di-
17 rectly or indirectly engaged in—

18 “(A) corruption; or

19 “(B) the transfer or facilitation of the
20 transfer of the proceeds of corruption;

21 “(3) is or has been a leader or official of—

22 “(A) an entity, including a government en-
23 tity, that has engaged in, or whose members
24 have engaged in, any of the activities described

1 in subparagraph (A) or (B) related to the ten-
2 ure of the leader or official; or

3 “(B) an entity whose property and inter-
4 ests in property are blocked pursuant to this
5 section as a result of activities related to the
6 tenure of the leader or official;

7 “(4) has materially assisted, sponsored, or pro-
8 vided financial, material, or technological support
9 for, or goods or services to or in support of—

10 “(A) an activity described in subparagraph
11 (A) or (B) that is conducted by a foreign per-
12 son;

13 “(B) a person whose property and inter-
14 ests in property are blocked pursuant to this
15 section; or

16 “(C) an entity, including a government en-
17 tity, that has engaged in, or whose members
18 have engaged in, an activity described in sub-
19 paragraph (A) or (B) conducted by a foreign
20 person; or

21 “(5) is owned or controlled by, or acts or is
22 purported to act for or on behalf of, directly or indi-
23 rectly, a person whose property and interests in
24 property are blocked pursuant to this section.”.

1 (2) CONSIDERATION OF CERTAIN INFORMA-
2 TION.—Subsection (c)(2) of such section is amended
3 by inserting “corruption and” after “monitor”.

4 (3) REQUESTS BY CONGRESS.—Subsection (d)
5 of such section is amended—

6 (A) in paragraph (1), in the matter pre-
7 ceding subparagraph (A), by striking “sub-
8 section (a)” and inserting “subsection (a)(1)”;

9 (B) in paragraph (2)—

10 (i) in subparagraph (A)—

11 (I) in the subparagraph heading,
12 by striking “HUMAN RIGHTS VIOLA-
13 TIONS” and inserting “SERIOUS
14 HUMAN RIGHTS ABUSE OR VIOLA-
15 TIONS OF INTERNATIONALLY RECOG-
16 NIZED HUMAN RIGHTS”; and

17 (II) by striking “described in
18 paragraph (1) or (2) of subsection
19 (a)” and inserting “described in sub-
20 section (a)(1) relating to serious
21 human rights abuse or any violation
22 of internationally recognized human
23 rights”; and

24 (ii) in subparagraph (B)—

1 (I) in the matter preceding clause
2 (i), by striking “described in para-
3 graph (3) or (4) of subsection (a)”
4 and inserting “described in subsection
5 (a)(1) relating to corruption or the
6 transfer or facilitation of the transfer
7 of the proceeds of corruption”; and

8 (II) by striking “ranking member
9 of” and all that follows through the
10 period at the end and inserting “rank-
11 ing member of one of the appropriate
12 congressional committees.”.

13 (d) REPORTS TO CONGRESS.—Section 1264(a) of the
14 Global Magnitsky Human Rights Accountability Act (Sub-
15 title F of title XII of Public Law 114–328; 22 U.S.C.
16 2656 note) is amended—

17 (1) in paragraph (5), by striking “; and” and
18 inserting a semicolon;

19 (2) in paragraph (6), by striking the period at
20 the end and inserting “;”; and

21 (3) by adding at the end the following:

22 “(7) a description of additional steps taken by
23 the President through diplomacy, international en-
24 gagement, and assistance to foreign or security sec-
25 tors to address persistent underlying causes of seri-

1 ous human rights abuse, violations of internationally
2 recognized human rights, and corruption in each
3 country in which foreign persons with respect to
4 which sanctions have been imposed under section
5 1263 are located; and

6 “(8) a description of additional steps taken by
7 the President to ensure the pursuit of judicial ac-
8 countability in appropriate jurisdictions with respect
9 to those foreign persons subject to sanctions under
10 section 1263 for serious human rights abuse, viola-
11 tions of internationally recognized human rights,
12 and corruption.”.

13 (e) REPEAL OF SUNSET.—(1) Section 1265 of the
14 Global Magnitsky Human Rights Accountability Act (Sub-
15 title F of title XII of Public Law 114–328; 22 U.S.C.
16 2656 note) is repealed.

17 (2) The table of contents in section 2(b) and in title
18 XII of division A of the National Defense Authorization
19 Act for Fiscal Year 2017 (Public Law 114–328) are each
20 amended by striking the items relating to section 1265.

21 **SEC. 30313. SENSE OF CONGRESS CONDEMNING ANTI-ASIAN**
22 **RACISM AND DISCRIMINATION.**

23 (a) FINDINGS.—Congress makes the following find-
24 ings:

1 (1) Since the onset of the COVID–19 pan-
2 demic, crimes and discrimination against Asians and
3 those of Asian descent have risen dramatically
4 worldwide. In May 2020, United Nations Secretary-
5 General Antonio Guterres said “the pandemic con-
6 tinues to unleash a tsunami of hate and xenophobia,
7 scapegoating and scare-mongering” and urged gov-
8 ernments to “act now to strengthen the immunity of
9 our societies against the virus of hate”.

10 (2) Asian American and Pacific Island (AAPI)
11 workers make up a large portion of the essential
12 workers on the frontlines of the COVID–19 pan-
13 demic, making up 8.5 percent of all essential
14 healthcare workers in the United States. AAPI
15 workers also make up a large share—between 6 per-
16 cent and 12 percent based on sector—of the bio-
17 medical field.

18 (3) The United States Census notes that Amer-
19 icans of Asian descent alone made up nearly 5.9 per-
20 cent of the United States population in 2019, and
21 that Asian Americans are the fastest-growing racial
22 group in the United States, projected to represent
23 14 percent of the United States population by 2065.

24 (b) SENSE OF CONGRESS.—It is the sense of Con-
25 gress that—

1 (1) the reprehensible attacks on people of Asian
2 descent and concerning increase in anti-Asian senti-
3 ment and racism in the United States and around
4 the world have no place in a peaceful, civilized, and
5 tolerant world;

6 (2) the United States is a diverse country with
7 a proud tradition of immigration, and the strength
8 and vibrancy of the United States is enhanced by
9 the diverse ethnic backgrounds and tolerance of its
10 citizens, including Asian Americans and Pacific Is-
11 landers;

12 (3) the United States Government should en-
13 courage foreign governments to use the official and
14 scientific names for the COVID–19 pandemic, as
15 recommended by the World Health Organization and
16 the Centers for Disease Control and Prevention; and

17 (4) the United States Government and other
18 governments around the world must actively oppose
19 racism and intolerance, and use all available and ap-
20 propriate tools to combat the spread of anti-Asian
21 racism and discrimination.

1 **SEC. 30314. ANNUAL REPORTING ON CENSORSHIP OF FREE**
2 **SPEECH WITH RESPECT TO INTERNATIONAL**
3 **ABUSES OF HUMAN RIGHTS.**

4 Section 116(d) of the Foreign Assistance Act of 1961
5 (227 U.S.C. 2151n(d)) is amended—

6 (1) in paragraph (11)(C), by striking “and” at
7 the end;

8 (2) in paragraph (12)(C)(ii), by striking the pe-
9 riod at the end and inserting a semicolon; and

10 (3) by adding at the end the following:

11 “(13) wherever applicable, instances in which
12 the government of each country has attempted to
13 extraterritorially intimidate or pressure a company
14 or entity to censor or self-censor the speech of its
15 employees, contractors, customers, or associated
16 staff with regards to the abuse of human rights in
17 such country, or sought retaliation against such em-
18 ployees or contractors for the same, including any
19 instance in which the Government of the People’s
20 Republic of China has sought to extraterritorially
21 censor or punish speech that is otherwise legal in the
22 United States on the topics of—

23 “(A) repression and violation of funda-
24 mental freedoms in Hong Kong;

25 “(B) repression and persecution of reli-
26 gious and ethnic minorities in China, including

1 in the Xinjiang Uyghur Autonomous Region
2 and the Tibet Autonomous Region;

3 “(C) efforts to proliferate and use surveil-
4 lance technologies to surveil activists, journal-
5 ists, opposition politicians, or to profile persons
6 of different ethnicities; and

7 “(D) other gross violations of human
8 rights; and

9 “(14) wherever applicable, instances in which a
10 company or entity located in or based in a third
11 country has censored or self-censored the speech of
12 its employees, contractors, customers, or associated
13 staff on the topic of abuse of human rights in each
14 country or sought to retaliate against such employ-
15 ees for the same, due to intimidation or pressure
16 from or the fear of intimidation by the foreign gov-
17 ernment.”.

18 **SEC. 30315. POLICY TOWARD THE XXIV OLYMPIC WINTER**
19 **GAMES AND THE XIII PARALYMPIC WINTER**
20 **GAMES.**

21 (a) FINDINGS.—Congress finds the following:

22 (1) In October 2020, 39 countries at the
23 United Nations Third Committee of the General As-
24 sembly appealed for action on the mass arbitrary de-
25 tentions and other crimes against the Uyghur Mus-

1 lim population of the Xinjiang Uyghur Autonomous
2 Region.

3 (2) The 2018 concluding observations of the
4 United Nations Committee on the Elimination of
5 Racial Discrimination decried reports of mass arbitrary
6 detention of Uyghurs.

7 (3) Over 400 international nongovernmental organizations
8 have joined together to decry the mass
9 arbitrary detentions of Uyghurs in the Xinjiang
10 Uyghur Autonomous Region.

11 (4) The Olympic Charter states that the practice of sport
12 “is a human right” that “shall be secured without discrimination of any kind, such as
13 race, colour, sex, sexual orientation, language, religion, political or other opinion, national or social origin,
14 property, birth or other status”, a right that by
15 definition cannot be secured in a country in which
16 over 1,000,000 people are imprisoned in camps because of their race, language, and religion.
17
18
19

20 (5) The 2008 Olympics in Beijing were accompanied by widespread tracking, arrest, and intimidation
21 of foreign journalists and bloggers, as well as
22 restrictions on movement of journalists, contrary to
23 explicit commitments made by the Government of
24

1 the People's Republic of China (PRC) to the Inter-
2 national Olympic Committee.

3 (6) The Government of the PRC denied visas
4 for some journalists granted press accreditation for
5 the 2008 Olympic Games, and the Beijing
6 Organising Committee of the Olympic Games repeat-
7 edly refused to address incidents involving freedom
8 of expression.

9 (7) The International Olympic Committee faced
10 broad criticism for failing to adequately anticipate
11 infringements by the Government of the PRC's on
12 freedom of expression and press for international
13 media and 2008 Olympics participants, and failing
14 to hold the Government of the PRC to their own
15 commitments to safeguard human rights during the
16 2008 games.

17 (b) SENSE OF CONGRESS.—It is the sense of Con-
18 gress that the International Olympic Committee should—

19 (1) consider that the Olympic Charter's prin-
20 ciples of solidarity and nondiscrimination are hard to
21 reconcile with holding the 2022 Winter Games in a
22 country the government of which stands credibly ac-
23 cused of perpetrating crimes against humanity and
24 genocide against ethnic and religious minorities;

1 (2) take into account the recent precedent of
2 the 2008 games, at which Olympic athletes, spec-
3 tators, and international media had their funda-
4 mental freedoms severely challenged, and the likely
5 limitations the Government of the PRC will seek to
6 enforce on participants speaking out about ongoing
7 persecution of the Uyghurs and other human rights
8 abuses in the PRC, despite repeated commitments
9 by the Government of the PRC;

10 (3) emphasize that the International Olympic
11 Committee is not opposed to moving an Olympic
12 competition in all circumstances, and should imme-
13 diately rebid the 2022 Winter Olympic Games to be
14 hosted by a country that recognizes and respects
15 human rights;

16 (4) affirm the International Olympic Commit-
17 tee's—

18 (A) desire to stay above politics does not
19 permit turning a blind eye to mass atrocity
20 crimes, which cannot and should not be dis-
21 missed as mere political concerns; and

22 (B) commitment to the fundamental rights
23 instruments of the international system, which
24 are beyond partisan or domestic policy, and

1 upon which the success of the entire Olympic
2 project depends;

3 (5) propose a set of clear, executable actions to
4 be taken by the International Olympic Committee
5 upon infringement of freedom of expression by a
6 host country's government during any Olympics
7 event, including the 2022 Winter Olympics, against
8 athletes, participants, and international media; and

9 (6) rescind Rule 50 of the Olympic Charter,
10 which restricts the freedom of expression by athletes
11 when competing during Olympics events, and affirm
12 the rights of athletes to political and other speech
13 during athletic competitions, including speech that is
14 critical of their host countries.

15 (c) STATEMENT OF POLICY.—It shall be the policy
16 of the United States—

17 (1) to implement a presidential and cabinet
18 level diplomatic boycott of the XXIV Olympic Winter
19 Games and the XIII Paralympic Winter Games in
20 the PRC;

21 (2) to encourage other nations, especially demo-
22 cratic partners and allies, to do the same; and

23 (3) to call for an end to the Chinese Communist
24 Party's ongoing human rights abuses, including the
25 Uyghur genocide.

1 **SEC. 30316. REVIEW AND CONTROLS ON EXPORT OF ITEMS**
2 **WITH CRITICAL CAPABILITIES TO ENABLE**
3 **HUMAN RIGHTS ABUSES.**

4 (a) STATEMENT OF POLICY.—It is the policy of the
5 United States to use export controls to the extent nec-
6 essary to further the protection of internationally recog-
7 nized human rights.

8 (b) REVIEW OF ITEMS WITH CRITICAL CAPABILITIES
9 TO ENABLE HUMAN RIGHTS ABUSES.—Not later than
10 180 days after the date of the enactment of this Act, and
11 as appropriate thereafter, the Secretary, in coordination
12 with the Secretary of State, the Director of National Intel-
13 ligence, and the heads of other Federal agencies as appro-
14 priate, shall conduct a review of items subject to controls
15 for crime control reasons pursuant to section 742.7 of the
16 Export Administration Regulations.

17 (c) CONTROLS.—In furtherance of the policy set forth
18 in subsection (a), not later than 60 days after completing
19 the review required by subsection (b), the Secretary, in
20 coordination with the heads of other Federal agencies as
21 appropriate, shall determine whether additional export
22 controls are needed to protect human rights, including
23 whether—

24 (1) controls for crime control reasons pursuant
25 to section 742.7 of the Export Administration Regu-
26 lations should be imposed on additional items, in-

1 including items with critical capabilities to enable
2 human rights abuses involving—

3 (A) censorship or social control;

4 (B) surveillance, interception, or restriction
5 of communications;

6 (C) monitoring or restricting access to or
7 use of the internet;

8 (D) identification of individuals through
9 facial or voice recognition or biometric indica-
10 tors; or

11 (E) DNA sequencing; or

12 (2) end-use and end-user controls should be im-
13 posed on the export, reexport, or in-country transfer
14 of certain items with critical capabilities to enable
15 human rights abuses that are subject to the Export
16 Administration Regulations if the person seeking to
17 export, reexport, or transfer the item has knowledge,
18 or the Secretary determines and so informs that per-
19 son, that the end-user or ultimate consignee will use
20 the item to enable human rights abuses.

21 (d) COOPERATION OF OTHER AGENCIES.—Upon re-
22 quest from the Secretary, the head of a Federal agency
23 shall provide full support and cooperation to the Secretary
24 in carrying out this section.

1 (e) INTERNATIONAL COORDINATION ON CONTROLS
2 TO PROTECT HUMAN RIGHTS.—It shall be the policy of
3 the United States to seek to secure the cooperation of
4 other governments to impose export controls that are con-
5 sistent, to the extent possible, with the controls imposed
6 under this section.

7 (f) CONFORMING AMENDMENT.—Section 1752(2)(A)
8 of the Export Control Reform Act of 2018 (50 U.S.C. 20
9 4811(2)(A)) is amended—

10 (1) in clause (iv), by striking “; or” and insert-
11 ing a semicolon;

12 (2) in clause (v), by striking the period and in-
13 serting “; or”; and

14 (3) by adding at the end the following:

15 “(vi) serious human rights abuses.”.

16 (g) DEFINITIONS.—In this section:

17 (1) END-USER; KNOWLEDGE; ULTIMATE CON-
18 SIGNEE.—The terms “end-user”, “knowledge”, and
19 “ultimate consignee” have the meanings given those
20 terms in section 772.1 of the Export Administration
21 Regulations.

22 (2) EXPORT; EXPORT ADMINISTRATION REGU-
23 LATIONS; IN-COUNTRY TRANSFER; ITEM; REEX-
24 PORT.—The terms “export”, “Export Administra-
25 tion Regulations”, “in-country transfer”, “item”,

1 and “reexport” have the meanings given those terms
2 in section 1742 of the Export Control Reform Act
3 of 2018 (50 U.S.C. 4801).

4 (3) SECRETARY.—The term “Secretary” means
5 the Secretary of Commerce.

6 **SEC. 30317. SENSE OF CONGRESS ON COMMERCIAL EXPORT**
7 **CONTROL POLICY.**

8 It is the sense of Congress that the President should
9 reexamine United States commercial export control policy
10 for any country, including the People’s Republic of China,
11 that is known to supply arms or dual use items to any
12 country the government of which has been designated pur-
13 suant to any applicable provision of law as a state sponsor
14 of terrorism or to any entity designated by the Secretary
15 of State as a foreign terrorist organization.

16 **SEC. 30318. IMPOSITION OF SANCTIONS WITH RESPECT TO**
17 **SYSTEMATIC RAPE, COERCIVE ABORTION,**
18 **FORCED STERILIZATION, OR INVOLUNTARY**
19 **CONTRACEPTIVE IMPLANTATION IN THE**
20 **XINJIANG UYGHUR AUTONOMOUS REGION.**

21 (a) IN GENERAL.—Section 6(a)(1) of the Uyghur
22 Human Rights Policy Act of 2020 (Public Law 116–145;
23 22 U.S.C. 6901 note) is amended by inserting after sub-
24 paragraph (E) the following:

1 “(F) Systematic rape, coercive abortion,
2 forced sterilization, or involuntary contraceptive
3 implantation policies and practices.”.

4 (b) EFFECTIVE DATE; APPLICABILITY.—The amend-
5 ment made by subsection (a)—

6 (1) takes effect on the date of the enactment of
7 this Act; and

8 (2) applies with respect to the first report re-
9 quired by section 6(a)(1) of the Uyghur Human
10 Rights Policy Act of 2020 submitted after such date
11 of enactment.

12 **SEC. 30319. SENSE OF CONGRESS REGARDING CENSORSHIP**
13 **OF POLITICAL SPEECH.**

14 (a) FINDINGS.—Congress finds the following:

15 (1) The People’s Republic of China censors po-
16 litical speech of throughout the country through
17 many means including through mass censorship of
18 the Internet, the Great Firewall, radical curtailment
19 of the freedom of the press.

20 (2) The PRC employs several other means to
21 stifle dissent including instigating private person to
22 target dissenting individuals and private companies
23 to target offending companies.

24 (b) SENSE OF CONGRESS.—It is the sense of Con-
25 gress that—

1 (1) censorship of political speech in China is
2 contrary to the human rights of the Chinese people;

3 (2) censorship of political speech, whether con-
4 ducted by the government, or private or quasi-pri-
5 vate entities is antithetical to United States values
6 and interests; and

7 (3) the democratic way to conduct political dis-
8 putes is through argument and persuasion, not force
9 or political speech.

10 **SEC. 30320. REPORT ON MANNER AND EXTENT TO WHICH**
11 **THE GOVERNMENT OF CHINA EXPLOITS**
12 **HONG KONG TO CIRCUMVENT UNITED**
13 **STATES LAWS AND PROTECTIONS.**

14 Title III of the United States-Hong Kong Policy Act
15 of 1992 (22 U.S.C. 5731 et seq.) is amended by adding
16 at the end the following:

17 **“SEC. 303. REPORT ON MANNER AND EXTENT TO WHICH**
18 **THE GOVERNMENT OF CHINA EXPLOITS**
19 **HONG KONG TO CIRCUMVENT UNITED**
20 **STATES LAWS AND PROTECTIONS.**

21 “(a) IN GENERAL.—Not later than 180 days after
22 the date of the enactment of this section, the Secretary
23 of State shall submit to the appropriate congressional
24 committees a report on the manner and extent to which
25 the Government of China uses the status of Hong Kong

1 to circumvent the laws and protections of the United
2 States.

3 “(b) ELEMENTS.—The report required by subsection
4 (a) shall include the following:

5 “(1) In consultation with the Secretary of Com-
6 merce, the Secretary of Homeland Security, and the
7 Director of National Intelligence—

8 “(A) an assessment of how the Govern-
9 ment of China uses Hong Kong to circumvent
10 United States export controls; and

11 “(B) a list of all significant incidents in
12 which the Government of China used Hong
13 Kong to circumvent such controls during the re-
14 porting period.

15 “(2) In consultation with the Secretary of the
16 Treasury and the Secretary of Commerce—

17 “(A) an assessment of how the Govern-
18 ment of China uses Hong Kong to circumvent
19 duties on merchandise exported to the United
20 States from the People’s Republic of China; and

21 “(B) a list of all significant incidents in
22 which the Government of China used Hong
23 Kong to circumvent such duties during the re-
24 porting period.

1 “(3) In consultation with the Secretary of the
2 Treasury, the Secretary of Homeland Security, and
3 the Director of National Intelligence—

4 “(A) an assessment of how the Govern-
5 ment of China uses Hong Kong to circumvent
6 sanctions imposed by the United States or pur-
7 suant to multilateral regimes; and

8 “(B) a list of all significant incidents in
9 which the Government of China used Hong
10 Kong to circumvent such sanctions during the
11 reporting period.

12 “(4) In consultation with the Secretary of
13 Homeland Security and the Director of National In-
14 telligence, an assessment of how the Government of
15 China uses formal or informal means to extradite or
16 coercively move individuals, including United States
17 persons, from Hong Kong to the People’s Republic
18 of China.

19 “(5) In consultation with the Secretary of De-
20 fense, the Director of National Intelligence, and the
21 Director of Homeland Security—

22 “(A) an assessment of how the intelligence,
23 security, and law enforcement agencies of the
24 Government of China, including the Ministry of
25 State Security, the Ministry of Public Security,

1 and the People's Armed Police, use the Hong
2 Kong Security Bureau and other security agen-
3 cies in Hong Kong to conduct espionage on for-
4 eign nationals, including United States persons,
5 conduct influence operations, or violate civil lib-
6 erties guaranteed under the laws of Hong
7 Kong; and

8 “(B) a list of all significant incidents of
9 such espionage, influence operations, or viola-
10 tions of civil liberties during the reporting pe-
11 riod.

12 “(c) FORM OF REPORT; AVAILABILITY.—

13 “(1) FORM.—The report required by subsection
14 (a) shall be submitted in unclassified form, but may
15 include a classified index.

16 “(2) AVAILABILITY.—The unclassified portion
17 of the report required by subsection (a) shall be
18 posted on a publicly available internet website of the
19 Department of State.

20 “(d) DEFINITIONS.—In this section:

21 “(1) APPROPRIATE CONGRESSIONAL COMMIT-
22 TEES.—The term ‘appropriate congressional com-
23 mittees’ means—

24 “(A) the Committee on Foreign Relations,
25 the Committee on Banking, Housing, and

1 Urban Affairs, the Committee on Finance, and
2 the Select Committee on Intelligence of the
3 Senate; and

4 “(B) the Committee on Foreign Affairs,
5 the Committee on Financial Services, the Per-
6 manent Select Committee on Intelligence, and
7 the Committee on Ways and Means of the
8 House of Representatives.

9 “(2) FOREIGN NATIONAL.—The term ‘foreign
10 national’ means a person that is neither—

11 “(A) an individual who is a citizen or na-
12 tional of the People’s Republic of China; or

13 “(B) an entity organized under the laws of
14 the People’s Republic of China or of a jurisdic-
15 tion within the People’s Republic of China.

16 “(3) REPORTING PERIOD.—The term ‘reporting
17 period’ means the 5-year period preceding submis-
18 sion of the report required by subsection (a).

19 “(4) UNITED STATES PERSON.—The term
20 ‘United States person’ means—

21 “(A) a United States citizen or an alien
22 lawfully admitted for permanent residence to
23 the United States; or

24 “(B) an entity organized under the laws of
25 the United States or of any jurisdiction within

1 the United States, including a foreign branch of
2 such an entity.”.

3 **SEC. 30321. SENSE OF CONGRESS REGARDING ANNUAL**
4 **COUNTRY REPORTS ON HUMAN RIGHTS**
5 **PRACTICES.**

6 It is the sense of Congress that the Department of
7 State’s annual Country Reports on Human Rights Prac-
8 tices should include relevant information regarding wheth-
9 er a particular country has provided assistance to the PRC
10 or any entity under the influence of the Chinese Com-
11 munist Party in its genocide against the Uyghurs, includ-
12 ing through the forcible repatriation of Uyghurs to the
13 PRC without reasonable opportunity for them to be as-
14 sessed and protected as refugees.

15 **SEC. 30322. SENSE OF CONGRESS REGARDING PRESS FREE-**
16 **DOM IN THE PEOPLE’S REPUBLIC OF CHINA.**

17 (a) FINDINGS.—Congress finds that the People’s Re-
18 public of China maintains one of the worst media environ-
19 ments in the world and seeks to curtail political speech
20 inside and outside the country, including by—

21 (1) targeting independent and foreign media in
22 China through systematic harassment including the
23 denial of visas to foreign journalists, imprisonment,
24 the denial of medical care to imprisoned journalists,
25 and curtailing access to legal representation;

1 (2) pervasively monitoring and censoring online
2 and social media content, including through the ban-
3 ning of virtual private networks;

4 (3) using the full force of the State to stifle in-
5 ternal dissent including dissent online, particularly
6 dissent that could lead to political change and con-
7 tent that criticizes China’s leaders, however trivial,
8 reportedly even to the point of censoring compari-
9 sons of Xi Jinping’s looks with Winnie the Pooh;

10 (4) spreading propaganda to foreign audiences
11 through the United Front Work Department and re-
12 lated activities;

13 (5) seeking to intimidate American-based jour-
14 nalists working for Radio Free Asia and reporting
15 on gross human rights violations in China’s Xinjiang
16 Uyghur Autonomous Region by jailing or otherwise
17 harassing members of their families; and

18 (6) championing a “sovereign Internet” model
19 and exporting technology to enhance the ability of
20 like-minded authoritarian regimes to suppress dis-
21 sent online and monitor the activity of their people.

22 (b) SENSE OF CONGRESS.—It is the sense of Con-
23 gress that—

1 (1) the freedom of the press is an unalienable
2 right that is necessary for citizens to hold their gov-
3 ernment to account;

4 (2) the PRC should cease its repression of jour-
5 nalists, citizen journalists, news organizations; and

6 (3) the PRC should cease the censorship of po-
7 litical satire, including comparisons of Xi Jinping's
8 looks with Winnie the Pooh.

9 **SEC. 30323. UNITED STATES SPECIAL ENVOY FOR XINJIANG**
10 **PROVINCE.**

11 (a) IN GENERAL.—The Secretary of State shall es-
12 tablish within the Department of State the position of
13 United States Special Envoy for Xinjiang Province (in this
14 section referred to as the “Special Envoy”).

15 (b) APPOINTMENT.—The Secretary may appoint an
16 individual to the position of Special Envoy from among
17 officers and employees of the Department of State. The
18 Secretary may allow such officer or employee to retain the
19 position (and the responsibilities associated with such po-
20 sition) held by such officer or employee prior to the ap-
21 pointment of such officer or employee to the position of
22 Special Envoy.

23 (c) DUTIES.—The Special Envoy shall coordinate
24 diplomatic, political, public diplomacy, financial assist-
25 ance, sanctions, counterterrorism, security resources, and

1 congressional reporting requirements within the United
2 States Government to respond to the gross violations of
3 universally recognized human rights occurring in Xinjiang
4 Province of the People's Republic of China, including by
5 addressing—

6 (1) the mass detentions of Uyghurs and other
7 predominantly Muslim ethnic minorities;

8 (2) the deployment of technologically advanced
9 surveillance and police detection methods; and

10 (3) the counterterrorism and counter-radicalism
11 claims used to justify the policies of the Chinese
12 Government in Xinjiang Province.

13 **SEC. 30324. CHINA CENSORSHIP MONITOR AND ACTION**
14 **GROUP.**

15 (a) REPORT ON CENSORSHIP AND INTIMIDATION OF
16 UNITED STATES PERSONS BY THE GOVERNMENT OF THE
17 PEOPLE'S REPUBLIC OF CHINA.—

18 (1) REPORT.—

19 (A) IN GENERAL.—Not later than 90 days
20 after the date of the enactment of this Act, the
21 Secretary of State shall select and seek to enter
22 into an agreement with a qualified research en-
23 tity that is independent of the Department of
24 State to write a report on censorship and in-
25 timidation in the United States and its posses-

1 sions and territories of United States persons,
2 including United States companies that conduct
3 business in the People’s Republic of China,
4 which is directed or directly supported by the
5 Government of the People’s Republic of China.

6 (B) MATTERS TO BE INCLUDED.—The re-
7 port required under subparagraph (A) shall—

8 (i) assess major trends, patterns, and
9 methods of the Government of the People’s
10 Republic of China’s efforts to direct or di-
11 rectly support censorship and intimidation
12 of United States persons, including United
13 States companies that conduct business in
14 the People’s Republic of China, which are
15 exercising their right to freedom of speech;

16 (ii) assess, including through the use
17 of illustrative examples, as appropriate, the
18 impact on and consequences for United
19 States persons, including United States
20 companies that conduct business in the
21 People’s Republic of China, that criticize—

22 (I) the Government of the Peo-
23 ple’s Republic of China;

24 (II) the Chinese Communist
25 Party;

1 (III) the authoritarian model of
2 government of the People's Republic
3 of China; or

4 (IV) a particular policy advanced
5 by the Chinese Communist Party or
6 the Government of the People's Re-
7 public of China;

8 (iii) identify the implications for the
9 United States of the matters described in
10 clauses (i) and (ii);

11 (iv) assess the methods and evaluate
12 the efficacy of the efforts by the Govern-
13 ment of the People's Republic of China to
14 limit freedom of expression in the private
15 sector, including with respect to media, so-
16 cial media, film, education, travel, financial
17 services, sports and entertainment, tech-
18 nology, telecommunication, and internet in-
19 frastructure interests;

20 (v) include policy recommendations
21 for the United States Government, includ-
22 ing recommendations regarding collabora-
23 tion with United States allies and partners,
24 to address censorship and intimidation by

1 the Government of the People’s Republic of
2 China; and

3 (vi) include policy recommendations
4 for United States persons, including
5 United States companies that conduct
6 business in China, to address censorship
7 and intimidation by the Government of the
8 People’s Republic of China.

9 (C) APPLICABILITY TO UNITED STATES
10 ALLIES AND PARTNERS.—To the extent prac-
11 ticable, the report required under subparagraph
12 (A) should identify implications and policy rec-
13 ommendations that are relevant to United
14 States allies and partners facing censorship and
15 intimidation directed or directly supported by
16 the Government of the People’s Republic of
17 China.

18 (2) SUBMISSION OF REPORT.—

19 (A) IN GENERAL.—Not later than one year
20 after the date of the enactment of this Act, the
21 Secretary of State shall submit the report writ-
22 ten by the qualified research entity selected
23 pursuant to paragraph (1)(A) to the appro-
24 priate congressional committees.

1 (B) PUBLICATION.—The report referred to
2 in subparagraph (A) shall be made accessible to
3 the public online through relevant United
4 States Government websites.

5 (3) FEDERAL GOVERNMENT SUPPORT.—The
6 Secretary of State and other Federal agencies se-
7 lected by the President shall provide the qualified re-
8 search entity selected pursuant to paragraph (1)(A)
9 with timely access to appropriate information, data,
10 resources, and analyses necessary for such entity to
11 write the report described in paragraph (1) in a
12 thorough and independent manner.

13 (b) CHINA CENSORSHIP MONITOR AND ACTION
14 GROUP.—

15 (1) CERTIFICATION.—Upon receipt and review
16 of the report described in subsection (a), the Presi-
17 dent shall make a determination on whether the
18 Government of the People’s Republic of China en-
19 gages in the censorship and intimidation of United
20 States persons, including United States companies
21 that conduct business in the People’s Republic of
22 China, which are exercising their right to freedom of
23 speech, taking into account the contents of the re-
24 port and other information available to the govern-
25 ment of the United States.

1 (2) IN GENERAL.—If there is a determination
2 under paragraph (1) that the Government of the
3 People’s Republic of China engages in the censorship
4 and intimidation of United States persons, including
5 United States companies that conduct business in
6 the People’s Republic of China, which are exercising
7 their right to freedom of speech, the President shall
8 establish an interagency task force, which shall be
9 known as the “China Censorship Monitor and Action
10 Group” (referred to in this section as the “Task
11 Force”).

12 (3) MEMBERSHIP.—If, upon receipt and review
13 of the report described in subsection (a), he deems
14 it in the national interest, the President shall—

15 (A) appoint the chair of the Task Force
16 from among the staff of the National Security
17 Council;

18 (B) appoint the vice chair of the Task
19 Force from among the staff of the National
20 Economic Council; and

21 (C) direct the head of each of the following
22 executive branch agencies to appoint personnel
23 to participate in the Task Force:

24 (i) The Department of State.

25 (ii) The Department of Commerce.

1 (iii) The Department of the Treasury.

2 (iv) The Department of Justice.

3 (v) The Office of the United States
4 Trade Representative.

5 (vi) The Office of the Director of Na-
6 tional Intelligence, and other appropriate
7 elements of the intelligence community (as
8 defined in section 3 of the National Secu-
9 rity Act of 1947 (50 U.S.C. 3003)).

10 (vii) The Federal Communications
11 Commission.

12 (viii) The United States Agency for
13 Global Media.

14 (ix) Other agencies designated by the
15 President.

16 (4) RESPONSIBILITIES.—The Task Force
17 shall—

18 (A) oversee the development and execution
19 of an integrated Federal Government strategy
20 to monitor and address the impacts of efforts
21 directed, or directly supported, by the Govern-
22 ment of the People’s Republic of China to cen-
23 sor or intimidate, in the United States or in
24 any of its possessions or territories, any United
25 States person, including United States compa-

1 nies that conduct business in the People’s Re-
2 public of China, which are exercising their right
3 to freedom of speech; and

4 (B) submit the strategy developed pursu-
5 ant to subparagraph (A) to the appropriate
6 congressional committees not later than 120
7 days after the date of the enactment of this
8 Act.

9 (5) MEETINGS.—The Task Force shall meet
10 not less frequently than twice per year.

11 (6) CONSULTATIONS.—The Task Force should
12 regularly consult, to the extent necessary and appro-
13 priate, with—

14 (A) Federal agencies that are not rep-
15 resented on the Task Force;

16 (B) independent agencies of the United
17 States Government that are not represented on
18 the Task Force;

19 (C) relevant stakeholders in the private
20 sector and the media; and

21 (D) relevant stakeholders among United
22 States allies and partners facing similar chal-
23 lenges related to censorship or intimidation by
24 the Government of the People’s Republic of
25 China.

1 (7) REPORTING REQUIREMENTS.—

2 (A) ANNUAL REPORT.—The Task Force
3 shall submit an annual report to the appro-
4 priate congressional committees that describes,
5 with respect to the reporting period—

6 (i) the strategic objectives and policies
7 pursued by the Task Force to address the
8 challenges of censorship and intimidation
9 of United States persons while in the
10 United States or any of its possessions or
11 territories, which is directed or directly
12 supported by the Government of the Peo-
13 ple's Republic of China;

14 (ii) the activities conducted by the
15 Task Force in support of the strategic ob-
16 jectives and policies referred to in clause
17 (i); and

18 (iii) the results of the activities re-
19 ferred to in clause (ii) and the impact of
20 such activities on the national interests of
21 the United States.

22 (B) FORM OF REPORT.—Each report sub-
23 mitted pursuant to subparagraph (A) shall be
24 unclassified, but may include a classified annex.

1 (C) CONGRESSIONAL BRIEFINGS.—Not
2 later than 90 days after the date of the enact-
3 ment of this Act, and annually thereafter, the
4 Task Force shall provide briefings to the appro-
5 priate congressional committees regarding the
6 activities of the Task Force to execute the
7 strategy developed pursuant to paragraph
8 (3)(A).

9 (c) SUNSET.—This section shall terminate on the
10 date that is five years after the date of the enactment of
11 this Act.

12 (d) DEFINITIONS.—In this section:

13 (1) QUALIFIED RESEARCH ENTITY.—The term
14 “qualified research entity” means an entity that—

15 (A) is a nonpartisan research organization
16 or a federally funded research and development
17 center;

18 (B) has appropriate expertise and analyt-
19 ical capability to write the report required
20 under **[section 3]** **[update cross reference?]**;
21 and

22 (C) is free from any financial, commercial,
23 or other entanglements, which could undermine
24 the independence of such report or create a

1 conflict of interest or the appearance of a con-
2 flict of interest, with—

3 (i) the Government of the People’s
4 Republic of China;

5 (ii) the Chinese Communist Party;

6 (iii) any company incorporated in the
7 People’s Republic of China or a subsidiary
8 of such company; or

9 (iv) any company or entity incor-
10 porated outside of the People’s Republic of
11 China that is believed to have a substantial
12 financial or commercial interest in the Peo-
13 ple’s Republic of China.

14 (2) UNITED STATES PERSON.—The term
15 “United States person” means—

16 (A) a United States citizen or an alien law-
17 fully admitted for permanent residence to the
18 United States; or

19 (B) an entity organized under the laws of
20 the United States or any jurisdiction within the
21 United States, including a foreign branch of
22 such an entity.

1 **SEC. 30325. PUBLIC DISCLOSURE ON BIS LICENSING INFOR-**
2 **MATION.**

3 The Committee on Foreign Affairs of the House of
4 Representatives shall make aggregate statistics on licens-
5 ing information, ensuring all confidential business infor-
6 mation is protected, for PRC companies on the Entity List
7 contained in the Export Administration Regulations avail-
8 able to the public.

9 **TITLE IV—INVESTING IN OUR**
10 **ECONOMIC STATECRAFT**

11 **SEC. 30401. SENSE OF CONGRESS REGARDING THE PEO-**
12 **PLE'S REPUBLIC OF CHINA'S INDUSTRIAL**
13 **POLICY.**

14 It is the sense of Congress that—

15 (1) the challenges presented by a nonmarket
16 economy like the economy of the People's Republic
17 of China (PRC), which has captured such a large
18 share of global economic exchange, are in many
19 ways unprecedented and require sufficiently elevated
20 and sustained long-term focus and engagement;

21 (2) in order to truly address the most detri-
22 mental aspects of Chinese Communist Party (CCP)-
23 directed mercantilist economic strategy, the United
24 States must adopt policies that—

25 (A) expose the full scope and scale of intel-
26 lectual property theft and mass subsidization of

1 Chinese firms, and the resulting harm to the
2 United States, foreign markets, and the global
3 economy;

4 (B) ensure that PRC companies face costs
5 and consequences for anticompetitive behavior;

6 (C) provide options for affected United
7 States persons to address and respond to un-
8 reasonable and discriminatory CCP-directed in-
9 dustrial policies; and

10 (D) strengthen the protection of critical
11 technology and sensitive data, while still fos-
12 tering an environment that provides incentives
13 for secure but open investment, innovation, and
14 competition;

15 (3) the United States must work with its allies
16 and partners and multilateral venues and fora—

17 (A) to reinforce long-standing generally ac-
18 cepted principles of fair competition and market
19 behavior and address the PRC's anticompetitive
20 economic and industrial policies that undermine
21 decades of global growth and innovation;

22 (B) to ensure that the PRC is not granted
23 the same treatment as that of a free-market
24 economy until it ceases the implementation of
25 laws, regulations, policies, and practices that

1 provide unfair advantage to PRC firms in fur-
2 therance of national objectives and impose un-
3 reasonable, discriminatory, and illegal burdens
4 on market-based international commerce; and

5 (C) to align policies with respect to curbing
6 state-directed subsidization of the private sec-
7 tor, such as advocating for global rules related
8 to transparency and adherence to notification
9 requirements, including through the efforts cur-
10 rently being advanced by the United States,
11 Japan, and the European Union;

12 (4) the United States and its allies and part-
13 ners must collaborate to provide incentives to their
14 respective companies to cooperate in areas such as—

15 (A) advocating for protection of intellectual
16 property rights in markets around the world;

17 (B) fostering open technical standards;
18 and

19 (C) increasing joint investments in over-
20 seas markets; and

21 (5) the United States should develop policies
22 that—

23 (A) insulate United States entities from
24 PRC pressure against complying with United
25 States laws;

1 (B) together with the work of allies and
2 partners and multilateral institutions, counter
3 the potential impact of the blocking regime of
4 the PRC established by the Ministry of Com-
5 merce of the PRC on January 9, 2021, when
6 it issued Order No. 1 of 2021, entitled “Rules
7 on Counteracting Unjustified Extraterritorial
8 Application of Foreign Legislation and other
9 Measures”; and

10 (C) plan for future actions that the Gov-
11 ernment of the PRC may take to undermine the
12 lawful application of United States legal au-
13 thorities, including with respect to the use of
14 sanctions.

15 **SEC. 30402. ECONOMIC DEFENSE RESPONSE TEAMS.**

16 (a) PILOT PROGRAM.—Not later than 180 days after
17 the date of the enactment of this Act, the President shall
18 develop and implement a pilot program for the creation
19 of deployable economic defense response teams to help
20 provide emergency technical assistance and support to a
21 country subjected to the threat or use of coercive economic
22 measures (in this section referred to as a “partner coun-
23 try”) and to play a liaison role between the legitimate gov-
24 ernment of that country and the United States Govern-

1 ment. Such assistance and support may include the fol-
2 lowing activities:

3 (1) Reducing the partner country's vulnerability
4 to coercive economic measures.

5 (2) Minimizing the damage that such measures
6 by an adversary could cause to the partner country.

7 (3) Implementing any bilateral or multilateral
8 contingency plans that may exist for responding to
9 the threat or use of such measures.

10 (4) In coordination with the partner country,
11 developing or improving plans and strategies by the
12 country for reducing vulnerabilities and improving
13 responses to such measures in the future.

14 (5) Assisting the partner country in dealing
15 with foreign sovereign investment in infrastructure
16 or related projects that may undermine the partner
17 country's sovereignty.

18 (6) Assisting the partner country in responding
19 to specific efforts from an adversary attempting to
20 employ economic coercion that undermines the part-
21 ner country's sovereignty, including efforts in the
22 cyber domain, such as efforts that undermine cyber-
23 security or digital security of the partner country or
24 initiatives that introduce digital technologies in a

1 manner that undermines freedom, security, and sov-
2 ereignty of the partner country.

3 (7) Otherwise providing direct and relevant
4 short-to-medium term economic or other assistance
5 from the United States and marshalling other re-
6 sources in support of effective responses to such
7 measures.

8 (b) REPORTS REQUIRED.—

9 (1) REPORT ON ESTABLISHMENT.—Upon estab-
10 lishment of the pilot program required by subsection
11 (a), the Secretary of State, in consultation with
12 other relevant Federal agencies and offices, shall
13 provide the appropriate congressional committees
14 with a detailed report and briefing describing the
15 pilot program, the major elements of the program,
16 the personnel and institutions involved, and the de-
17 gree to which the program incorporates the elements
18 described in subsection (a).

19 (2) FOLLOW-UP REPORT.—Not later than one
20 year after the date on which the report required by
21 paragraph (1) is submitted, the Secretary of State,
22 in consultation with other relevant Federal agencies
23 and offices, shall provide the appropriate congres-
24 sional committees with a detailed report and briefing
25 describing the operations over the previous year of

1 the pilot program established pursuant to subsection
2 (a), as well as the Secretary's assessment of its per-
3 formance and suitability for becoming a permanent
4 program.

5 (3) FORM.—Each report required under this
6 subsection shall be submitted in unclassified form,
7 but may include a classified annex.

8 (c) DECLARATION OF AN ECONOMIC CRISIS RE-
9 QUIRED.—

10 (1) NOTIFICATION.—The President may acti-
11 vate an economic defense response team for a period
12 of 180 days under the authorities of this section to
13 assist a partner country in responding to an unusual
14 and extraordinary economic coercive threat by an
15 adversary of the United States upon the declaration
16 of a coercive economic emergency, together with no-
17 tification to the Committee on Foreign Relations of
18 the Senate and the Committee on Foreign Affairs of
19 the House of Representatives.

20 (2) EXTENSION AUTHORITY.—The President
21 may activate the response team for an additional
22 180 days upon the submission of a detailed analysis
23 to the committees described in paragraph (1) justi-
24 fying why the continued deployment of the economic
25 defense response team in response to the economic

1 emergency is in the national security interest of the
2 United States.

3 (d) SUNSET.—The authorities provided under this
4 section shall expire on December 31, 2026.

5 (e) RULE OF CONSTRUCTION.—Neither the authority
6 to declare an economic crisis provided for in subsection
7 (d), nor the declaration of an economic crisis pursuant to
8 subsection (d), shall confer or be construed to confer any
9 authority, power, duty, or responsibility to the President
10 other than the authority to activate an economic defense
11 response team as described in this section.

12 (f) APPROPRIATE COMMITTEES OF CONGRESS DE-
13 FINED.—In this section, the term “appropriate congres-
14 sional committees” means—

15 (1) the Committee on Foreign Relations, the
16 Committee on Banking, Housing, and Urban Af-
17 fairs, the Committee on Commerce, Science, and
18 Transportation, the Committee on Energy and Nat-
19 ural Resources, the Committee on Agriculture, Nu-
20 trition, and Forestry, and the Committee on Finance
21 of the Senate; and

22 (2) the Committee on Foreign Affairs, the
23 Committee on Financial Services, the Committee on
24 Energy and Commerce, the Committee on Agri-

1 culture, and the Committee on Ways and Means of
2 the House of Representatives.

3 **SEC. 30403. COUNTERING OVERSEAS KLEPTOCRACY.**

4 (a) FINDINGS.—Congress finds the following:

5 (1) Authoritarian leaders in foreign countries
6 abuse their power to steal assets from state institu-
7 tions, enrich themselves at the expense of their coun-
8 tries' economic development, and use corruption as
9 a strategic tool both to solidify their grip on power
10 and to undermine democratic institutions abroad.

11 (2) Global corruption harms the competitiveness
12 of United States businesses, weakens democratic
13 governance, feeds terrorist recruitment and
14 transnational organized crime, enables drug smug-
15 gling and human trafficking, and stymies economic
16 growth.

17 (3) Illicit financial flows often penetrate coun-
18 tries through what appear to be legitimate financial
19 transactions, as kleptocrats launder money, use shell
20 companies, amass offshore wealth, and participate in
21 a global shadow economy.

22 (4) The Government of the Russian Federation
23 is a leading model of this type of kleptocratic sys-
24 tem, using state-sanctioned corruption to both erode
25 democratic governance from within and discredit de-

1 mocracy abroad, thereby strengthening the authori-
2 tarian rule of Vladimir Putin.

3 (5) Corrupt individuals and entities in the Rus-
4 sian Federation, often with the backing and encour-
5 agement of political leadership, use stolen money—

6 (A) to purchase key assets in other coun-
7 tries, often with a goal of attaining monopolistic
8 control of a sector;

9 (B) to gain access to and influence the
10 policies of other countries; and

11 (C) to advance Russian interests in other
12 countries, particularly those that undermine
13 confidence and trust in democratic systems.

14 (6) Systemic corruption in the People's Repub-
15 lic of China (PRC), often tied to, directed by, or
16 backed by the leadership of the Chinese Communist
17 Party (CCP) and the Government of the PRC is
18 used—

19 (A) to provide unfair advantage to certain
20 PRC economic entities;

21 (B) to increase other countries' economic
22 dependence on the PRC to secure greater def-
23 erence to the PRC's diplomatic and strategic
24 goals; and

1 (C) to exploit corruption in foreign govern-
2 ments and among other political elites to enable
3 PRC state-backed firms to pursue predatory
4 and exploitative economic practices.

5 (7) Thwarting these tactics by Russian, Chi-
6 nese, and other kleptocratic actors requires the
7 international community to strengthen democratic
8 governance and the rule of law. International co-
9 operation in combating corruption and illicit finance
10 is vital to such efforts, especially by empowering re-
11 formers in foreign countries during historic political
12 openings for the establishment of the rule of law in
13 those countries.

14 (8) Technical assistance programs that combat
15 corruption and strengthen the rule of law, including
16 through assistance provided by the Department of
17 State's Bureau of International Narcotics and Law
18 Enforcement Affairs and the United States Agency
19 for International Development, and through pro-
20 grams like the Department of Justice's Office of
21 Overseas Prosecutorial Development, Assistance and
22 Training and the International Criminal Investiga-
23 tive Training Assistance Program, can have lasting
24 and significant impacts for both foreign and United
25 States interests.

1 (9) There currently exist numerous inter-
2 national instruments to combat corruption,
3 kleptocracy, and illicit finance, including—

4 (A) the Inter-American Convention against
5 Corruption of the Organization of American
6 States, done at Caracas March 29, 1996;

7 (B) the Convention on Combating Bribery
8 of Foreign Public Officials in International
9 Business Transactions of the Organisation of
10 Economic Co-operation and Development, done
11 at Paris December 21, 1997 (commonly re-
12 ferred to as the “Anti-Bribery Convention”);

13 (C) the United Nations Convention against
14 Transnational Organized Crime, done at New
15 York November 15, 2000;

16 (D) the United Nations Convention against
17 Corruption, done at New York October 31,
18 2003;

19 (E) Recommendation of the Council for
20 Further Combating Bribery of Foreign Public
21 Officials in International Business Trans-
22 actions, adopted November 26, 2009; and

23 (F) recommendations of the Financial Ac-
24 tion Task Force comprising the International
25 Standards on Combating Money Laundering

1 and the Financing of Terrorism and Prolifera-
2 tion.

3 (b) DEFINITIONS.—In this section:

4 (1) APPROPRIATE CONGRESSIONAL COMMIT-
5 TEES.—The term “appropriate congressional com-
6 mittees” means—

7 (A) the Committee on Foreign Relations,
8 the Committee on Banking, Housing, and
9 Urban Affairs, the Committee on Finance, and
10 the Committee on the Judiciary of the Senate;

11 (B) the Committee on Foreign Affairs, the
12 Committee on Financial Services, the Com-
13 mittee on Ways and Means, and the Committee
14 on the Judiciary of the House of Representa-
15 tives.

16 (2) FOREIGN ASSISTANCE.—The term “foreign
17 assistance” means foreign assistance authorized
18 under the Foreign Assistance Act of 1961 (22
19 U.S.C. 2251 et seq.).

20 (3) FOREIGN STATE.—The term “foreign state”
21 has the meaning given such term in section 1603(a)
22 of title 28, United States Code.

23 (4) INTELLIGENCE COMMUNITY.—The term
24 “intelligence community” has the meaning given

1 such term in section 3(4) of the National Security
2 Act of 1947 (50 U.S.C. 3003(4)).

3 (5) PUBLIC CORRUPTION.—The term “public
4 corruption” includes the unlawful exercise of en-
5 trusted public power for private gain, such as
6 through bribery, nepotism, fraud, extortion, or em-
7 bezzlement.

8 (6) RULE OF LAW.—The term “rule of law”
9 means the principle of governance in which all per-
10 sons, institutions, and entities, whether public or
11 private, including the state, are accountable to laws
12 that are—

13 (A) publicly promulgated;

14 (B) equally enforced;

15 (C) independently adjudicated; and

16 (D) consistent with international human
17 rights norms and standards.

18 (c) STATEMENT OF POLICY.—It is the policy of the
19 United States—

20 (1) to leverage United States diplomatic en-
21 gagement and foreign assistance to promote the rule
22 of law;

23 (2)(A) to promote international instruments to
24 combat corruption, kleptocracy, and illicit finance,
25 including instruments referred to in subsection

1 (a)(9), and other relevant international standards
2 and best practices, as such standards and practices
3 develop; and

4 (B) to promote the adoption and implementa-
5 tion of such laws, standards, and practices by for-
6 eign states;

7 (3) to support foreign states in promoting good
8 governance and combating public corruption;

9 (4) to encourage and assist foreign partner
10 countries to identify and close loopholes in their
11 legal and financial architecture, including the misuse
12 of anonymous shell companies and other legal struc-
13 tures, that are enabling illicit finance to penetrate
14 their financial systems;

15 (5) to help foreign partner countries to inves-
16 tigate, prosecute, adjudicate, and more generally
17 combat the use of corruption by malign actors, in-
18 cluding authoritarian governments, particularly the
19 Government of the Russian Federation and the Gov-
20 ernment of the People's Republic of China, as a tool
21 of malign influence worldwide;

22 (6) to assist in the recovery of kleptocracy-re-
23 lated stolen assets for victims, including through the
24 use of appropriate bilateral arrangements and inter-
25 national agreements, such as the United Nations

1 Convention against Corruption, done at New York
2 October 31, 2003, and the United Nations Conven-
3 tion against Transnational Organized Crime, done at
4 New York November 15, 2000;

5 (7) to use sanctions authorities, such as the
6 Global Magnitsky Human Rights Accountability Act
7 (subtitle F of title XII of the National Defense Au-
8 thorization Act for Fiscal Year 2017 (Public Law
9 114–328; 22 U.S.C. 2656 note)) and section
10 7031(e) of the Department of State, Foreign Oper-
11 ations, and Related Programs Appropriations Act,
12 2020 (division G of Public Law 116–94), to identify
13 and take action against corrupt foreign actors;

14 (8) to ensure coordination between relevant
15 Federal departments and agencies with jurisdiction
16 over the advancement of good governance in foreign
17 states; and

18 (9) to lead the creation of a formal grouping of
19 like-minded states—

20 (A) to coordinate efforts to counter corrup-
21 tion, kleptocracy, and illicit finance; and

22 (B) to strengthen collective financial de-
23 fense.

24 (d) ANTI-CORRUPTION ACTION FUND.—

1 (1) ESTABLISHMENT.—There is established in
2 the United States Treasury a fund, to be known as
3 the “Anti-Corruption Action Fund”, only for the
4 purposes of—

5 (A) strengthening the capacity of foreign
6 states to prevent and fight public corruption;

7 (B) assisting foreign states to develop rule
8 of law-based governance structures, including
9 accountable civilian police, prosecutorial, and
10 judicial institutions;

11 (C) supporting foreign states to strengthen
12 domestic legal and regulatory frameworks to
13 combat public corruption, including the adop-
14 tion of best practices under international law;
15 and

16 (D) supplementing existing foreign assist-
17 ance and diplomacy with respect to efforts de-
18 scribed in subparagraphs (A), (B), and (C).

19 (2) FUNDING.—

20 (A) TRANSFERS.—Beginning on or after
21 the date of the enactment of this Act, if total
22 criminal fines and penalties in excess of
23 \$50,000,000 are imposed against a person
24 under the Foreign Corrupt Practices Act of
25 1977 (Public Law 95–213) or section 13, 30A,

1 or 32 of the Securities Exchange Act of 1934
2 (15 U.S.C. 78m, 78dd-1, and 78ff), whether
3 pursuant to a criminal prosecution, enforcement
4 proceeding, deferred prosecution agreement,
5 nonprosecution agreement, a declination to
6 prosecute or enforce, or any other resolution,
7 the court (in the case of a conviction) or the At-
8 torney General shall impose an additional pre-
9 vention payment equal to \$5,000,000 against
10 such person, which shall be deposited in the
11 Anti-Corruption Action Fund established under
12 paragraph (1).

13 (B) AVAILABILITY OF FUNDS.—Amounts
14 deposited into the Anti-Corruption Action Fund
15 pursuant to subparagraph (A) shall be available
16 to the Secretary of State only for the purposes
17 described in paragraph (1), without fiscal year
18 limitation or need for subsequent appropriation.

19 (C) LIMITATION.—None of the amounts
20 made available to the Secretary of State from
21 the Anti-Corruption Action Fund may be used
22 inside the United States, except for administra-
23 tive costs related to overseas program imple-
24 mentation pursuant to paragraph (1).

1 (3) SUPPORT.—The Anti-Corruption Action
2 Fund—

3 (A) may support governmental and non-
4 governmental parties in advancing the purposes
5 described in paragraph (1); and

6 (B) shall be allocated in a manner com-
7 plementary to existing United States foreign as-
8 sistance, diplomacy, and anti-corruption activi-
9 ties.

10 (4) ALLOCATION AND PRIORITIZATION.—In
11 programming foreign assistance made available
12 through the Anti-Corruption Action Fund, the Sec-
13 retary of State, in coordination with the Attorney
14 General, shall prioritize projects that—

15 (A) assist countries that are undergoing
16 historic opportunities for democratic transition,
17 combating corruption, and the establishment of
18 the rule of law; and

19 (B) are important to United States na-
20 tional interests.

21 (5) TECHNICAL ASSISTANCE PROVIDERS.—For
22 any technical assistance to a foreign governmental
23 party under this section, the Secretary of State, in
24 coordination with the Attorney General, shall
25 prioritize United States Government technical assist-

1 ance providers as implementers, in particular the Of-
2 fice of Overseas Prosecutorial Development, Assist-
3 ance and Training and the International Criminal
4 Investigative Training Assistance Program at the
5 Department of Justice.

6 (6) PUBLIC DIPLOMACY.—The Secretary of
7 State shall announce that funds deposited in the
8 Anti-Corruption Action Fund are derived from ac-
9 tions brought under the Foreign Corrupt Practices
10 Act to demonstrate that the use of such funds are—

11 (A) contributing to international anti-cor-
12 ruption work; and

13 (B) reducing the pressure that United
14 States businesses face to pay bribes overseas,
15 thereby contributing to greater competitiveness
16 of United States companies.

17 (7) REPORTING.—Not later than 1 year after
18 the date of the enactment of this Act and not less
19 frequently than annually thereafter, the Secretary of
20 State shall submit a report to the appropriate con-
21 gressional committees that contains—

22 (A) the balance of the funding remaining
23 in the Anti-Corruption Action Fund;

1 (B) the amount of funds that have been
2 deposited into the Anti-Corruption Action
3 Fund; and

4 (C) a summary of the obligation and ex-
5 penditure of such funds.

6 (8) NOTIFICATION REQUIREMENTS.—None of
7 the amounts made available to the Secretary of
8 State from the Anti-Corruption Action Fund pursu-
9 ant to this section shall be available for obligation,
10 or for transfer to other departments, agencies, or en-
11 tities, unless the Secretary of State notifies the
12 Committee on Foreign Relations of the Senate, the
13 Committee on Appropriations of the Senate, the
14 Committee on Foreign Affairs of the House of Rep-
15 resentatives, and the Committee on Appropriations
16 of the House of Representatives, not later than 15
17 days in advance of such obligation or transfer.

18 (e) INTERAGENCY ANTI-CORRUPTION TASK
19 FORCE.—

20 (1) IN GENERAL.—The Secretary of State, in
21 cooperation with the Interagency Anti-Corruption
22 Task Force established pursuant to paragraph (2),
23 shall manage a whole-of-government effort to im-
24 prove coordination among Federal departments and
25 agencies and donor organizations with a role in—

1 (A) promoting good governance in foreign
2 states; and

3 (B) enhancing the ability of foreign states
4 to combat public corruption.

5 (2) INTERAGENCY ANTI-CORRUPTION TASK
6 FORCE.—Not later than 180 days after the date of
7 the enactment of this Act, the Secretary of State
8 shall establish and convene the Interagency Anti-
9 Corruption Task Force (referred to in this section as
10 the “Task Force”), which shall be composed of rep-
11 resentatives appointed by the President from appro-
12 priate departments and agencies, including the De-
13 partment of State, the United States Agency for
14 International Development, the Department of Jus-
15 tice, the Department of the Treasury, the Depart-
16 ment of Homeland Security, the Department of De-
17 fense, the Department of Commerce, the Millennium
18 Challenge Corporation, and the intelligence commu-
19 nity.

20 (3) ADDITIONAL MEETINGS.—The Task Force
21 shall meet not less frequently than twice per year.

22 (4) DUTIES.—The Task Force shall—

23 (A) evaluate, on a general basis, the effec-
24 tiveness of existing foreign assistance programs,

1 including programs funded by the Anti-Corruption
2 tion Action Fund, that have an impact on—

3 (i) promoting good governance in for-
4 eign states; and

5 (ii) enhancing the ability of foreign
6 states to combat public corruption;

7 (B) assist the Secretary of State in man-
8 aging the whole-of-government effort described
9 in paragraph (1);

10 (C) identify general areas in which such
11 whole-of-government effort could be enhanced;
12 and

13 (D) recommend specific programs for for-
14 eign states that may be used to enhance such
15 whole-of-government effort.

16 (5) BRIEFING REQUIREMENT.—Not later than
17 1 year after the date of the enactment of this Act
18 and not less frequently than annually thereafter
19 through the end of fiscal year 2026, the Secretary
20 of State shall provide a briefing to the appropriate
21 congressional committees regarding the ongoing
22 work of the Task Force. Each briefing shall include
23 the participation of a representative of each of the
24 departments and agencies described in paragraph
25 (2), to the extent feasible.

1 (f) DESIGNATION OF EMBASSY ANTI-CORRUPTION
2 POINTS OF CONTACT.—

3 (1) EMBASSY ANTI-CORRUPTION POINT OF CON-
4 TACT.—The chief of mission of each United States
5 embassy shall designate an anti-corruption point of
6 contact for each such embassy.

7 (2) DUTIES.—The designated anti-corruption
8 points of contact designated pursuant to paragraph
9 (1) shall—

10 (A) coordinate, in accordance with guid-
11 ance from the Interagency Anti-Corruption
12 Task Force established pursuant to subsection
13 (e)(2), an interagency approach within United
14 States embassies to combat public corruption in
15 the foreign states in which such embassies are
16 located that is tailored to the needs of such for-
17 eign states, including all relevant Federal de-
18 partments and agencies with a presence in such
19 foreign states, such as the Department of State,
20 the United States Agency for International De-
21 velopment, the Department of Justice, the De-
22 partment of the Treasury, the Department of
23 Homeland Security, the Department of De-
24 fense, the Millennium Challenge Corporation,
25 and the intelligence community;

1 (B) make recommendations regarding the
2 use of the Anti-Corruption Action Fund and
3 other foreign assistance funding related to anti-
4 corruption efforts in their respective countries
5 of responsibility that aligns with United States
6 diplomatic engagement; and

7 (C) ensure that anti-corruption activities
8 carried out within their respective countries of
9 responsibility are included in regular reporting
10 to the Secretary of State and the Interagency
11 Anti-Corruption Task Force, including United
12 States embassy strategic planning documents
13 and foreign assistance-related reporting, as ap-
14 propriate.

15 (3) TRAINING.—The Secretary of State shall
16 develop and implement appropriate training for the
17 designated anti-corruption points of contact.

18 (g) REPORTING REQUIREMENTS.—

19 (1) REPORT OR BRIEFING ON PROGRESS TO-
20 WARD IMPLEMENTATION.—Not later than 180 days
21 after the date of the enactment of this Act, and an-
22 nually thereafter for the following 3 years, the Sec-
23 retary of State, in consultation with the Adminis-
24 trator of the United States Agency for International
25 Development, the Attorney General, and the Sec-

1 retary of the Treasury, shall submit a report or pro-
2 vide a briefing to the appropriate congressional com-
3 mittees that summarizes progress made in com-
4 bating public corruption and in implementing this
5 Act, including—

6 (A) identifying opportunities and priorities
7 for outreach with respect to promoting the
8 adoption and implementation of relevant inter-
9 national law and standards in combating public
10 corruption, kleptocracy, and illicit finance;

11 (B) describing—

12 (i) the bureaucratic structure of the
13 offices within the Department of State and
14 the United States Agency for International
15 Development that are engaged in activities
16 to combat public corruption, kleptocracy,
17 and illicit finance; and

18 (ii) how such offices coordinate their
19 efforts with each other and with other rel-
20 evant Federal departments and agencies;

21 (C) providing a description of how the pro-
22 visions under paragraphs (4) and (5) of sub-
23 section (d) have been applied to each project
24 funded by the Anti-Corruption Action Fund;

1 (D) providing an explanation as to why a
2 United States Government technical assistance
3 provider was not used if technical assistance to
4 a foreign governmental entity is not imple-
5 mented by a United States Government tech-
6 nical assistance provider;

7 (E) describing the activities of the Inter-
8 agency Anti-Corruption Task Force established
9 pursuant to subsection (e)(2);

10 (F) identifying—

11 (i) the designated anti-corruption
12 points of contact for foreign states; and

13 (ii) any training provided to such
14 points of contact; and

15 (G) recommending additional measures
16 that would enhance the ability of the United
17 States Government to combat public corruption,
18 kleptocracy, and illicit finance overseas.

19 (2) ONLINE PLATFORM.—The Secretary of
20 State, in conjunction with the Administrator of the
21 United States Agency for International Develop-
22 ment, should consolidate existing reports with anti-
23 corruption components into a single online, public
24 platform that includes—

1 (A) the Annual Country Reports on
2 Human Rights Practices required under section
3 116 of the Foreign Assistance Act of 1961 (22
4 U.S.C. 2151n);

5 (B) the Fiscal Transparency Report re-
6 quired under section 7031(b) of the Depart-
7 ment of State, Foreign Operations and Related
8 Programs Appropriations Act, 2019 (division F
9 of Public Law 116–6);

10 (C) the Investment Climate Statement re-
11 ports;

12 (D) the International Narcotics Control
13 Strategy Report;

14 (E) any other relevant public reports; and

15 (F) links to third-party indicators and
16 compliance mechanisms used by the United
17 States Government to inform policy and pro-
18 gramming, as appropriate, such as—

19 (i) the International Finance Corpora-
20 tion’s Doing Business surveys;

21 (ii) the International Budget Partner-
22 ship’s Open Budget Index; and

23 (iii) multilateral peer review anti-cor-
24 ruption compliance mechanisms, such as—

1 (I) the Organisation for Eco-
2 nomic Co-operation and Develop-
3 ment's Working Group on Bribery in
4 International Business Transactions;

5 (II) the Follow-Up Mechanism
6 for the Inter-American Convention
7 Against Corruption; and

8 (III) the United Nations Conven-
9 tion Against Corruption, done at New
10 York October 31, 2003.

11 **SEC. 30404. ANNUAL REPORT ON CHINESE SURVEILLANCE**
12 **COMPANIES.**

13 (a) IN GENERAL.—Not later than 180 days after the
14 date of the enactment of this Act, and annually thereafter
15 until 2040, the Secretary of State, in coordination with
16 the Director of National Intelligence, shall submit to the
17 Committee on Foreign Affairs and Permanent Select
18 Committee on Intelligence of the House of Representa-
19 tives, and the Committee on Foreign Relations and the
20 Select Committee on Intelligence of the Senate, a report
21 with respect to persons in China that the Secretary deter-
22 mines—

23 (1) have operated, sold, leased, or otherwise
24 provided, directly or indirectly, items or services re-
25 lated to targeted digital surveillance to—

1 (A) a foreign government or entity located
2 primarily inside a foreign country where a rea-
3 sonable person would assess that such transfer
4 could result in a use of the items or services in
5 a manner contrary to human rights; or

6 (B) a country or any governmental unit
7 thereof, entity, or other person determined by
8 the Secretary of State, in a notice published in
9 the Federal Register, to have used items or
10 services for targeted digital surveillance in a
11 manner contrary to human rights; or

12 (2) have materially assisted, sponsored, or pro-
13 vided financial, material, or technological support
14 for, or items or services to or in support of, the ac-
15 tivities described in paragraph (1).

16 (b) MATTERS TO BE INCLUDED.—The report re-
17 quired by subsection (a) shall include the following:

18 (1) The name of each foreign person that the
19 Secretary determines—

20 (A) meets the requirements of subsection
21 (a)(1); and

22 (B) meets the requirements of subsection
23 (a)(2).

1 (2) The name of each intended and actual re-
2 recipient of items or services described in subsection
3 (a).

4 (3) A detailed description of such items or serv-
5 ices.

6 (4) An analysis of the appropriateness of in-
7 cluding the persons listed in (b)(1) on the entity list
8 maintained by the Bureau of Industry and Security.

9 (c) CONSULTATION.—In compiling data and making
10 assessments for the purposes of preparing the report re-
11 quired by subsection (a), the Secretary of State shall con-
12 sult with a wide range of organizations, including with re-
13 spect to—

14 (1) classified and unclassified information pro-
15 vided by the Director of National Intelligence;

16 (2) information provided by the Bureau of De-
17 mocracy, Human Rights, and Labor’s Internet Free-
18 dom, Business and Human Rights section;

19 (3) information provided by the Department of
20 Commerce, including the Bureau of Industry and
21 Security;

22 (4) information provided by the advisory com-
23 mittees established by the Secretary to advise the
24 Under Secretary of Commerce for Industry and Se-
25 curity on controls under the Export Administration

1 Regulations, including the Emerging Technology and
2 Research Advisory Committee;

3 (5) information on human rights and tech-
4 nology matters, as solicited from civil society and
5 human rights organizations through regular consult-
6 ative processes; and

7 (6) information contained in the Country Re-
8 ports on Human Rights Practices published annually
9 by the Department of State.

10 (d) FORM AND PUBLIC AVAILABILITY OF REPORT.—

11 The report required by subsection (a) shall be submitted
12 in unclassified form. The report shall be posted by the
13 President not later than 14 days after being submitted
14 to Congress on a text-based, searchable, and publicly avail-
15 able internet website.

16 (e) DEFINITIONS.—In this section:

17 (1) TARGETED DIGITAL SURVEILLANCE.—The
18 term “targeted digital surveillance” means the use
19 of items or services that enable an individual or enti-
20 ty to detect, monitor, intercept, collect, exploit, pre-
21 serve, protect, transmit, retain, or otherwise gain ac-
22 cess to the communications, protected information,
23 work product, browsing data, research, identifying
24 information, location history, or online and offline
25 activities of other individuals, organizations, or enti-

1 ties, with or without the explicit authorization of
2 such individuals, organizations, or entities.

3 (2) FOREIGN PERSON.—The term “foreign per-
4 son” means an individual or entity that is not a
5 United States person.

6 (3) IN A MANNER CONTRARY TO HUMAN
7 RIGHTS.—The term “in a manner contrary to
8 human rights”, with respect to targeted digital sur-
9 veillance, means engaging in targeted digital surveil-
10 lance—

11 (A) in violation of basic human rights, in-
12 cluding to silence dissent, sanction criticism,
13 punish independent reporting (and sources for
14 that reporting), manipulate or interfere with
15 democratic or electoral processes, persecute mi-
16 norities or vulnerable groups, or target advo-
17 cates or practitioners of human rights and
18 democratic rights (including activists, journal-
19 ists, artists, minority communities, or opposi-
20 tion politicians); or

21 (B) in a country in which there is lacking
22 a minimum legal framework governing its use,
23 including established—

1 (i) authorization under laws that are
2 accessible, precise, and available to the
3 public;

4 (ii) constraints limiting its use under
5 principles of necessity, proportionality, and
6 legitimacy;

7 (iii) oversight by bodies independent
8 of the government's executive agencies;

9 (iv) involvement of an independent
10 and impartial judiciary branch in author-
11 izing its use; or

12 (v) legal remedies in case of abuse.

13 **TITLE V—ENSURING STRATEGIC** 14 **SECURITY**

15 **SEC. 30501. COOPERATION ON A STRATEGIC NUCLEAR DIA-** 16 **LOGUE.**

17 (a) STATEMENT OF POLICY.—It is the policy of the
18 United States—

19 (1) to pursue, in coordination with United
20 States allies and partners, arms control negotiations
21 and sustained and regular engagement with the Peo-
22 ple's Republic of China (PRC)—

23 (A) to enhance understanding of each oth-
24 er's respective nuclear policies, doctrine, and ca-
25 pabilities;

1 (B) to improve transparency; and

2 (C) to help manage the risks of miscalcula-
3 tion and misperception;

4 (2) to formulate a strategy to engage the Gov-
5 ernment of the PRC on relevant issues that lays the
6 groundwork for a constructive arms control frame-
7 work, including—

8 (A) fostering dialogue on arms control
9 leading to the convening of strategic security
10 talks;

11 (B) negotiating norms for outer space;

12 (C) developing pre-launch notification re-
13 gimes aimed at reducing nuclear miscalculation;
14 and

15 (D) expanding lines of communication be-
16 tween both governments for the purposes of re-
17 ducing the risks of conventional war and in-
18 creasing transparency;

19 (3) to pursue relevant negotiations in coordina-
20 tion with United States allies and partners to ensure
21 the security of United States and allied interests to
22 slow the PRC's military modernization and expan-
23 sion, including on—

24 (A) ground-launched cruise and ballistic
25 missiles;

- 1 (B) integrated air and missile defense;
- 2 (C) hypersonic missiles;
- 3 (D) intelligence, surveillance, and recon-
- 4 naissance;
- 5 (E) space-based capabilities;
- 6 (F) cyber capabilities; and
- 7 (G) command, control, and communica-
- 8 tions; and

9 (4) to ensure that the United States policy con-
10 tinues to reassure United States allies and partners.

11 (b) SENSE OF CONGRESS.—It is the sense of Con-
12 gress that—

13 (1) it is in the interest of the United States and
14 China to cooperate in reducing risks of conventional
15 and nuclear escalation;

16 (2) a physical, cyber, electronic, or any other
17 People’s Liberation Army (PLA) attack on United
18 States early warning satellites, other portions of the
19 nuclear command and control enterprise, or critical
20 infrastructure poses a high risk to inadvertent but
21 rapid escalation;

22 (3) the United States and its allies and part-
23 ners should promote international norms on military
24 operations in space, the employment of cyber capa-
25 bilities, and the military use of artificial intelligence,

1 as an element of risk reduction regarding nuclear
2 command and control; and

3 (4) United States allies and partners should
4 share the burden of promoting and protecting norms
5 regarding the weaponization of space, highlighting
6 unsafe behavior that violates international norms,
7 such as in rendezvous and proximity operations, and
8 promoting responsible behavior in space and all
9 other domains.

10 **SEC. 30502. REPORT ON UNITED STATES EFFORTS TO EN-**
11 **GAGE THE PEOPLE'S REPUBLIC OF CHINA ON**
12 **NUCLEAR ISSUES AND BALLISTIC MISSILE**
13 **ISSUES.**

14 (a) REPORT ON THE FUTURE OF UNITED STATES-
15 PRC ARMS CONTROL.—Not later than 180 days after the
16 date of the enactment of this Act, the Secretary of State,
17 in coordination with the Secretary of Defense and the Sec-
18 retary of Energy, shall submit to the appropriate congres-
19 sional committees a report, and if necessary a separate
20 classified annex, that outlines the approaches and strate-
21 gies such Secretaries will pursue to engage the Govern-
22 ment of the People's Republic of China (PRC) on arms
23 control and risk reduction, including—

24 (1) areas of potential dialogue between the Gov-
25 ernments of the United States and the PRC, includ-

1 ing on ballistic, hypersonic glide, and cruise missiles,
2 conventional forces, nuclear, space, and cyberspace
3 issues, as well as other new strategic domains, which
4 could reduce the likelihood of war, limit escalation if
5 a conflict were to occur, and constrain a desta-
6 bilizing arms race in the Indo-Pacific region;

7 (2) how the United States Government can en-
8 gage the Government of the PRC in a constructive
9 arms control dialogue;

10 (3) identifying strategic military capabilities of
11 the PRC that the United States Government is most
12 concerned about and how limiting these capabilities
13 may benefit United States and allied security inter-
14 ests;

15 (4) mechanisms to avoid, manage, or control
16 nuclear, conventional, and unconventional military
17 escalation between the United States and the PRC;

18 (5) the personnel and expertise required to ef-
19 fectively engage the PRC in strategic stability and
20 arms control dialogues; and

21 (6) opportunities and methods to encourage
22 transparency from the PRC.

23 (b) REPORT ON ARMS CONTROL TALKS WITH
24 PRC.—Not later than 180 days after the date of the en-
25 actment of this Act, the Secretary of State, in consultation

1 with the Secretary of Defense and the Secretary of En-
2 ergy, shall submit to the appropriate congressional com-
3 mittees a report that describes—

4 (1) a concrete plan for arms control talks with
5 the PRC;

6 (2) if a bilateral arms control dialogue does not
7 arise, what alternative plans the Department of
8 State envisages for ensuring the security of the
9 United States and its allies through international
10 arms control negotiations;

11 (3) effects on the credibility of United States
12 extended deterrence assurances to allies and part-
13 ners if arms control negotiations do not materialize
14 and the implications for regional security architec-
15 tures;

16 (4) efforts at engaging the PRC to join arms
17 control talks, whether on a bilateral or international
18 basis; and

19 (5) the interest level of the Government of PRC
20 in joining arms control talks, whether on a bilateral
21 or international basis, including through—

22 (A) a formal invitation to appropriate offi-
23 cials from the PRC, and to each of the perma-
24 nent members of the United Nations Security
25 Council, to observe a United States-Russian

1 Federation New START Treaty on-site inspec-
2 tion to demonstrate the security benefits of
3 transparency into strategic nuclear forces;

4 (B) discussions on how to advance inter-
5 national negotiations on the fissile material cut-
6 off;

7 (C) an agreement with the PRC that al-
8 lows for advance notifications of ballistic missile
9 launches, through the Hague Code of Conduct
10 or other data exchanges or doctrine discussions
11 related to strategic nuclear forces;

12 (D) an agreement not to target or interfere
13 in nuclear command, control, and communica-
14 tions (commonly referred to as “NC3”) infra-
15 structure; or

16 (E) any other cooperative measure that
17 benefits United States-PRC strategic stability.

18 (c) APPROPRIATE CONGRESSIONAL COMMITTEES DE-
19 FINED.—In this section, the term “appropriate congres-
20 sional committees” means—

21 (1) the Committee on Foreign Relations, the
22 Committee on Armed Services, and the Committee
23 on Energy and Natural Resources of the Senate;
24 and

1 (2) the Committee on Foreign Affairs, the
2 Committee on Armed Services, and the Committee
3 on Energy and Commerce of the House of Rep-
4 resentatives.

5 **SEC. 30503. COUNTERING THE PEOPLE'S REPUBLIC OF CHI-**
6 **NA'S PROLIFERATION OF BALLISTIC MIS-**
7 **SILES AND NUCLEAR TECHNOLOGY TO THE**
8 **MIDDLE EAST.**

9 (a) MTCR TRANSFERS.—Not later than 30 days
10 after the date of the enactment of this Act, the President
11 shall submit to the appropriate congressional committees
12 a written determination, and any documentation to sup-
13 port that determination detailing—

14 (1) whether any foreign person in the People's
15 Republic of China (PRC) knowingly exported, trans-
16 ferred, or engaged in trade of any item designated
17 under Category I of the MTCR Annex to any foreign
18 person in the previous three fiscal years; and

19 (2) the sanctions the President has imposed or
20 intends to impose pursuant to section 11B(b) of the
21 Export Administration Act of 1979 (50 U.S.C.
22 4612(b)) against any foreign person who knowingly
23 engaged in the export, transfer, or trade of that item
24 or items.

1 (b) PRC'S NUCLEAR FUEL CYCLE COOPERATION.—
2 Not later than 30 days after the date of the enactment
3 of this Act, the President shall submit to the appropriate
4 committees of Congress a report detailing—

5 (1) whether any foreign person in the PRC en-
6 gaged in cooperation with any other foreign person
7 in the previous three fiscal years in the construction
8 of any nuclear-related fuel cycle facility or activity
9 that has not been notified to the International
10 Atomic Energy Agency and would be subject to com-
11plementary access if an Additional Protocol was in
12force; and

13 (2) the policy options required to prevent and
14respond to any future effort by the PRC to export
15to any foreign person an item classified as “plants
16for the separation of isotopes of uranium” or
17“plants for the reprocessing of irradiated nuclear re-
18actor fuel elements” under Part 110 of the Nuclear
19Regulatory Commission export licensing authority.

20 (c) FORM OF REPORT.—The determination required
21under subsection (b) and the report required under sub-
22section (c) shall be unclassified with a classified annex.

23 (d) DEFINITIONS.—In this section:

24 (1) The term “appropriate congressional com-
25mittees” means—

1 (A) the Select Committee on Intelligence
2 and the Committee on Foreign Relations of the
3 Senate; and

4 (B) the Permanent Select Committee on
5 Intelligence and the Committee on Foreign Af-
6 fairs of the House of Representatives.

7 (2) FOREIGN PERSON; PERSON.—The terms
8 “foreign person” and “person” mean—

9 (A) a natural person that is an alien;

10 (B) a corporation, business association,
11 partnership, society, trust, or any other non-
12 governmental entity, organization, or group,
13 that is organized under the laws of a foreign
14 country or has its principal place of business in
15 a foreign country;

16 (C) any foreign governmental entity oper-
17 ating as a business enterprise; and

18 (D) any successor, subunit, or subsidiary
19 of any entity described in subparagraph (B) or
20 (C).

1 **TITLE VI—INVESTING IN A**
2 **SUSTAINABLE FUTURE**

3 **SEC. 30601. ENSURING NATIONAL SECURITY AND ECO-**
4 **NOMIC PRIORITIES WITH THE PEOPLE’S RE-**
5 **PUBLIC OF CHINA AND OTHER COUNTRIES**
6 **ACCOUNT FOR ENVIRONMENTAL ISSUES AND**
7 **CLIMATE CHANGE.**

8 (a) FINDINGS.—Congress finds the following:

9 (1) The Special Report: Global Warming of
10 1.5°C, published by the Intergovernmental Panel on
11 Climate Change on October 8, 2018, and the Fourth
12 National Climate Assessment, first published by the
13 United States Global Change Research Program in
14 2018, concluded that—

15 (A) the release of greenhouse gas emis-
16 sions, most notably the combustion of fossil
17 fuels and the degradation of natural resources
18 that absorb atmospheric carbon from human
19 activity, are the dominant causes of climate
20 change during the past century;

21 (B) changes in the Earth’s climate are—

22 (i) causing sea levels to rise;

23 (ii) increasing the global average tem-
24 perature of the Earth;

1 (iii) increasing the incidence and se-
2 verity of wildfires; and

3 (iv) intensifying the severity of ex-
4 treme weather, including hurricanes, cy-
5 clones, typhoons, flooding, droughts, and
6 other disasters that threaten human life,
7 healthy communities, and critical infra-
8 structure.

9 (2) An increase in the global average tempera-
10 ture of 2 degrees Celsius compared to pre-industri-
11 alized levels would cause—

12 (A) the displacement, and the forced inter-
13 nal migration, of an estimated 143,000,000
14 people in Latin America, South Asia, and Sub-
15 Saharan Africa by 2050 if insufficient action is
16 taken (according to the World Bank);

17 (B) the displacement of an average of
18 17,800,000 people worldwide by floods every
19 year (according to the Internal Displacement
20 Monitoring Centre) because of the exacerbating
21 effects of climate change;

22 (C) more than \$500,000,000,000 in lost
23 annual economic output in the United States (a
24 10 percent contraction from 2018 levels) by

1 2100 (according to the Fourth National Cli-
2 mate Assessment);

3 (D) an additional 100,000,000 people
4 worldwide to be driven into poverty by 2030
5 (according to the World Bank);

6 (E) greater food insecurity and decreased
7 agricultural production due to climate change's
8 effects on the increased frequency and intensity
9 of extreme weather events;

10 (F) the proliferation of agricultural pests
11 and crop diseases, loss of biodiversity, degrad-
12 ing ecosystems, and water scarcity; and

13 (G) more than 350,000,000 additional peo-
14 ple worldwide to be exposed to deadly heat
15 stress by 2050.

16 (3) According to the International Energy
17 Agency, the United States, China, India, and the
18 European Union (including the United Kingdom) ac-
19 count for more than 58 percent of global greenhouse
20 gas emissions. China, which is the world's top green-
21 house gases emitter and has an outsized impact on
22 the United States' core interest in climate sta-
23 bility—

24 (A) is likely to achieve its carbon emissions
25 mitigation pledge to the Paris Agreement, con-

1 tained in its 2015 nationally determined con-
2 tribution, to “peak” emissions around 2030
3 ahead of schedule;

4 (B) announced, on September 22, 2020,
5 and restated on April 22, 2021, a pledge to
6 achieve carbon neutrality by 2060;

7 (C) announced on April 22, 2021, its in-
8 tent to strictly control coal fired power genera-
9 tion projects, as well as strictly limit the in-
10 crease in coal consumption over the 14th five
11 year plan period and phase it down in the 15th
12 five year plan period; and

13 (D) however, remains uncommitted to
14 internationally recognized metrics for achieving
15 these goals.

16 (b) SENSE OF CONGRESS.—It is the sense of Con-
17 gress that—

18 (1) to address the climate crisis, the United
19 States must leverage the full weight of its diplomatic
20 engagement and foreign assistance to promote our
21 national security and economic interests related to
22 climate change;

23 (2) in the absence of United States leadership
24 on global issues driving international climate-related
25 policymaking, it would lead to a substantial and

1 harmful decline in the Nation's global competitive-
2 ness;

3 (3) promoting international instruments on cli-
4 mate action and other relevant international stand-
5 ards and best practices, as such standards and prac-
6 tices develop, serve the interests of the American
7 people and protect United States environmental re-
8 sources and the planet;

9 (4) promoting the adoption and implementation
10 of international climate-related agreements, stand-
11 ards, and practices by foreign states ensures a level
12 playing field for United States businesses and other
13 stakeholders;

14 (5) working with international allies and part-
15 ners to promote environmental justice and climate
16 justice serves the American people's interests;

17 (6) finding common ground with the People's
18 Republic of China (PRC) on climate action where
19 possible is important, but the United States must
20 also continue to hold the PRC accountable where its
21 actions undermine the interests of the United States
22 and its allies and partners;

23 (7) and in furtherance of the previous clauses,
24 the United States should—

1 (A) explore opportunities for constructive
2 cooperation on climate action initiatives with
3 the PRC and other countries while ensuring the
4 United States maintains its competitive advantage
5 in climate-related fields of expertise and
6 industry, including—

7 (i) support for international cooperative
8 policies, measures, and technologies to
9 decarbonize industry and power, including
10 through circular economy, energy storage
11 and grid reliability, carbon capture, and
12 green hydrogen; and

13 (ii) increased deployment of clean energy,
14 including renewable and advanced
15 nuclear power; green and climate resilient
16 agriculture; energy efficient buildings;
17 green, and low-carbon transportation;

18 (B) cooperate on addressing emissions of
19 methane and other non-CO₂ greenhouse gases;

20 (C) cooperate on addressing emissions
21 from international civil aviation and maritime
22 activities;

23 (D) reduce emissions from coal, oil, and
24 gas;

1 (E) implement the Paris Agreement that
2 significantly advances global climate ambition
3 on mitigation, adaptation, and support;

4 (F) coordinate among relevant Federal,
5 State, and local departments and agencies on
6 climate action related initiatives;

7 (G) provide resources, authorities and sup-
8 port for enhancing United States ambition and
9 commitment to solving the climate crisis includ-
10 ing climate action specific assistance and multi-
11 lateral fund contributions; and

12 (H) integrate considerations for climate
13 change into broader United States foreign pol-
14 icy decision-making and the United States na-
15 tional security apparatus.

16 (c) PURPOSE.—The purpose of this section is to pro-
17 vide authorities, resources, policies, and recommended ad-
18 ministrative actions—

19 (1) to restore United States global leadership
20 on addressing the climate crisis and make United
21 States climate action and climate diplomacy a more
22 central tenet of United States foreign policy;

23 (2) to improve the United States commitment
24 to taking more ambitious action to help mitigate
25 global greenhouse gas emission and improve devel-

1 oping countries' resilience and adaptation capacities
2 to the effects of climate change;

3 (3) to ensure the United States maintains com-
4 petitive advantage over global strategic competitors
5 in diplomacy and new technological development;

6 (4) to encourage the pursuit of new bilateral co-
7 operation agreements with other world powers on
8 initiatives to advance global clean energy innovation
9 and other measures to mitigate global greenhouse
10 gas emissions and improve climate change adapta-
11 tion capacities;

12 (5) to ensure that the United States national
13 security apparatus integrates critically important
14 data on the compounding effects that climate change
15 is having on global security risks by enhancing our
16 understanding of how, where, and when such effects
17 are destabilizing countries and regions in ways that
18 may motivate conflict, displacement, and other driv-
19 ers of insecurity; and

20 (6) to authorize funding and programs to sup-
21 port a reaffirmation of the United States' commit-
22 ments to international cooperation and support for
23 developing and vulnerable countries to take climate
24 action.

25 (d) DEFINITIONS.—In this title:

1 (1) CLEAN ENERGY.—The term “clean energy”
2 means—

3 (A) renewable energy and related systems;

4 (B) energy production processes that emit
5 zero greenhouse gas emissions, including nu-
6 clear power;

7 (C) systems and processes that capture
8 and permanently store greenhouse gas emis-
9 sions from fossil fuel production and electricity
10 generation units; and

11 (D) products, processes, facilities, or sys-
12 tems designed to retrofit and improve the en-
13 ergy efficiency and electricity generated from
14 electrical generation units, while using less fuel,
15 less or fewer power production resources, or less
16 feedstocks.

17 (2) CLIMATE ACTION.—The term “climate ac-
18 tion” means enhanced efforts to reduce greenhouse
19 gas emissions and strengthen resilience and adaptive
20 capacity to climate-induced impacts, including—

21 (A) climate-related hazards in all coun-
22 tries;

23 (B) integrating climate change measures
24 into national policies, strategies and planning;
25 and

1 (C) improving education, awareness-raising,
2 ing, and human and institutional capacity with
3 respect to climate change mitigation, adaptation,
4 tion, impact reduction, and early warning.

5 (3) CLIMATE CRISIS.—The term “climate crisis”
6 means the social, economic, health, safety, and
7 security impacts on people, and the threats to biodiversity
8 and natural ecosystem health, which are attributable
9 to the wide-variety of effects on global environmental
10 and atmospheric conditions as a result of disruptions
11 to the Earth’s climate from anthropogenic activities
12 that generate greenhouse gas emissions or reduce
13 natural resource capacities to absorb and regulate
14 atmospheric carbon.

15 (4) CLIMATE DIPLOMACY.—The term “climate
16 diplomacy” means methods of influencing the decisions
17 and behavior of foreign governments and peoples
18 through dialogue, negotiation, cooperation, and other
19 peaceful measures on or about issues related to
20 addressing global climate change, including—

21 (A) the mitigation of global greenhouse gas
22 emissions;

23 (B) discussion, analysis, and sharing of
24 scientific data and information on the cause
25 and effects of climate change;

1 (C) the security, social, economic, and po-
2 litical instability risks associated with the ef-
3 fects of climate change;

4 (D) economic cooperation efforts that are
5 related to or associated with climate change and
6 greenhouse gas mitigation from the global econ-
7 omy;

8 (E) building resilience capacities and
9 adapting to the effects of change;

10 (F) sustainable land use and natural re-
11 source conservation;

12 (G) accounting for loss and damage attrib-
13 uted to the effects of climate change;

14 (H) just transition of carbon intense
15 economies to low or zero carbon economies and
16 accounting for laborers within affected econo-
17 mies;

18 (I) technological innovations that reduce or
19 eliminate carbon emissions; and

20 (J) clean energy and energy systems.

21 (5) CLIMATE FINANCING.—The term “climate
22 financing” means the transfer of new and additional
23 public funds from developed countries to developing
24 countries for projects and programs that—

1 (A) reduce or eliminate greenhouse gas
2 emissions;

3 (B) enhance and restore natural carbon se-
4 questration; and

5 (C) promote adaptation to climate change.

6 (6) CLIMATE SECURITY.—The term “climate
7 security” means the effects of climate change on—

8 (A) United States national security con-
9 cerns and subnational, national, and regional
10 political stability; and

11 (B) overseas security and conflict situa-
12 tions that are potentially exacerbated by dy-
13 namic environmental factors and events, includ-
14 ing—

15 (i) the intensification and frequency of
16 droughts, floods, wildfires, tropical storms,
17 and other extreme weather events;

18 (ii) changes in historical severe weath-
19 er, drought, and wildfire patterns;

20 (iii) the expansion of geographical
21 ranges of droughts, floods, and wildfires
22 into regions that had not regularly experi-
23 enced such phenomena;

1 (iv) global sea level rise patterns and
2 the expansion of geographical ranges af-
3 fected by drought; and

4 (v) changes in marine environments
5 that effect critical geostrategic waterways,
6 such as the Arctic Ocean, the South China
7 Sea, the South Pacific Ocean, the Barents
8 Sea, and the Beaufort Sea.

9 (7) GREEN CLIMATE FUND.—The term “Green
10 Climate Fund” means the independent, multilateral
11 fund—

12 (A) established by parties to the United
13 Nations Framework Convention on Climate
14 Change; and

15 (B) adopted by decision as part of the fi-
16 nancial mechanism of the United Nations
17 Framework Convention on Climate Change.

18 (8) PARIS AGREEMENT.—The term “Paris
19 Agreement” means the annex to Decision 1/CP.21
20 adopted by the 21st Conference of Parties of the
21 United Nations Framework Convention on Climate
22 Change in Paris, France, on December 12, 2015.

23 (9) RESILIENCE.—The term “resilience” means
24 the ability of human made and natural systems (in-
25 cluding their component parts) to anticipate, absorb,

1 cope, accommodate, or recover from the effects of a
2 hazardous event in a timely and efficient manner, in-
3 cluding through ensuring the preservation, restora-
4 tion, or improvement of its essential basic structures
5 and functions. It is not preparedness or response.

6 **SEC. 30602. ENHANCING SECURITY CONSIDERATIONS FOR**
7 **GLOBAL CLIMATE DISRUPTIONS.**

8 (a) IN GENERAL.—The Secretary of State, in con-
9 sultation with the heads of other relevant Federal agen-
10 cies, shall conduct biennial comprehensive evaluations of
11 present and ongoing disruptions to the global climate sys-
12 tem, including—

13 (1) the intensity, frequency, and range of nat-
14 ural disasters;

15 (2) the scarcity of global natural resources, in-
16 cluding fresh water;

17 (3) global food, health, and energy insecurities;

18 (4) conditions that contribute to—

19 (A) intrastate and interstate conflicts;

20 (B) foreign political and economic insta-
21 bility;

22 (C) international migration of vulnerable
23 and underserved populations;

24 (D) the failure of national governments;

25 and

1 (E) gender-based violence; and

2 (5) United States and allied military readiness,
3 operations, and strategy.

4 (b) PURPOSES.—The purposes of the evaluations con-
5 ducted under subsection (a) are—

6 (1) to support the practical application of sci-
7 entific data and research on climate change’s dy-
8 namic effects around the world to improve resilience,
9 adaptability, security, and stability despite growing
10 global environmental risks and changes;

11 (2) to ensure that the strategic planning and
12 mission execution of United States international de-
13 velopment and diplomatic missions adequately ac-
14 count for heightened and dynamic risks and chal-
15 lenges associated with the effects of climate change;

16 (3) to improve coordination between United
17 States science agencies conducting research and
18 forecasts on the causes and effects of climate change
19 and United States national security agencies;

20 (4) to better understand the disproportionate
21 effects of global climate disruptions on women, girls,
22 indigenous communities, and other historically
23 marginalized populations; and

24 (5) to inform the development of the climate se-
25 curity strategy described in subsection (d).

1 (c) SCOPE.—The evaluations conducted under sub-
2 section (a) shall—

3 (1) examine developing countries' vulnerabilities
4 and risks associated with global, regional, and local-
5 ized effects of climate change; and

6 (2) assess and make recommendations on nec-
7 essary measures to mitigate risks and reduce
8 vulnerabilities associated with effects, including—

9 (A) sea level rise;

10 (B) freshwater resource scarcity;

11 (C) wildfires; and

12 (D) increased intensity and frequency of
13 extreme weather conditions and events, such as
14 flooding, drought, and extreme storm events, in-
15 cluding tropical cyclones.

16 (d) CLIMATE SECURITY STRATEGY.—The Secretary
17 shall use the evaluations required under subsection (a)—

18 (1) to inform the development and implementa-
19 tion of a climate security strategy for the Bureau of
20 Conflict and Stabilization Operations, the Bureau of
21 Political-Military Affairs, embassies, consulates, re-
22 gional bureaus, and other offices and programs oper-
23 ating chief of mission authority, including those with
24 roles in conflict avoidance, prevention and security

1 assistance, or humanitarian disaster response, pre-
2 vention, and assistance; and

3 (2) in furtherance of such strategy, to assess,
4 develop, budget for, and (upon approval) implement
5 plans, policies, and actions—

6 (A) to account for the impacts of climate
7 change to global human health, safety, govern-
8 ance, oceans, food production, fresh water and
9 other critical natural resources, settlements, in-
10 frastructure, marginalized groups, and eco-
11 nomic activity;

12 (B) to evaluate the climate change vulner-
13 ability, security, susceptibility, and resiliency of
14 United States interests and non-defense assets
15 abroad;

16 (C) to coordinate the integration of climate
17 change risk and vulnerability assessments into
18 all foreign policy and security decision-making
19 processes, including awarding foreign assist-
20 ance;

21 (D) to evaluate specific risks to certain re-
22 gions and countries that are—

23 (i) vulnerable to the effects of climate
24 change; and

1 (ii) strategically significant to the
2 United States;

3 (E) to enhance the resilience capacities of
4 foreign countries to the effects of climate
5 change as a means of reducing the risks of con-
6 flict and instability;

7 (F) to advance principles of good govern-
8 ance by encouraging foreign governments, par-
9 ticularly nations that are least capable of cop-
10 ing with the effects of climate change—

11 (i) to conduct climate security evalua-
12 tions; and

13 (ii) to facilitate the development of cli-
14 mate security action plans to ensure sta-
15 bility and public safety in disaster situa-
16 tions in a humane and responsible fashion;

17 (G) to evaluate the vulnerability, security,
18 susceptibility, and resiliency of United States
19 interests and nondefense assets abroad;

20 (H) to build international institutional ca-
21 pacity to address climate security implications
22 and to advance United States interests, regional
23 stability, and global security; and

24 (I) other activities that advance—

1 (i) the utilization and integration of
2 climate science in national security plan-
3 ning; and

4 (ii) the clear understanding of how
5 the effects of climate change can exacer-
6 bate security risks and threats.

7 (e) REPORT.—Not later than 180 days after the date
8 of the enactment of this Act and every two years there-
9 after for the following 20 years, the Secretary of State,
10 in consultation with the heads of other relevant Federal
11 departments and agencies shall submit to the Committee
12 on Foreign Relations and the Committee on Appropria-
13 tions of the Senate and the Committee on Foreign Affairs
14 and the Committee on Appropriations of the House of
15 Representatives an unclassified report, with a classified
16 annex if necessary, that includes—

17 (1) a review of the efforts, initiatives, and pro-
18 grams in support of the strategy in subsection (c),
19 as well as—

20 (A) an assessment of the funding expended
21 by relevant Federal departments and agencies
22 on emerging events exacerbated by climate
23 change and the legal, procedural, and resource
24 constraints faced by the Department of State
25 and the United States Agency for International

1 Development throughout respective budgeting,
2 strategic planning, and management cycles to
3 support the prevention of and response to
4 emerging events exacerbated by climate change;

5 (B) current annual global assessments of
6 emerging events exacerbated by climate change;

7 (C) recommendations to further strengthen
8 United States capabilities described in this sec-
9 tion; and

10 (D) consideration of analysis, reporting,
11 and policy recommendations by civil society,
12 academic, and nongovernmental organizations
13 and institutions, and partner countries to pre-
14 vent and respond to emerging events exacer-
15 bated by climate change;

16 (2) recommendations to ensure shared responsi-
17 bility by—

18 (A) enhancing multilateral mechanisms for
19 preventing, mitigating, and responding to
20 emerging events exacerbated by climate change;
21 and

22 (B) strengthening regional organizations;
23 and

1 (3) the implementation status of the rec-
2 ommendations included in the review under para-
3 graph (1).

4 (f) REPORT BY THE DIRECTOR OF NATIONAL INTEL-
5 LIGENCE.—The Director of National Intelligence is en-
6 couraged to include, in the Director’s annual (or more
7 often as appropriate) unclassified testimony, accompanied
8 by a classified annex, if necessary, to Congress on threats
9 to United States national security—

10 (1) a review of countries and regions at risk of
11 emerging events exacerbated by climate change; and

12 (2) whenever possible, specific identification of
13 countries and regions at immediate risk of emerging
14 events exacerbated by climate change.

15 **SEC. 30603. BALANCING ACCOUNTABILITY AND COOPERA-**
16 **TION WITH CHINA.**

17 It is the sense of Congress that—

18 (1) successful mitigation of global greenhouse
19 gas emissions and changes to the environment re-
20 quire global cooperation and coordination of efforts,
21 as well as holding other countries such as the Peo-
22 ple’s Republic of China (PRC) accountable for their
23 actions and commitments to ensure a level playing
24 field with the United States and its allies and part-
25 ners;

1 (2) other countries look toward the United
2 States and the PRC, as the world's largest emitters
3 and largest economies, for leadership by example to
4 effectively mitigate greenhouse gas emissions, de-
5 velop and deploy energy generation technologies, and
6 integrate sustainable adaptation solutions to the in-
7 evitable effects of climate change;

8 (3) given the volume of the PRC's greenhouse
9 gas emissions and the scientific imperative to swiftly
10 reduce global greenhouse gas emissions to net-zero
11 emissions around 2050, China should—

12 (A) revise its long-term pledge;

13 (B) seek to immediately peak its emissions;

14 (C) begin reducing its greenhouse gas
15 emissions significantly to meet a more ambi-
16 tious long-term 2050 reductions target; and

17 (D) update its nationally determined con-
18 tribution along a trajectory that aligns with
19 achieving a more ambitious net-zero by 2050
20 emissions target;

21 (4) it is in the United States national interest
22 to emphasize the environment and climate change in
23 its bilateral engagement with the PRC, as global cli-
24 mate risks cannot be mitigated without a significant
25 reduction in PRC domestic and overseas emissions;

1 (5) the United States and the PRC, to the ex-
2 tent practicable, should coordinate on making and
3 delivering ambitious pledges to reduce greenhouse
4 gas emissions, with aspirations towards achieving
5 net zero greenhouse gas emissions by 2050;

6 (6) the United States and its allies and part-
7 ners should work together, using diplomatic and eco-
8 nomic tools, to hold the PRC accountable for any
9 failure by the PRC—

10 (A) to increase ambition in its 2030 na-
11 tionally determined contribution, in line with
12 net zero greenhouse gas emissions by 2050 be-
13 fore the 26th Conference of the Parties to the
14 UNFCCC scheduled for November 2021 and
15 meeting a more ambitious nationally determined
16 contribution;

17 (B) to work faithfully to uphold the prin-
18 ciples, goals, and rules of the Paris Agreement;

19 (C) to avoid and prohibit efforts to under-
20 mine or devolve the Paris Agreement's rule or
21 underlying framework, particularly within areas
22 of accountability transparency, and shared re-
23 sponsibility among all parties;

24 (D) to eliminate greenhouse gas intensive
25 projects from the PRC's Belt and Road Initia-

1 tive and other overseas investments, includ-
2 ing—

3 (i) working with United States allies
4 and partners to eliminate support for coal
5 power production projects in the Belt and
6 Road Initiative;

7 (ii) providing financing and project
8 support for cleaner and less risky alter-
9 natives; and

10 (iii) undertaking “parallel initiatives”
11 to enhance capacity building programs and
12 overseas sustainable investment criteria,
13 including in areas such as integrated en-
14 ergy planning, power sector reform, just
15 transition, distributed generation, procure-
16 ment, transparency, and standards to sup-
17 port low-emissions growth in developing
18 countries; and

19 (E) to phase out existing coal power plants
20 and reduce net coal power production;

21 (7) the United States should pursue confidence-
22 building opportunities for the United States and the
23 PRC to undertake “parallel initiatives” on clean en-
24 ergy research, development, finance, and deploy-
25 ment, including through economic and stimulus

1 measures with clear, mutually agreed upon rules and
2 policies to protect intellectual property, ensure equi-
3 table, nonpunitive provision of support, and verify
4 implementation, which would provide catalytic
5 progress towards delivering a global clean energy
6 transformation that benefits all people;

7 (8) the United States should pursue cooperative
8 initiatives to reduce global deforestation, including
9 efforts to shift toward the import and consummation
10 of forest and agricultural commodities that are pro-
11 duced in a manner that does not contribute to defor-
12 estation; and

13 (9) the United States should pursue appro-
14 priate scientific cooperative exchanges and research
15 that align with United States interests and those of
16 its international partners and allies, provide reci-
17 procity of access, protect intellectual property rights,
18 and preserve the values and human rights interests
19 of the American people.

20 **SEC. 30604. PROMOTING RESPONSIBLE DEVELOPMENT AL-**
21 **TERNATIVES TO THE PEOPLE'S REPUBLIC OF**
22 **CHINA'S BELT AND ROAD INITIATIVE.**

23 (a) IN GENERAL.—The President should seek oppor-
24 tunities to partner with multilateral development finance
25 institutions to develop financing tools based on shared de-

1 velopment finance criteria and mechanisms to support in-
2 vestments in developing countries that—

3 (1) support low carbon economic development;

4 and

5 (2) promote resiliency and adaptation to envi-
6 ronmental changes and natural disasters.

7 (b) PARTNERSHIP AGREEMENT.—The Chief Execu-
8 tive Officer of the United States International Develop-
9 ment Finance Corporation should seek to partner with
10 other multilateral development finance institutions and de-
11 velopment finance institutions to leverage the respective
12 available funds to support low carbon economic develop-
13 ment, which may include clean energy including renewable
14 and nuclear energy projects, environmental adaptation,
15 and resilience activities in countries.

16 (c) CO-FINANCING OF INFRASTRUCTURE
17 PROJECTS.—

18 (1) AUTHORIZATION.—Subject to paragraph
19 (2), the Secretary of State, the Administrator of the
20 United States Agency for International Develop-
21 ment, and the heads of other relevant Federal agen-
22 cies are authorized to co-finance infrastructure, re-
23 siliency, and environmental adaptation projects that
24 advance the development objectives of the United
25 States overseas and provide viable alternatives to

1 projects that would otherwise be included within the
2 People's Republic of China's Belt and Road Initia-
3 tive.

4 (2) CONDITIONS.—Co-financing arrangements
5 authorized pursuant to paragraph (1) may not be
6 approved unless—

7 (A) the projects to be financed—

8 (i) promote the public good;

9 (ii) promote United States national
10 security or economic interests;

11 (iii) promote low carbon emissions, in-
12 cluding clean energy renewable and nuclear
13 energy projects; and

14 (iv) will have substantially lower envi-
15 ronmental impact than the proposed Belt
16 and Road Initiative alternative; and

17 (B) the Committee on Foreign Relations of
18 the Senate and the Committee on Foreign Af-
19 fairs of the House of Representatives, as well as
20 the relevant committees of jurisdiction for the
21 House of Representatives and Senate with over-
22 sight of the Federal agency engaged in the co-
23 financing relationship, are notified not later
24 than 15 days in advance of entering into such
25 co-financing arrangements.

1 **SEC. 30605. USING CLIMATE DIPLOMACY TO BETTER SERVE**
2 **NATIONAL SECURITY AND ECONOMIC INTER-**
3 **ESTS.**

4 (a) IN GENERAL.—The President and the Secretary
5 of State shall prioritize climate action and climate diplo-
6 macy in United States foreign policy by—

7 (1) ensuring diplomacy, support, and inter-
8 agency coordination for bilateral and multilateral ac-
9 tions to address the climate crisis; and

10 (2) improving coordination and integration of
11 climate action across all bureaus and United States
12 missions abroad.

13 (b) CLIMATE ACTION INTEGRATION.—The Secretary
14 of State shall—

15 (1) prioritize climate action and clean energy
16 within the bureaus and offices under the leadership
17 of the Under Secretary for Economic Growth, En-
18 ergy, and the Environment;

19 (2) ensure that such bureaus and offices are co-
20 ordinating with other bureaus of the Department of
21 State regarding the integration of climate action and
22 climate diplomacy as a cross-cutting imperative
23 across the Department of State;

24 (3) encourage all Under Secretaries of State—

1 (A) to assess how issues related to climate
2 change and United States climate action are in-
3 tegrated into their operations and programs;

4 (B) to coordinate crosscutting actions and
5 diplomatic efforts that relate to climate action;
6 and

7 (C) to make available the technical assist-
8 ance and resources of the bureaus and offices
9 with relevant expertise to provide technical as-
10 sistance and expert support to other bureaus
11 within the Department of State regarding cli-
12 mate action, clean energy development, and cli-
13 mate diplomacy;

14 (4) manage the integration of scientific data on
15 the current and anticipated effects of climate change
16 into applied strategies and diplomatic engagements
17 across programmatic and regional bureaus of the
18 Department of State and into the Department of
19 State's decision making processes;

20 (5) ensure that the relevant bureaus and offices
21 provide appropriate technical support and re-
22 sources—

23 (A) to the President, the Secretary of
24 State, and their respective designees charged

1 with addressing climate change and associated
2 issues;

3 (B) to United States diplomats advancing
4 United States foreign policy related to climate
5 action; and

6 (C) for the appropriate engagement and
7 integration of relevant domestic agencies in
8 international climate change affairs, including
9 United States participation in multilateral fora;
10 and

11 (6) carry out other activities, as directed by the
12 Secretary of State, that advance United States cli-
13 mate-related foreign policy objectives, including glob-
14 al greenhouse gas mitigation, climate change adapta-
15 tion activities, and global climate security.

16 (c) RESPONSIBILITIES OF THE UNDER SECRETARY
17 OF STATE FOR POLITICAL AFFAIRS.—The Under Sec-
18 retary of State for Political Affairs shall ensure that all
19 foreign missions are—

20 (1) advancing United States bilateral climate
21 diplomacy;

22 (2) engaging strategically on opportunities for
23 bilateral climate action cooperation with foreign gov-
24 ernments; and

1 (3) utilizing the technical resources and coordi-
2 nating adequately with the bureaus reporting to the
3 Under Secretary of State for Economic Growth, En-
4 ergy and the Environment.

5 (d) REPORT.—Not later than 200 days after the date
6 of the enactment of this Act, the Under Secretary of State
7 for Economic Growth, Energy, and the Environment, in
8 cooperation with the Under Secretary of State for Political
9 Affairs, shall submit to the appropriate congressional com-
10 mittees a report that—

11 (1) assesses how climate action and United
12 States climate diplomacy is integrated across the
13 Bureaus of the Department of State; and

14 (2) includes recommendations on strategies to
15 improve cross bureau coordination and under-
16 standing of United States climate action and climate
17 diplomacy.

18 (e) EFFECT OF ELIMINATION OF POSITIONS.—If the
19 positions of Under Secretary of State for Economic
20 Growth, Energy, and the Environment and the Undersec-
21 retary of State for Political Affairs are eliminated or un-
22 dergo name changes, the responsibilities of such Under
23 Secretaries under this section shall be reassigned to other
24 Under Secretaries of State, as appropriate.

25 (f) CLIMATE CHANGE OFFICERS.—

1 (1) IN GENERAL.—The Secretary of State shall
2 establish and staff Climate Change Officer positions.
3 Such Officers shall serve under the supervision of
4 the appropriate chief of mission or the Under Sec-
5 retary for Economic Growth, Energy, and the Envi-
6 ronment of the Department of State, as the case
7 may be. The Secretary shall ensure each embassy,
8 consulate, and diplomatic mission to which such Of-
9 ficers are assigned pursuant to paragraph (2) has
10 sufficient additional and appropriate staff to support
11 such Officers.

12 (2) ASSIGNMENT.—Climate Change Officers
13 shall be assigned to the following posts:

14 (A) United States embassies, or, if appro-
15 priate, consulates.

16 (B) United States diplomatic missions to,
17 or liaisons with, regional and multilateral orga-
18 nizations, including the United States diplo-
19 matic missions to the European Union, African
20 Union, Organization of American States, Arctic
21 Council, and any other appropriate regional or-
22 ganization, and the United Nations and its rel-
23 evant specialized agencies.

24 (C) Other posts as designated by the Sec-
25 retary.

1 (3) RESPONSIBILITIES.—Each Climate Change
2 Officer shall—

3 (A) provide expertise on effective ap-
4 proaches to—

5 (i) mitigate the emission of gases
6 which contribute to global climate change
7 and formulate national and global plans
8 for reducing such gross and net emissions;
9 and

10 (ii) reduce the detrimental impacts at-
11 tributable to global climate change, and
12 adapt to such impacts;

13 (B) engage and convene, in a manner that
14 is equitable, inclusive, and just, with individuals
15 and organizations which represent a govern-
16 ment office, a nongovernmental organization, a
17 social or political movement, a private sector
18 entity, an educational or scientific institution,
19 or any other entity concerned with—

20 (i) global climate change; the emission
21 of gases which contribute to global climate
22 change; or

23 (ii) reducing the detrimental impacts
24 attributable to global climate change;

1 (C) facilitate engagement by United States
2 entities in bilateral and multilateral cooperation
3 on climate change; and

4 (D) carry out such other responsibilities as
5 the Secretary may assign.

6 (4) RESPONSIBILITIES OF UNDER SEC-
7 RETARY.—The Under Secretary for Economic
8 Growth, Energy, and the Environment of the De-
9 partment of State shall, including by acting through
10 the Bureau of Oceans and International Environ-
11 mental and Scientific Affairs of the Department of
12 State—

13 (A) provide policy guidance to Climate
14 Change Officers established under this sub-
15 section;

16 (B) develop relations with, consult with,
17 and provide assistance to relevant individuals
18 and organizations concerned with studying,
19 mitigating, and adapting to global climate
20 change, or reducing the emission of gases which
21 contribute to global climate change; and

22 (C) assist officers and employees of re-
23 gional bureaus of the Department of State to
24 develop strategies and programs to promote
25 studying, mitigating, and adapting to global cli-

1 mate change, or reducing the emission of gases
2 which contribute to global climate change.

3 (g) ACTIONS BY CHIEFS OF MISSION.—Each chief of
4 mission in a foreign country shall—

5 (1) develop, as part of annual joint strategic
6 plans or equivalent program and policy planning, a
7 strategy to promote actions to improve and increase
8 studying, mitigating, and adapting to global climate
9 change, or reducing the emission of gases which con-
10 tribute to global climate change by—

11 (A) consulting and coordinating with and
12 providing support to relevant individuals and
13 organizations, including experts and other pro-
14 fessionals and stakeholders on issues related to
15 climate change; and

16 (B) holding periodic meetings with such
17 relevant individuals and organizations relating
18 to such strategy; and

19 (2) hold ongoing discussions with the officials
20 and leaders of such country regarding progress to
21 improve and increase studying, mitigating, and
22 adapting to global climate change, or reducing the
23 emission of gases which contribute to global climate
24 change in a manner that is equitable, inclusive, and
25 just in such country; and

1 (3) certify annually to the Secretary of State
2 that to the maximum extent practicable, consider-
3 ations related to climate change adaptation and
4 mitigation, sustainability, and the environment were
5 incorporated in activities, management, and oper-
6 ations of the United States embassy or other diplo-
7 matic post under the director of the chief of mission.

8 (h) TRAINING.—Not later than 180 days after the
9 date of the enactment of this Act, the Secretary of State
10 shall establish curriculum at the Department of State’s
11 Foreign Service Institute that supplements political and
12 economic reporting tradecraft courses in order to provide
13 employees of the Department with specialized training
14 with respect to studying, mitigating, and adapting to glob-
15 al climate change, or reducing the emission of gases which
16 contribute to global climate change. Such training shall
17 include the following:

18 (1) Awareness of the full range of national and
19 subnational agencies, offices, personnel, statutory
20 authorities, funds, and programs involved in the
21 international commitments of the United States re-
22 garding global climate change and the emission of
23 gases which contribute to global climate change, the
24 science of global climate change, and methods for
25 mitigating and adapting to global climate change.

1 (2) Awareness of methods for mitigating and
2 adapting to global climate change and reducing the
3 emission of gases which contribute to global climate
4 change that are equitable, inclusive, and just.

5 (3) Familiarity with United States agencies,
6 multilateral agencies, international financial institu-
7 tions, and the network of donors providing assist-
8 ance to mitigate and adapt to global climate change.

9 (4) Awareness of the most frequently an-
10 nounced goals and methods of the entities specified
11 in subsection (f)(3)(B).

12 (i) CONTRACTING.—Contracting and agreements offi-
13 cers of the Department of State, and other United States
14 embassy personnel responsible for contracts, grants, or ac-
15 quisitions, shall receive training on evaluating proposals,
16 solicitations, and bids, for considerations related to sus-
17 tainability and adapting to or mitigating impacts from cli-
18 mate change.

19 (j) REPORTING.—Not later than 180 days after the
20 date of the enactment of this Act and biennially thereafter,
21 the Secretary of State shall submit to the appropriate con-
22 gressional committees a report that includes a detailed
23 breakdown of posts at which staff are assigned the role
24 of Climate Change Officer, the responsibilities to which

1 they have been assigned, and the strategies developed by
2 the chief of mission, as applicable.

3 (k) CLIMATE CHANGE SUPPORT AND FINANCING.—
4 The Secretary of State shall facilitate the coordination
5 among the Department of State and other relevant Fed-
6 eral departments and agencies toward contributing tech-
7 nical cooperation, engagement, development finance, or
8 foreign assistance relevant to United States international
9 climate action and in support of United States climate di-
10 plomacy.

11 (l) SENSE OF CONGRESS.—It is the sense of Congress
12 that climate diplomacy tools as described in this section
13 are critical for demonstrating the commitment to include
14 climate changes issues as core tenets of foreign policy pri-
15 orities, as well as preserving the United States' role as
16 a global leader on climate change action.

17 **SEC. 30606. DRIVING A GLOBAL CLIMATE CHANGE RESIL-**
18 **IENCE STRATEGY.**

19 (a) AMENDMENT.—Section 117 of the Foreign As-
20 sistance Act of 1961 (22 U.S.C. 2151p) is amended—

21 (1) in subsection (b)—

22 (A) by inserting “(1)” after “(b)”; and

23 (B) by adding at the end the following:

24 “(2)(A) The President is authorized to furnish assist-
25 ance to programs and initiatives that—

1 “(i) promote resilience among communities fac-
2 ing harmful impacts from climate change; and

3 “(ii) reduce the vulnerability of persons affected
4 by climate change.

5 “(B) There shall be, in the Department of State, a
6 Coordinator of Climate Change Resilience.”; and

7 (2) by adding at the end the following:

8 “(d)(1) The Secretary of State, in coordination with
9 the Administrator of the United States Agency for Inter-
10 national Development, shall establish a comprehensive, in-
11 tegrated, 10-year strategy, which shall be referred to as
12 the ‘Global Climate Change Resilience Strategy’, to miti-
13 gate the impacts of climate change on displacement and
14 humanitarian emergencies.

15 “(2) The Global Climate Change Resilience Strategy
16 shall—

17 “(A) focus on addressing slow-onset and rapid-
18 onset effects of events caused by climate change,
19 consider the effects of events caused by climate
20 change, and describe the key features of successful
21 strategies to prevent such conditions;

22 “(B) include specific objectives and multise-
23 ctoral approaches to the effects of events caused by
24 climate change;

1 “(C) promote United States national security
2 and economic interests while leading international
3 climate-related policymaking efforts, on which the
4 absence of United States leadership would lead to a
5 substantial and harmful decline in the nation’s glob-
6 al competitiveness;

7 “(D) promote international instruments on cli-
8 mate action and other relevant international stand-
9 ards and best practices, as such standards and prac-
10 tices develop, that serve the interests of the Amer-
11 ican people and protect United States environmental
12 resources and the planet;

13 “(E) promote the adoption and implementation
14 of such international climate-related agreements,
15 standards, and practices by foreign states;

16 “(F) work with United States allies and part-
17 ners to ensure a level playing field exists when it
18 comes to climate action and to encourage and assist
19 foreign countries to make similar or even greater
20 commitments than the United States;

21 “(G) describe approaches that ensure national
22 leadership, as appropriate, and substantively engage
23 with civil society, local partners, and the affected
24 communities, including marginalized populations and
25 underserved populations, in the design, implementa-

1 tion, and monitoring of climate change programs to
2 best safeguard the future of those subject to dis-
3 placement;

4 “(H) assign roles for relevant Federal agencies
5 to avoid duplication of efforts, while ensuring that—

6 “(i) the Department of State is responsible
7 for—

8 “(I) leading the Global Climate
9 Change Resilience Strategy;

10 “(II) establishing United States for-
11 eign policy;

12 “(III) advancing diplomatic and polit-
13 ical efforts; and

14 “(IV) guiding security assistance and
15 related civilian security efforts to mitigate
16 climate change threats;

17 “(ii) the United States Agency for Inter-
18 national Development is—

19 “(I) responsible for overseeing pro-
20 grams to prevent the effects of events
21 caused by climate change;

22 “(II) the lead implementing agency
23 for development and related nonsecurity
24 program policy related to building resil-
25 ience and achieving recovery; and

1 “(III) responsible for providing over-
2 seas humanitarian assistance to respond to
3 international and internal displacement
4 caused by climate change and to coordi-
5 nate the pursuit of durable solutions for
6 climate-displaced persons; and

7 “(iii) other Federal agencies support the
8 activities of the Department of State and the
9 United States Agency for International Devel-
10 opment, as appropriate, with the concurrence of
11 the Secretary of State and the Administrator of
12 the United States Agency for International De-
13 velopment;

14 “(I) describe programs that agencies will under-
15 take to achieve the stated objectives, including de-
16 scriptions of existing programs and funding by fiscal
17 year and account;

18 “(J) identify mechanisms to improve coordina-
19 tion between the United States, foreign govern-
20 ments, and international organizations, including the
21 World Bank, the United Nations, regional organiza-
22 tions, and private sector organizations;

23 “(K) address efforts to expand public-private
24 partnerships and leverage private sector resources;

1 “(L) describe the criteria, metrics, and mecha-
2 nisms for monitoring and evaluation of programs
3 and objectives in the Global Climate Change Resil-
4 ience Strategy;

5 “(M) describe how the Global Climate Change
6 Resilience Strategy will ensure that programs are
7 country-led and context-specific;

8 “(N) establish a program to monitor climate
9 and social conditions to anticipate and prevent cli-
10 mate and environmental stressors from evolving into
11 national security risks;

12 “(O) include an assessment of climate risks in
13 the Department of State’s Quadrennial Diplomacy
14 and Development Review; and

15 “(P) prioritize foreign aid, to the extent prac-
16 ticable, for international climate resilience in support
17 of this Global Climate Change Resilience Strategy.

18 “(3) Not later than 270 days after the date of the
19 enactment of this subsection, and annually thereafter, the
20 President shall submit a report to the Committee on For-
21 eign Relations of the Senate and the Committee on For-
22 eign Affairs of the House of Representatives, based in part
23 on the information collected pursuant to this section, that
24 details the Global Climate Change Resilience Strategy.

1 The report shall be submitted in unclassified form, but
2 may include a classified annex, if necessary.

3 “(4) Not later than 180 days after the date of the
4 enactment of this subsection, the Secretary of State and
5 the Coordinator of Global Climate Change Resilience shall
6 brief the Committee on Foreign Relations of the Senate
7 and the Committee on Foreign Affairs of the House of
8 Representatives regarding the progress made by the Fed-
9 eral Government in implementing the Global Climate
10 Change Resilience Strategy.

11 “(5)(A) Not later than 270 days after the date of
12 the enactment of this subsection, and annually thereafter,
13 the Comptroller General of the United States, in coopera-
14 tion and consultation with the Secretary of State, shall
15 produce a report evaluating the progress that the Federal
16 Government has made toward incorporating climate
17 change into department and agency policies, including the
18 resources that have been allocated for such purpose.

19 “(B) The report required under subparagraph (A)
20 shall assess—

21 “(i) the degree to which the Department of
22 State and the United States Agency for Inter-
23 national Development (USAID) are—

24 “(I) developing climate change risk assess-
25 ments; and

1 “(II) providing guidance to missions on
2 how to include climate change risks in their in-
3 tegrated country strategies;

4 “(ii) whether the Department of State and
5 USAID have sufficient resources to fulfill the re-
6 quirements described in paragraph (2); and

7 “(iii) any areas in which the Department of
8 State and USAID may lack sufficient resources to
9 fulfill such requirements.”.

10 (b) AUTHORIZATION OF APPROPRIATIONS.—There
11 are authorized to be appropriated such sums as may be
12 necessary to carry out this Global Climate Change Resil-
13 ience Strategy.

14 **SEC. 30607. ADDRESSING INTERNATIONAL CLIMATE**
15 **CHANGE MITIGATION, ADAPTATION, AND SE-**
16 **CURITY.**

17 (a) DEFINITIONS.—In this section:

18 (1) CONVENTION.—The term “Convention”
19 means the United Nations Framework Convention
20 on Climate Change, done at New York May 9, 1992,
21 and entered into force March 21, 1994.

22 (2) MOST VULNERABLE COMMUNITIES AND
23 POPULATIONS.—The term “most vulnerable commu-
24 nities and populations” means communities and pop-
25 ulations that are at risk of substantial adverse ef-

1 fects of climate change and have limited capacity to
2 respond to such effects, including women, impover-
3 ished communities, children, indigenous peoples, and
4 informal workers.

5 (3) MOST VULNERABLE DEVELOPING COUN-
6 TRIES.—The term “most vulnerable developing
7 countries” means, as determined by the Adminis-
8 trator of the United States Agency for International
9 Development, developing countries that are at risk
10 of substantial adverse effects of climate change and
11 have limited capacity to respond to such effects, con-
12 sidering the approaches included in any international
13 treaties and agreements.

14 (4) PROGRAM.—The term “Program” means
15 the International Climate Change Adaptation, Miti-
16 gation, and Security Program established pursuant
17 to subsection (c).

18 (b) PURPOSE.—The purpose of this section is to pro-
19 vide authorities for additional, new, current, and ongoing
20 bilateral and regional international development assist-
21 ance, and, as appropriate, to leverage private resources,
22 in support of host country driven projects, planning, poli-
23 cies, and initiatives designed to improve the ability of host
24 countries—

1 (1) to primarily produce reliable renewable en-
2 ergy and reduce or mitigate carbon emissions from
3 the power sector while facilitating the transition in
4 key global markets from electricity generated from
5 fossil fuel power to low-cost clean energy sources, in
6 a manner that is equitable for workers and commu-
7 nities;

8 (2) to adapt and become more resilient to cur-
9 rent and forecasted effects of climate change; and

10 (3) to employ—

11 (A) sustainable land use practices that
12 mitigate desertification and reduce greenhouse
13 gas emissions from deforestation and forest
14 degradation; and

15 (B) agricultural production practices that
16 reduce poverty while improving soil health, pro-
17 tecting water quality, and increasing food secu-
18 rity and nutrition.

19 (c) ESTABLISHMENT OF PROGRAM.—The Secretary
20 of State, in coordination with the Secretary of the Treas-
21 ury and the Administrator of the United States Agency
22 for International Development (USAID), shall establish a
23 program, to be known as the “International Climate
24 Change Adaptation, Mitigation, and Security Program”,
25 to provide bilateral and regional assistance to developing

1 countries for programs, projects, and activities described
2 in subsection (e).

3 (d) SUPPLEMENT NOT SUPPLANT.—Assistance pro-
4 vided under this section shall be used to supplement, and
5 not to supplant, any other Federal, State, or local re-
6 sources available to carry out activities that fit the charac-
7 teristics of the Program.

8 (e) POLICY.—It shall be the policy of the United
9 States to ensure that the Program provides resources to
10 developing countries, particularly the most vulnerable
11 communities and populations in such countries, to support
12 the development and implementation of programs,
13 projects, and activities that—

14 (1) reduce greenhouse gas emissions through
15 the integration and deployment of clean energy, in-
16 cluding transmission, distribution, and interconnec-
17 tions to renewable energy, while facilitating the tran-
18 sition from electricity generated from fossil fuel
19 power to low-cost renewable energy sources, in a
20 manner that is equitable for workers and commu-
21 nities;

22 (2) address financial or other barriers to the
23 widespread deployment of clean energy technologies
24 that reduce, sequester, or avoid greenhouse gas
25 emissions;

1 (3) improve the availability, viability, and acces-
2 sibility of zero emission vehicles, including support
3 for design and development of transportation net-
4 works and land use practices that mitigate carbon
5 emissions in the transportation sector;

6 (4) support building capacities that may in-
7 clude—

8 (A) developing and implementing meth-
9 odologies and programs for measuring green-
10 house gas emissions and verifying emissions
11 mitigation, including building capacities to con-
12 duct emissions inventories and meet reporting
13 requirements under the Paris Agreement;

14 (B) assessing, developing, and imple-
15 menting technology and policy options for
16 greenhouse gas emissions mitigation and avoid-
17 ance of future emissions, including sector-based
18 and cross-sector mitigation strategies;

19 (C) enhancing the technical capacity of
20 regulatory authorities, planning agencies, and
21 related institutions in developing countries to
22 improve the deployment of clean energy tech-
23 nologies and practices, including through in-
24 creased transparency;

1 (D) training and instruction regarding the
2 installation and maintenance of renewable en-
3 ergy technologies; and

4 (E) activities that support the development
5 and implementation of frameworks for intellec-
6 tual property rights in developing countries;

7 (5) improve resilience, sustainable economic
8 growth, and adaptation capacities in response to the
9 effects of climate change;

10 (6) promote appropriate job training and access
11 to new job opportunities in new economic sectors
12 and industries that emerge due to the transition
13 from fossil fuel energy to clean energy;

14 (7) reduce the vulnerability and increase the re-
15 siliance capacities of communities to the effects of
16 climate change, including effects on—

17 (A) water availability;

18 (B) agricultural productivity and food se-
19 curity;

20 (C) flood risk;

21 (D) coastal resources;

22 (E) biodiversity;

23 (F) economic livelihoods;

24 (G) health and diseases;

25 (H) housing and shelter; and

1 (I) human migration;

2 (8) help countries and communities adapt to
3 changes in the environment through enhanced com-
4 munity planning, preparedness, and growth strate-
5 gies that take into account current and forecasted
6 regional and localized effects of climate change;

7 (9) conserve and restore natural resources, eco-
8 systems, and biodiversity threatened by the effects of
9 climate change to ensure such resources, ecosystems,
10 and biodiversity are healthy and continue to provide
11 natural protections from the effects of climate
12 change such as extreme weather;

13 (10) provide resources, information, scientific
14 data and modeling, innovative best practices, and
15 technical assistance to support vulnerable developing
16 countries to adapt to the effects of climate change;

17 (11) promote sustainable and climate-resilient
18 societies, including through improvements to make
19 critical infrastructure less vulnerable to the effects
20 of climate change;

21 (12) encourage the adoption of policies and
22 measures, including sector-based and cross-sector
23 policies and measures, that substantially reduce, se-
24 quester, or avoid greenhouse gas emissions from the

1 domestic energy and transportation sectors of devel-
2 oping countries;

3 (13) reduce deforestation and land degradation
4 to reduce greenhouse gas emissions and implement
5 sustainable forestry practices;

6 (14) promote sustainable land use activities, in-
7 cluding supporting development planning, design,
8 and construction with respect to transportation sys-
9 tems and land use;

10 (15) promote sustainable agricultural practices
11 that mitigate carbon emissions, conserve soil, and
12 improve food and water security of communities;

13 (16) foster partnerships with private sector en-
14 tities and nongovernmental international develop-
15 ment organizations to assist with developing solu-
16 tions and economic opportunities that support
17 projects, planning, policies, and initiatives described
18 in subsection (b);

19 (17) provide technical assistance and strengthen
20 capacities of developing countries to meet the goals
21 of the conditional nationally determined contribu-
22 tions of those countries;

23 (18) establish investment channels designed to
24 leverage private sector financing in—

25 (A) clean energy;

1 (B) sustainable agriculture and natural re-
2 source management; and

3 (C) the transportation sector as described
4 in paragraph (3); and

5 (19) provide technical assistance and support
6 for non-extractive activities that provide alternative
7 economic growth opportunities while preserving crit-
8 ical habitats and natural carbon sinks.

9 (f) PROVISION OF ASSISTANCE.—

10 (1) IN GENERAL.—The Administrator of
11 USAID, in consultation with other Federal depart-
12 ments and agencies, shall provide assistance under
13 the Program—

14 (A) in the form of bilateral assistance pur-
15 suant to the requirements under subsection (g);

16 (B) to multilateral funds or international
17 institutions with programs for climate mitiga-
18 tion or adaptation in developing countries con-
19 sistent with the policy described in subsection
20 (e); or

21 (C) through a combination of the mecha-
22 nisms specified in subparagraphs (A) and (B).

23 (2) LIMITATION.—

24 (A) CONDITIONAL DISTRIBUTION TO MUL-
25 TILATERAL FUNDS OR INTERNATIONAL INSTI-

1 TUTIONS.—In any fiscal year, the Adminis-
2 trator of USAID may provide up to 40 percent
3 of the assistance available to carry out the Pro-
4 gram to 1 or more multilateral funds or inter-
5 national institutions that meet the requirements
6 of subparagraph (B).

7 (B) MULTILATERAL FUND OR INTER-
8 NATIONAL INSTITUTION ELIGIBILITY.—A multi-
9 lateral fund or international institution is eligi-
10 ble to receive assistance under subparagraph
11 (A)—

12 (i) if—

13 (I) such fund or institution is es-
14 tablished pursuant to—

15 (aa) the Convention; or

16 (bb) an agreement nego-
17 tiated under the Convention; or

18 (II) the assistance is directed to
19 1 or more multilateral funds or inter-
20 national development institutions,
21 pursuant to an agreement negotiated
22 under the Convention; and

23 (ii) if such fund or institution—

24 (I) specifies the terms and condi-
25 tions under which the United States is

1 to provide assistance to the fund or
2 institution, and under which the fund
3 or institution is to provide assistance
4 to recipient countries;

5 (II) ensures that assistance from
6 the United States to the fund or insti-
7 tution and the principal and income of
8 the fund or institution are disbursed
9 only—

10 (aa) to support projects,
11 planning, policies, and initiatives
12 described in subsection (b);

13 (bb) consistent with the pol-
14 icy described in subsection (e);
15 and

16 (cc) in regular consultation
17 with relevant governing bodies of
18 the fund or institution that—

19 (AA) include represen-
20 tation from countries among
21 the most vulnerable devel-
22 oping countries; and

23 (BB) provide public ac-
24 cess.

1 (C) CONGRESSIONAL NOTIFICATION.—The
2 Secretary of State, the Administrator of
3 USAID, or the Secretary of the Treasury shall
4 notify the appropriate congressional committees
5 not later than 15 days before providing assist-
6 ance to a multilateral fund or international in-
7 stitution under this subsection.

8 (3) LOCAL CONSULTATIONS.—Programs,
9 projects, and activities supported by assistance pro-
10 vided under this subsection shall require consulta-
11 tions with local communities, particularly the most
12 vulnerable communities and populations in such
13 communities, and indigenous peoples in areas in
14 which any programs, projects, or activities are
15 planned to engage such communities and peoples
16 through adequate disclosure of information, public
17 participation, and consultation, including full consid-
18 eration of the interdependence of vulnerable commu-
19 nities and ecosystems to promote the resilience of
20 local communities.

21 (g) BILATERAL ASSISTANCE.—

22 (1) IN GENERAL.—Except to the extent incon-
23 sistent with this subsection, the administrative au-
24 thorities under the Foreign Assistance Act of 1961
25 (22 U.S.C. 2151 et seq.) shall apply to the imple-

1 mentation of this subsection to the same extent and
2 in the same manner as such authorities apply to the
3 implementation of such Act in order to provide the
4 Administrator of USAID with the authority to pro-
5 vide assistance to countries, including the most vul-
6 nerable developing countries, for programs, projects,
7 and activities consistent with the purposes described
8 in subsection (b) and the policy described in sub-
9 section (e).

10 (2) CONSIDERATIONS.—In carrying out this
11 subsection, the Administrator shall ensure that—

12 (A) the environmental impact of proposed
13 programs, projects, and activities is considered
14 through adequate consultation, public participa-
15 tion, and public disclosure of relevant informa-
16 tion; and

17 (B) programs, projects, and activities
18 under this subsection—

19 (i) avoid environmental degradation,
20 to the maximum extent practicable; and

21 (ii) are aligned, to the maximum ex-
22 tent practicable, with broader development,
23 poverty alleviation, or natural resource
24 management objectives and initiatives in
25 the recipient country.

1 (3) COMMUNITY ENGAGEMENT.—The Adminis-
2 trator shall seek to ensure that—

3 (A) local communities, particularly the
4 most vulnerable communities and populations in
5 areas in which any programs, projects, or ac-
6 tivities are carried out under this subsection,
7 are engaged in the design, implementation,
8 monitoring, and evaluation of such programs,
9 projects, and activities through disclosure of in-
10 formation, public participation, and consulta-
11 tion; and

12 (B) the needs and interests of the most
13 vulnerable communities and populations are ad-
14 dressed in national or regional climate change
15 adaptation plans developed with USAID sup-
16 port.

17 (4) CONSULTATION AND DISCLOSURE.—For
18 each country receiving assistance under this sub-
19 section, the Administrator shall establish a process
20 for consultation with, and disclosure of information
21 to, local, national, and international stakeholders re-
22 garding any programs, projects, or activities carried
23 out under this subsection.

24 (h) AUTHORIZATION OF APPROPRIATIONS.—There is
25 authorized to be appropriated to carry out this section

1 \$2,000,000,000 for fiscal year 2022 and each fiscal year
2 thereafter.

3 **SEC. 30608. REDUCING THE NEGATIVE IMPACTS FROM**
4 **BLACK CARBON, METHANE, AND HIGH-GWP**
5 **HYDROFLUOROCARBONS.**

6 (a) DEFINITION.—In this section, the term “high-
7 GWP HFC” means newly manufactured
8 hydrofluorocarbons with a global warming potential cal-
9 culated over a 100-year period of greater than 150, as de-
10 scribed in the Fifth Assessment Report of the Intergovern-
11 mental Panel on Climate Change.

12 (b) IN GENERAL.—The President shall direct the
13 United States representatives to appropriate international
14 bodies and conferences to use the voice, vote, and influence
15 of the United States, consistent with the broad foreign pol-
16 icy goals of the United States, to advocate that each such
17 body or conference—

18 (1) commit to significantly increasing efforts to
19 reduce black carbon, methane, and high-GWP HFC;

20 (2) invest in and develop alternative energy
21 sources, industrial and agricultural processes, appli-
22 ances, and products to replace sources of black car-
23 bon, methane, and high-GWP HFC;

24 (3) enhance coordination with the private sec-
25 tor—

1 (A) to increase production and distribution
2 of clean energy alternatives, industrial pro-
3 cesses, and products that will replace sources of
4 black carbon, methane, and high-GWP HFC;

5 (B) to develop action plans to mitigate
6 black carbon, methane, and high-GWP HFC
7 from various private sector operations;

8 (C) to encourage best technology, methods,
9 and management practices for reducing black
10 carbon, methane, and high-GWP HFC;

11 (D) to craft specific financing mechanisms
12 for the incremental costs associated with miti-
13 gating black carbon, methane, and high-GWP
14 HFC pollutants; and

15 (E) to grow economic opportunities and
16 develop markets, as appropriate, for reducing
17 black carbon, methane, tropospheric ozone, and
18 hydrofluorocarbons;

19 (4) provide technical assistance to foreign regu-
20 latory authorities and governments to remove unnec-
21 essary barriers to investment in short-lived climate
22 mitigation solutions, including—

23 (A) the use of safe and affordable clean
24 energy;

1 (B) the implementation of policies requir-
2 ing industrial and agricultural best practices for
3 capturing or mitigating the release of methane
4 from extractive, agricultural, and industrial
5 processes; and

6 (C) climate assessment, scientific research,
7 monitoring, and technological development ac-
8 tivities;

9 (5) develop and implement clear, accountable,
10 and metric-based targets to measure the effective-
11 ness of projects described in paragraph (4); and

12 (6) engage international partners in an existing
13 multilateral forum (or, if necessary, establish
14 through an international agreement a new multilat-
15 eral forum) to improve global cooperation for—

16 (A) creating tangible metrics for evaluating
17 efforts to reduce black carbon, methane, and
18 high-GWP HFC;

19 (B) developing and implementing best
20 practices for phasing out sources of black car-
21 bon, methane, and high-GWP HFC, including
22 expanding capacity for innovative instruments
23 to mitigate black carbon, methane, and high-
24 GWP HFC at the national and subnational lev-
25 els of foreign countries, particularly countries

1 with little capacity to reduce greenhouse gas
2 emissions and deploy clean energy facilities, and
3 countries that lack sufficient policies to advance
4 such development;

5 (C) encouraging the development of stand-
6 ards and practices, and increasing transparency
7 and accountability efforts for the reduction of
8 black carbon, methane, and high-GWP HFC;

9 (D) integrating tracking and monitoring
10 systems into industrial processes;

11 (E) fostering research to improve scientific
12 understanding of—

13 (i) how high concentrations of black
14 carbon, methane, and high-GWP HFC af-
15 fect human health, safety, and our environ-
16 ment;

17 (ii) changes in the amount and re-
18 gional concentrations of black carbon and
19 methane emissions, based on scientific
20 modeling and forecasting;

21 (iii) effective means to sequester black
22 carbon, methane, and high-GWP HFC;
23 and

1 (iv) other related areas of research the
2 United States representatives deem nec-
3 essary;

4 (F) encouraging the World Bank, the
5 International Monetary Fund, and other inter-
6 national finance organizations—

7 (i) to prioritize efforts to combat
8 black carbon, methane, and high-GWP
9 HFC; and

10 (ii) to enhance transparency by pro-
11 viding sufficient and adequate information
12 to facilitate independent verification of
13 their climate finance reporting;

14 (G) encouraging observers of the Arctic
15 Council (including India and China) to adopt
16 mitigation plans consistent with the findings
17 and recommendations of the Arctic Council's
18 Framework for Action on Black Carbon and
19 Methane;

20 (H) collaborating on technological ad-
21 vances in black carbon, methane, and high-
22 GWP HFC pollutant mitigation, sequestration
23 and reduction technologies; and

24 (I) advising foreign countries, at both the
25 national and subnational levels, regarding the

1 development and execution of regulatory poli-
2 cies, services, and laws pertaining to reducing
3 the creation and the collection and safe man-
4 agement of black carbon, methane, and high-
5 GWP HFC.

6 (c) ENHANCING INTERNATIONAL OUTREACH AND
7 PARTNERSHIP OF UNITED STATES AGENCIES INVOLVED
8 IN GREENHOUSE GAS REDUCTIONS.—

9 (1) FINDING.—Congress recognizes the success
10 of the United States Climate Alliance and the green-
11 house gas reduction programs and strategies estab-
12 lished by the Environmental Protection Agency’s
13 Center for Corporate Climate Leadership.

14 (2) AUTHORIZATION OF EFFORTS TO BUILD
15 FOREIGN PARTNERSHIPS.—The Secretary of State
16 shall work with the Administrator of the Environ-
17 mental Protection Agency to build partnerships, as
18 appropriate, with the governments of foreign coun-
19 tries and to support international efforts to reduce
20 black carbon, methane, and high-GWP HFC.

21 (d) NEGOTIATION OF NEW INTERNATIONAL AGREE-
22 MENTS AND REASSERTION OF TARGETS IN EXISTING
23 AGREEMENTS.—Not later than 1 year after the date of
24 the enactment of this Act, the Secretary of State shall sub-
25 mit a report to Congress that—

1 (1) assesses the potential for negotiating new
2 international agreements, new targets within existing
3 international agreements or cooperative bodies, and
4 the creation of a new international forum to mitigate
5 globally black carbon, methane, and high-GWP HFC
6 to support the efforts described in subsection (b);

7 (2) describes the provisions that could be in-
8 cluded in such agreements;

9 (3) assesses potential parties to such agree-
10 ments;

11 (4) describes a process for reengaging with
12 Canada and Mexico regarding the methane targets
13 agreed to at the 2016 North American Leaders'
14 Summit; and

15 (5) describes a process for reengaging with the
16 countries of the Arctic Council regarding the meth-
17 ane and black carbon targets that were negotiated in
18 2015 through the Framework for Action.

19 (e) CONSIDERATION OF BLACK CARBON, METHANE,
20 AND HIGH-GWP HFC IN NEGOTIATING INTERNATIONAL
21 AGREEMENTS.—In negotiating any relevant international
22 agreement with any country or countries after the date
23 of the enactment of this Act, the President shall—

24 (1) consider the impact black carbon, methane,
25 and high-GWP HFC are having on the increase in

1 global average temperatures and the resulting global
2 climate change;

3 (2) consider the effects that climate change is
4 having on the environment; and

5 (3) ensure that the agreement strengthens ef-
6 forts to eliminate black carbon, methane, and high-
7 GWP HFC from such country or countries.

8 (f) PLAN TO REDUCE BLACK CARBON EMISSIONS
9 FROM SHIPS.—Consistent with strategies adopted by the
10 International Maritime Organization to reduce greenhouse
11 gas emissions from ships, the Secretary of State, in con-
12 sultation with the Secretary of Transportation, the Sec-
13 retary of Commerce, the Administrator, and the Com-
14 mandant of the Coast Guard, shall develop a comprehen-
15 sive plan to reduce black carbon emissions from ships
16 based on appropriate emissions data from oceangoing ves-
17 sels. The plan shall provide for such reduction through—

18 (1) a clean freight partnership;

19 (2) limits on black carbon emissions; and

20 (3) efforts that include protection of access to
21 critical fuel shipments and emergency needs of
22 coastal communities.

23 (g) ESTABLISHMENT OF INTERAGENCY WORKING
24 GROUP ON BLACK CARBON, METHANE, AND HIGH-GWP
25 HFC POLLUTANT MITIGATION.—

1 (1) ESTABLISHMENT.—Not later than 90 days
2 after the date of enactment of this Act, the Presi-
3 dent shall establish a task force, to be known as the
4 Interagency Working Group on Black Carbon, Meth-
5 ane, and High-GWP HFC Pollutant Mitigation.

6 (2) MEMBERSHIP.—The members of the Work-
7 ing Group shall include the head (or a designee
8 thereof) of each relevant Federal agency.

9 (3) DUTIES.—The Working Group shall—

10 (A) not later than 180 days after the date
11 of enactment of this Act, submit to the appro-
12 priate congressional committees a report that
13 includes specific plans of each relevant Federal
14 agency—

15 (B) look for opportunities with other coun-
16 tries to promote alternatives to high-GWP
17 HFC, and transition over time to equipment
18 that uses safer and more sustainable alter-
19 natives to high-GWP HFC;

20 (C) review the policy recommendations
21 made by—

22 (i) the Intergovernmental Panel on
23 Climate Change;

24 (ii) the United States Climate Alli-
25 ance;

- 1 (iii) the Interagency Strategy to Re-
- 2 duce Methane Emissions;
- 3 (iv) the Council on Climate Prepared-
- 4 ness and Resilience;
- 5 (v) the Clean Cooking Alliance;
- 6 (vi) the International Maritime Orga-
- 7 nization; and
- 8 (vii) other relevant organizations and
- 9 institutions; and
- 10 (D) develop an action plan to reduce black
- 11 carbon, methane, and high-GWP HFC pollut-
- 12 ants that incorporates any appropriate pro-
- 13 posals or recommendations made by the entities
- 14 referred to in subparagraph (C).

15 **SEC. 30609. BUILDING UNITED STATES ECONOMIC GROWTH**

16 **AND TECHNOLOGICAL INNOVATION**

17 **THROUGH THE GREEN CLIMATE FUND.**

18 (a) GREEN CLIMATE FUND.—

19 (1) FINDINGS.—Congress finds that—

20 (A) climate change most severely impacts

21 vulnerable and disadvantaged communities in

22 the United States and around the world;

23 (B) it is the responsibility of the United

24 States Government to work with and press

1 other countries to address environmental justice
2 and climate justice;

3 (C) the report of the United Nations Envi-
4 ronment Programme entitled “Climate Change
5 and the Cost of Capital in Developing Coun-
6 tries”, dated May 2018, found that, in the 10
7 years prior to the publication of the report, cli-
8 mate vulnerability has cost the 20 nations most
9 affected by catastrophes rooted in climate
10 change an additional \$62,000,000,000 in inter-
11 est payments alone;

12 (D) individuals and families, particularly
13 communities of color, indigenous communities,
14 and low-income communities, that are on the
15 frontlines of climate change across the globe are
16 often in close proximity to environmental
17 stressors or sources of pollution;

18 (E) the communities described in subpara-
19 graph (D)—

20 (i) are often the first exposed to the
21 causes and impacts of climate change; and

22 (ii) have the fewest resources with
23 which to mitigate those impacts or to relo-
24 cate;

1 (F) all efforts to adapt to and mitigate cli-
2 mate change must include specific protections
3 for and acknowledgment of the harm of climate
4 change to communities of color, indigenous peo-
5 ples, women, and other frontline communities
6 and marginalized peoples around the world;

7 (G) in Paris, on December 12, 2015, the
8 parties to the United Nations Framework Con-
9 vention on Climate Change adopted the Paris
10 Agreement, a benchmark agreement—

11 (i) to combat climate change;

12 (ii) to accelerate and intensify the ac-
13 tions and investments needed for a sus-
14 tainable low carbon future; and

15 (iii) that acknowledges, “Parties
16 should, when taking action to address cli-
17 mate change, respect, promote and con-
18 sider their respective obligations on human
19 rights, the right to health, the rights of in-
20 digenous peoples, local communities, mi-
21 grants, children, persons with disabilities
22 and people in vulnerable situations and the
23 right to development, as well as gender
24 equality, empowerment of women and in-
25 tergenerational equity”;

1 (H) the Paris Agreement—

2 (i) notes the importance of “climate
3 justice” when mitigating and adapting to
4 climate change; and

5 (ii) recognizes “the need for an effec-
6 tive and progressive response to the urgent
7 threat of climate change”;

8 (I) it is imperative for all countries to un-
9 dertake mitigation activities to rapidly meet the
10 goal of limiting global warming to not more
11 than 1.5 degrees Celsius;

12 (J) developed countries have the greatest
13 capacity to mitigate their greenhouse gas emis-
14 sions, while—

15 (i) developing countries have the least
16 capacity to engage in mitigation activities;
17 and

18 (ii) the capacity of developing coun-
19 tries to engage in mitigation activities is
20 less than the national mitigation potential
21 of those developing countries;

22 (K) the determination for the fair share of
23 mitigation and adaptation activities for each
24 country must take into account—

1 (i) the historic greenhouse gas emis-
2 sions of each country; and

3 (ii) the current capacity of each coun-
4 try to both mitigate greenhouse gas emis-
5 sions and adapt to climate impacts;

6 (L) developed countries that have histori-
7 cally emitted a disproportionately high share of
8 greenhouse gas emissions, and reaped the eco-
9 nomic benefits of those polluting activities, have
10 a corresponding disproportionately greater re-
11 sponsibility to engage in global mitigation and
12 adaptation activities, as compared to less indus-
13 trialized countries that have historically polluted
14 far less;

15 (M) the only realistic way for less industri-
16 alized countries to meet their full mitigation po-
17 tential is through international climate financ-
18 ing by more developed countries;

19 (N) in the 2009 Copenhagen Accord, devel-
20 oped countries committed to jointly mobilize,
21 starting in 2020, \$100,000,000,000 per year in
22 public climate financing (as well as private in-
23 vestment and other alternative forms of fi-
24 nance), for developing countries, a commitment
25 reaffirmed in 2015 in Decision 1/CP.21 of the

1 United Nations Framework Convention on Cli-
2 mate Change, Adoption of the Paris Agreement;

3 (O) the \$100,000,000,000 commitment de-
4 scribed in subparagraph (N) was a political
5 compromise that falls short of the actual fi-
6 nancing needs for climate action in developing
7 countries;

8 (P) Bloomberg New Energy Finance has
9 estimated that the transition to renewable en-
10 ergy sources in developing countries will require
11 hundreds of billions of dollars annually;

12 (Q) the United Nations Environment Pro-
13 gramme has estimated that adaptation needs
14 relating to climate change in developing coun-
15 tries may be as much as \$300,000,000,000 an-
16 nually by 2030;

17 (R) the Green Climate Fund was created
18 in 2010 by 194 countries to serve as a crucial
19 financing mechanism to help developing coun-
20 tries limit or reduce greenhouse gas emissions
21 and adapt to climate change;

22 (S) in 2015, the United Nations Frame-
23 work Convention on Climate Change agreed
24 that the Green Climate Fund should serve the
25 goals of the Paris Agreement, which states that

1 “developed country Parties shall provide finan-
2 cial resources to assist developing country Par-
3 ties with respect to both mitigation and adapta-
4 tion in continuation of their existing obligations
5 under the Convention”;

6 (T) the Green Climate Fund is an essential
7 institution for climate financing, as the Green
8 Climate Fund ensures—

9 (i) balanced governance between de-
10 veloped and developing countries;

11 (ii) stakeholder engagement and dis-
12 course;

13 (iii) a balanced approach between
14 mitigation and adaptation;

15 (iv) fair and equal labor and working
16 conditions;

17 (v) conservation of biodiversity and
18 critical habitats; and

19 (vi) strong environmental, social, and
20 gender protections;

21 (U) the Green Climate Fund—

22 (i) promotes and protects human
23 rights and the rights of marginalized
24 groups, including indigenous peoples,

1 women, children, and people with disabil-
2 ities; and

3 (ii) continues to take steps to
4 strengthen protection for marginalized
5 groups;

6 (iii) the United States committed
7 \$3,000,000,000 of the first
8 \$10,000,000,000 raised for the initial re-
9 source mobilization period of the Green
10 Climate Fund, though only $\frac{1}{3}$ of this
11 pledge was fulfilled, leaving the United
12 States the only country to fall substantially
13 short of a commitment of a country to the
14 Green Climate Fund; and

15 (V) the Green Climate Fund is a fully
16 operational and proven institution supporting
17 well over 100 projects and programs in devel-
18 oping countries around the world.

19 (2) STATEMENT OF POLICY.—It is the policy of
20 the United States to provide climate financing—

21 (A) as an essential part of the global effort
22 to combat climate change; and

23 (B) that—

24 (i) upholds the principles of environ-
25 mental justice and climate justice;

1 (ii) supports programs and projects
2 developed by recipient countries and com-
3 munities;

4 (iii) is designed and implemented with
5 the free, prior, and informed consent of in-
6 digenous peoples and other impacted com-
7 munities;

8 (iv) promotes gender equality as es-
9 sential in all of the projects and programs
10 supported by climate financing;

11 (v) includes best practices for environ-
12 mental and social safeguards to ensure
13 that projects and programs supported by
14 climate financing respect fundamental
15 human rights; and

16 (vi) addresses both mitigation and ad-
17 aptation as essential aspects of responding
18 to climate change.

19 (b) AUTHORIZATION OF APPROPRIATIONS.—There
20 are authorized to be appropriated for contributions to the
21 Green Climate Fund \$4,000,000,000 for each of the fiscal
22 years 2022 and 2023.

23 (c) SENSE OF CONGRESS.—It is the sense of Con-
24 gress that the climate financing needs to achieve the
25 greenhouse gas emissions reductions required to keep the

1 planet at or below 1.5 degrees Celsius of global warming
2 are significantly greater than the amount of funds author-
3 ized to be appropriated under subsection (a).

4 **SEC. 30610. ENSURING A WHOLE-OF-GOVERNMENT RE-**
5 **SPONSE TO CLIMATE ACTION.**

6 (a) ESTABLISHMENT.—The Secretary of State shall
7 establish a Climate Impacts Task Force (referred to in
8 this section as the “Task Force”) with the mandate to—

9 (1) monitor climate and related impacted social
10 conditions to anticipate and prevent climate and en-
11 vironmental stressors from evolving into national se-
12 curity risks;

13 (2) monitor and assess climate action under-
14 taken by other countries in response to national
15 strategies and international commitments, and co-
16 ordinate closely with allies and partners to ensure a
17 coordinated response against any state or non-state
18 actors, including the People’s Republic of China
19 (PRC) and PRC companies, undermining global cli-
20 mate objectives, norms, and practices;

21 (3) strengthen the efforts of the Department of
22 State and the United States Government to act
23 proactively to mitigate the human harms and poten-
24 tial for national security risks resulting from emerg-
25 ing events exacerbated by climate change; and

1 (4) assist other Federal departments and agen-
2 cies, foreign partners, and multilateral organizations
3 in their efforts to do the same.

4 (b) LEADERSHIP.—The Secretary of State shall des-
5 ignate a senior career official, as appropriate, of the De-
6 partment of State to serve as the Chair of the Task Force.
7 Such official shall report to the Secretary of State.

8 (c) RESPONSIBILITIES.—Under the direction of the
9 Chair, the Task Force shall—

10 (1) meet regularly to ensure that events exacer-
11 bated by climate change and the risk of emerging
12 events exacerbated by climate change throughout the
13 world are adequately considered and addressed;

14 (2) facilitate the development and execution of
15 policies and tools to enhance the capacity of the
16 United States to prevent and respond to emerging
17 events exacerbated by climate change worldwide;

18 (3) monitor developments throughout the world
19 that heighten the risk of emerging events exacer-
20 bated by climate change;

21 (4) identify gaps in United States foreign policy
22 related to the prevention of and response to emerg-
23 ing events exacerbated by climate change with re-
24 spect to certain regions or particular countries;

1 (5) incorporate lessons learned from past
2 United States efforts to prevent and respond to
3 emerging events exacerbated by climate change and
4 other impacts that are comparable in scope or sever-
5 ity;

6 (6) provide the Secretary of State with rec-
7 ommendations and potential improvements to poli-
8 cies, programs, resources, and tools related to the
9 prevention of and response to emerging events exac-
10 erbated by climate change;

11 (7) coordinate the Department of State's en-
12 gagement in interagency processes led by the Na-
13 tional Security Council that share the Task Force's
14 objectives;

15 (8) conduct outreach not less frequently than
16 biannually, with representatives of nongovernmental
17 organizations dedicated to the prevention of and re-
18 sponse to emerging events exacerbated by climate
19 change and other appropriate parties, to—

20 (A) receive assistance relating to the Task
21 Force's efforts to address emerging events exac-
22 erbated by climate change and develop new or
23 improved policies, programs, resources, and
24 tools; and

1 (B) provide a public understanding of the
2 work of the Task Force;

3 (9) in carrying out paragraphs (1) through (9),
4 focus on particular ways for the United States to de-
5 velop, strengthen, and enhance its capabilities to—

6 (A) monitor, receive early warning of, and
7 coordinate responses to potential emerging
8 events exacerbated by climate change;

9 (B) engage allies and partners, including
10 multilateral and regional institutions, to build
11 capacities and mobilize action for preventing
12 and responding to emerging events exacerbated
13 by climate change;

14 (C) encourage the deployment of civilian
15 advisors to prevent and respond to emerging
16 events exacerbated by climate change;

17 (D) increase the capacity of and develop
18 doctrine for the United States Foreign Service,
19 civil service, Armed Forces, development profes-
20 sionals, and other actors to engage in the full
21 spectrum of activities to prevent and respond to
22 emerging events exacerbated by climate change;

23 (E) develop and implement tailored foreign
24 assistance programs that address and mitigate

1 the risks of emerging events exacerbated by cli-
2 mate change;

3 (F) ensure intelligence collection, analysis,
4 and sharing of appropriate information; and

5 (G) address any other issues that the Task
6 Force determines appropriate;

7 (10) in carrying out paragraphs (1) through
8 (9), receive support from bureaus and offices of the
9 Department of State, as the Secretary of State de-
10 termines appropriate; and

11 (11) facilitate annual coordination between the
12 Department of State and other appropriate depart-
13 ments and agencies to ensure international and do-
14 mestic climate change objectives are aligned.

15 (d) COMPOSITION.—The Task Force shall—

16 (1) seek to ensure that its efforts complement
17 and support interagency processes led by the Na-
18 tional Security Council that share the Task Force's
19 objectives; and

20 (2) operate with regular consultation and par-
21 ticipation of designated representatives, at the As-
22 sistant Secretary level or higher, from all such exec-
23 utive departments, agencies, or offices as the Chair
24 may designate.

1 (e) REPORT.—Not later than 180 days after the date
2 of the enactment of this Act and every 2 years thereafter
3 for the following 10 years, the Secretary of State, in con-
4 sultation with the Task Force, shall submit to the Com-
5 mittee on Foreign Relations and the Committee on Appro-
6 priations of the Senate and the Committee on Foreign Af-
7 fairs and the Committee on Appropriations of the House
8 of Representatives an unclassified report, with a classified
9 annex if necessary, that includes—

10 (1) a review, in consultation with the des-
11 ignated representatives specified in subsection (d),
12 consisting of—

13 (A) an evaluation of the efficacy of current
14 efforts based on United States and locally iden-
15 tified indicators, including capacities and con-
16 straints for United States Government-wide de-
17 tection, early warning and response, informa-
18 tion-sharing, contingency planning, and coordi-
19 nation of efforts to prevent and respond to
20 emerging events exacerbated by climate change;

21 (B) an assessment of the funding expended
22 by relevant Federal departments and agencies
23 on emerging events exacerbated by climate
24 change and the legal, procedural, and resource
25 constraints faced by the Department of State

1 and the United States Agency for International
2 Development throughout respective budgeting,
3 strategic planning, and management cycles to
4 support the prevention of and response to
5 emerging events exacerbated by climate change;

6 (C) current annual global assessments of
7 emerging events exacerbated by climate change;

8 (D) recommendations to further strength-
9 en United States capabilities described in sub-
10 paragraph (A); and

11 (E) consideration of analysis, reporting,
12 and policy recommendations by civil society,
13 academic, and other nongovernmental organiza-
14 tions and institutions to prevent and respond to
15 emerging events exacerbated by climate change;

16 (2) recommendations to ensure shared responsi-
17 bility by—

18 (A) enhancing multilateral mechanisms for
19 preventing, mitigating, and responding to
20 emerging events exacerbated by climate change;
21 and

22 (B) strengthening regional organizations;
23 and

1 (3) the implementation status of the rec-
2 ommendations included in the review under para-
3 graph (1).

4 (f) BRIEFINGS AND MATERIALS.—The Chair and
5 members of the Task Force shall, not less frequently than
6 annually, provide briefings and materials to the Com-
7 mittee on Foreign Relations of the Senate and the Com-
8 mittee on Foreign Affairs of the House of Representatives.

9 (g) REPORT BY THE DIRECTOR OF NATIONAL INTEL-
10 LIGENCE.—The Director of National Intelligence is en-
11 couraged to include, in his or her annual (or more often
12 as appropriate) unclassified testimony, accompanied by a
13 classified annex, if necessary, to Congress on threats to
14 United States national security—

15 (1) a review of countries and regions at risk of
16 emerging events exacerbated by climate change; and

17 (2) whenever possible, specific identification of
18 countries and regions at immediate risk of emerging
19 events exacerbated by climate change.

20 (h) SENSE OF CONGRESS.—It is the sense of Con-
21 gress that rapid and robust climate change response mech-
22 anisms, including the establishment of the Task Force, are
23 critical for ensuring other countries remain accountable to
24 their climate action commitments as well as preserving the

1 national security and economic interests of the United
2 States.

3 **SEC. 30611. WORKING WITH INTERNATIONAL PARTNERS TO**
4 **REDUCE DEFORESTATION.**

5 (a) FINDINGS.—Congress finds the following:

6 (1) The People’s Republic of China (PRC) is
7 having a substantial impact on the most important
8 forest ecosystems in the world, and illegal logging
9 and agricultural expansion have caused the massive
10 forest loss. According to the World Resources Insti-
11 tute, the PRC has become the world’s leading im-
12 porter and consumer of timber products, soybeans,
13 and palm oil, as well as the largest manufacturing
14 and export country of forest products.

15 (2) In 2016, the PRC imported logs from more
16 than 100 countries in the world. According to a
17 Global Witness report, between January 2013 and
18 April 2020, Chinese financial institutions provided
19 more than \$22.5 billion to major companies that
20 produce and trade commodities at high risk of driv-
21 ing deforestation. These commodities include beef,
22 soy, palm oil, paper, pulp, rubber, and timber.

23 (3) Further, the growing international demand
24 for such agricultural commodities causes the major-
25 ity of deforestation emissions globally, and most of

1 the associated land-clearing violates applicable na-
2 tional or local laws. According to a 2021 Forest
3 Trends report, at least 69 percent of forest land con-
4 verted to pasture or cropland was cleared illegally.

5 (4) The growing demand for timber and agri-
6 cultural commodities has accelerated
7 unsustainable—and often illegal—logging and the
8 trade of timber products, which harms the countries
9 in which it takes place by siphoning away govern-
10 ment tax revenue, transforming the livelihoods of
11 communities dependent on forests, and hurting legal
12 businesses' competitiveness. Further, illegal logging
13 and illegal conversion of forest to agricultural land
14 threatens biodiversity and accelerates deforestation
15 and forest degradation in key timber supply coun-
16 tries, undermining United States and global climate
17 goals.

18 (5) The United States should work with inter-
19 national partners to ensure that Chinese and other
20 banks factor into lending practices the environ-
21 mental and social impact of the companies they fi-
22 nance. This should include pressuring the PRC and
23 other countries to revise regulations to require the
24 banking sector not to finance companies linked to
25 deforestation and include rigorous checks on the

1 companies operating in sectors or regions where
2 there is a high risk of deforestation to ensure they
3 are not associated with deforestation.

4 (b) DEFINITIONS.—In this section:

5 (1) ADMINISTRATOR.—Except as otherwise ex-
6 pressly provided, the term “Administrator” means
7 the Administrator of the United States Agency for
8 International Development.

9 (2) DEFORESTATION.—The term “deforest-
10 ation” means a change in land use from a forest (in-
11 cluding peatlands) to any other land use.

12 (3) DEVELOPING COUNTRY.—The term “devel-
13 oping country” means a country eligible to receive
14 official development assistance according to the in-
15 come guidelines of the Development Assistance Com-
16 mittee of the Organisation for Economic Co-oper-
17 ation and Development.

18 (4) EMISSIONS REDUCTIONS.—The term “emis-
19 sions reductions” means greenhouse gas emissions
20 reductions achieved from reduced or avoided defor-
21 estation under this section.

22 (5) FOREST.—

23 (A) IN GENERAL.—The term “forest”
24 means a terrestrial ecosystem, including wet-
25 land forests, comprised of native tree species

1 generated and maintained primarily through
2 natural ecological and evolutionary processes.

3 (B) EXCLUSION.—The term “forest” does
4 not include plantations, such as crops of trees
5 planted by humans primarily for the purposes
6 of harvesting.

7 (6) FOREST DEGRADATION.—The term “forest
8 degradation” is any reduction in the carbon stock of
9 a forest due to the effects of human land-use activi-
10 ties, including such land-use activities on peatlands.

11 (7) INTACT FOREST.—The term “intact forest”
12 means an unbroken expanse of natural ecosystems
13 within the global extent of forest cover that—

14 (A) covers an area of at least 500 square
15 kilometers and is at least 10 kilometers in each
16 direction; and

17 (B) contains forest and non-forest eco-
18 systems minimally influenced by human eco-
19 nomic activity and large enough that all native
20 biodiversity, including viable populations of
21 wide-ranging species, could be maintained.

22 (9) LEAKAGE.—The term “leakage” means the
23 unexpected loss of anticipated carbon benefits due to
24 the displacement of activities in a project area to

1 areas outside the project, resulting in carbon emis-
2 sions.

3 (10) LEAKAGE PREVENTION ACTIVITIES.—The
4 term “leakage prevention activities” means activities
5 in developing countries that are directed at pre-
6 serving existing forest carbon stocks, including for-
7 ested wetlands and peatlands that might, absent
8 such activities, be lost through leakage.

9 (11) NATIONAL DEFORESTATION REDUCTION
10 ACTIVITIES.—The term “national deforestation re-
11 duction activities” means activities in developing
12 countries that reduce a quantity of greenhouse gas
13 emissions from deforestation that is calculated by
14 measuring actual emissions against a national defor-
15 estation baseline established pursuant to subpara-
16 graphs (B) and (C) of subsection (d)(4).

17 (12) SUBNATIONAL DEFORESTATION AND FOR-
18 EST DEGRADATION REDUCTION ACTIVITIES.—The
19 term “subnational deforestation and forest degrada-
20 tion reduction activities” means activities in devel-
21 oping countries that reduce a quantity of greenhouse
22 gas emissions from deforestation and forest degrada-
23 tion that is calculated by measuring actual emissions
24 using an appropriate baseline, or an alternative de-

1 terminated under subsection (d)(4)(B)(ii), established
2 by the Administrator at the State or provincial level.

3 (c) PURPOSES.—The purposes of this section are to
4 provide United States assistance to developing countries
5 to develop, implement, and improve actions that reduce
6 deforestation and forest degradation or conserve or restore
7 forest ecosystems—

8 (1) to protect the value of forest ecosystems
9 with respect to permanent carbon capture and se-
10 questration in a manner in which such value is
11 measurable, reportable, and verifiable; and

12 (2) in a manner that—

13 (A) is consistent with and enhances the
14 implementation of complementary United
15 States policies that support the good govern-
16 ance of forests, biodiversity conservation, and
17 environmentally sustainable development;

18 (B) takes into consideration the views and
19 participation of local communities and most vul-
20 nerable communities and populations, particu-
21 larly forest-dependent communities; and

22 (C) incorporates the right to free prior and
23 informed consent of indigenous peoples.

24 (d) EMISSIONS REDUCTIONS THROUGH REDUCED
25 DEFORESTATION.—

1 (1) ESTABLISHMENT OF PROGRAM.—Not later
2 than 1 year after the date of the enactment of this
3 Act, the Administrator, in consultation with other
4 appropriate agencies, shall establish a program to
5 provide assistance to reduce deforestation in devel-
6 oping countries and its impacts, in accordance with
7 this section.

8 (2) OBJECTIVES.—The objectives of the pro-
9 gram established under paragraph (1) shall be—

10 (A) to achieve—

11 (i) emissions reductions of at least
12 7,000,000,000 tons of carbon dioxide
13 equivalent in 2025;

14 (ii) cumulative emissions reductions of
15 at least 11,000,000,000 tons of carbon di-
16 oxide equivalent by December 31, 2030;
17 and

18 (iii) additional emissions reductions in
19 subsequent years;

20 (B) to build capacity to reduce deforest-
21 ation at a national level in developing countries
22 experiencing deforestation, which may include—

23 (i) preparing developing countries to
24 participate in international markets for

1 international offset credits for reduced
2 emissions from deforestation;

3 (ii) supporting the development of
4 overseas domestic policy frameworks to en-
5 sure effective, efficient, and equitable ben-
6 efit-sharing of the proceeds of such credits
7 issued by national and subnational govern-
8 ments; and

9 (iii) promoting and expanding land ti-
10 tling initiatives and programs in other
11 countries;

12 (C) to preserve forest carbon stocks in
13 countries where such forest carbon may be vul-
14 nerable to leakage, particularly in developing
15 countries with largely intact native forests;

16 (D) to build the scientific knowledge and
17 institutional capacity to help developing coun-
18 tries—

19 (i) monitor the effects of climate
20 change on their forests;

21 (ii) develop and implement strategies
22 to conserve their forests; and

23 (iii) support forest-dependent commu-
24 nities adapt to climate change;

1 (E) to the extent practicable, to reduce de-
2 forestation in ways that reduce the vulnerability
3 and increase the resilience to climate effects for
4 forests and forest-dependent communities;

5 (F) to prevent degradation and fragmenta-
6 tion of forests and other intact ecosystems, par-
7 ticularly in tropical countries, including by pro-
8 viding assistance or supporting policies to—

9 (i) conserve, protect, and restore the
10 integrity of such ecosystems; and

11 (ii) support the rights of Indigenous
12 People and local communities and their
13 ability to continue their effective steward-
14 ship of their intact traditional lands and
15 territories;

16 (G) to build capacity to address illegal de-
17 forestation for agricultural commodities; and

18 (H) to remove subsidies that favor defor-
19 estation;

20 (e) REQUIREMENTS FOR INTERNATIONAL DEFOR-
21 ESTATION REDUCTION PROGRAM.—

22 (1) ELIGIBLE COUNTRIES.—

23 (A) IN GENERAL.—Except as provided in
24 subparagraph (B), the Administrator may pro-

1 vide assistance under this section only with re-
2 spect to a developing country that—

3 (i) the Administrator, in consultation
4 with other appropriate agencies, deter-
5 mines—

6 (I) is experiencing deforestation
7 or forest degradation; or

8 (II) has standing forest carbon
9 stocks that may be at risk of deforest-
10 ation or degradation;

11 (ii) has the legal regimes, standards,
12 and safeguards to ensure that the rights
13 and interests of indigenous peoples and
14 forest-dependent communities are pro-
15 tected in accordance with the standards es-
16 tablished under paragraph (4); and

17 (iii) has entered into a bilateral or
18 multilateral agreement or arrangement
19 with the United States, or is part of an
20 international program supported by the
21 United States to prevent deforestation,
22 that establishes the conditions of participa-
23 tion by the country in the program estab-
24 lished under this section, which shall in-
25 clude an agreement to meet the standards

1 established under paragraph (4) for the ac-
2 tivities to which such standards apply.

3 (B) EXCEPTION.—A developing country
4 that does not meet the requirement described in
5 paragraph (1)(A)(ii) may receive assistance
6 under this section for the purpose of building
7 capacity to meet such requirement.

8 (2) AUTHORIZED ACTIVITIES.—Subject to the
9 requirements of this section, in providing assistance
10 under this section, the Administrator may support
11 activities to achieve the objectives described in sub-
12 section (c)(2), such as—

13 (A) national deforestation reduction activi-
14 ties;

15 (B) subnational deforestation and forest
16 degradation reduction activities, including pilot
17 activities, policies, and measures that reduce
18 greenhouse gas emissions and are subject to
19 significant uncertainty;

20 (C) activities to measure, monitor, and
21 verify deforestation, avoided deforestation, and
22 rates of deforestation, including, if applicable,
23 spatially explicit land use plans that identify in-
24 tact and primary forest areas and managed for-
25 est areas;

1 (D) leakage prevention activities;

2 (E) the development and implementation
3 of measurement, monitoring, reporting, and
4 verification capacities and governance struc-
5 tures, including legal regimes, standards, proc-
6 esses, and safeguards, as established under
7 paragraph (4), to enable a country to quantify
8 emissions reductions for purposes of purchasing
9 or trading subnational emissions reduction cred-
10 its in carbon markets;

11 (F) the identification of, and actions to ad-
12 dress, the drivers of land use emissions;

13 (G) programs that would exclude from the
14 United States illegally harvested timber or
15 products made from illegally harvested timber,
16 in accordance with and consistent with the ob-
17 jectives of the Lacey Act Amendments of 1981
18 (16 U.S.C. 3371 et seq.);

19 (H) the development and strengthening of
20 governance capacities to reduce deforestation
21 and other land use emissions and to combat il-
22 legal logging and associated trade, including the
23 development of systems for independent moni-
24 toring of the efficacy of forest law enforcement
25 and increased enforcement cooperation, includ-

1 ing joint efforts with Federal agencies, to en-
2 force the Lacey Act Amendments of 1981 (16
3 U.S.C. 3371 et seq.);

4 (I) programs to help countries strengthen
5 the necessary governance and technological ca-
6 pacity to trace and make publicly available the
7 origin of agricultural commodities associated
8 with tropical deforestation, such as beef, soy,
9 palm oil, paper, pulp, cocoa, and rubber;

10 (J) the development and strengthening of
11 governance capacities and associated implemen-
12 tation activities to combat illegal deforestation
13 related to the production of agricultural com-
14 modities, such as those described in subpara-
15 graph (I);

16 (K) the provision of incentives for policy
17 reforms to achieve the objectives described in
18 subsection (c)(2);

19 (L) the development of pilot projects—

20 (i) to examine where mitigation and
21 adaptation activities in forest ecosystems
22 coincide; and

23 (ii) to explore means for enhancing
24 the resilience of forest ecosystems and for-
25 est-dependent communities;

1 (M) the promotion of mechanisms to de-
2 liver resources for local action and to address
3 the needs, rights, interests, and participation of
4 local and indigenous communities;

5 (N) the promotion of land tenure and ti-
6 tling programs, including legal recognition and
7 effective protection of the land tenure, access
8 and use rights of Indigenous People and local
9 communities; and

10 (O) the monitoring and evaluation of the
11 results of the activities conducted under this
12 section.

13 (3) MECHANISMS.—The Administrator shall
14 apply the administrative authorities under the For-
15 eign Assistance Act of 1961 (22 U.S.C. 2151 et
16 seq.), except to the extent inconsistent with the pro-
17 visions of this section, to the same extent and in the
18 same manner as such authorities apply to the imple-
19 mentation of such Act in order to support activities
20 to achieve the objectives described in subsection
21 (c)(2) by—

22 (A) developing and implementing programs
23 and project-level activities that achieve such ob-
24 jectives;

1 (B) to the extent practicable, giving pri-
2 ority in any review process to activities under
3 paragraph (2)(A); and

4 (C) as appropriate, considering multi-year
5 funding arrangements in carrying out the pur-
6 poses of this section.

7 (4) STANDARDS.—The Administrator, in con-
8 sultation with other appropriate agencies, shall es-
9 tablish program standards that—

10 (A) ensure that emissions reductions
11 achieved through supported activities—

12 (i) are additional, measurable,
13 verifiable, and monitored;

14 (ii) account for leakage, uncertainty,
15 and permanence; and

16 (iii) at a minimum, meet the stand-
17 ards established under the emissions unit
18 criteria of the Carbon Offsetting and Re-
19 duction Scheme for International Aviation
20 (CORSIA) developed by the International
21 Civil Aviation Organization (ICAO);

22 (B) require—

23 (i) the establishment of a national de-
24 forestation baseline for each country with
25 national deforestation reduction activities

1 that is used to account for reductions
2 achieved from such activities; or

3 (ii) if a developing country has estab-
4 lished policies and taken measures to re-
5 duce emissions from disturbed peatlands,
6 deforestation, or forest degradation, but
7 has not established a national baseline, the
8 provision of a credible, transparent, accu-
9 rate, and conservative alternative for quan-
10 tifying emissions;

11 (C) provide that each national deforest-
12 ation baseline established under subparagraph
13 (B)(i)—

14 (i) is national, or subnational on an
15 interim basis, in scope; and

16 (ii) is consistent with nationally ap-
17 propriate mitigation commitments or ac-
18 tions with respect to deforestation, taking
19 into consideration—

20 (I) the average annual historical
21 deforestation rates of the country dur-
22 ing a period of at least 5 years; and

23 (II) the applicable drivers of de-
24 forestation and other factors to ensure
25 additionality;

1 (iii) establishes a trajectory that
2 would result in zero net deforestation by
3 not later than 20 years after the date on
4 which the baseline is established;

5 (iv) is adjusted over time to account
6 for changing national circumstances; and

7 (v) is designed to account for all sig-
8 nificant sources of greenhouse gas emis-
9 sions from deforestation in the country;

10 (D) with respect to assistance provided for
11 activities described in subparagraph (A) or (B)
12 of paragraph (2), require emissions reductions
13 to be achieved and verified before the provision
14 of any assistance under this section;

15 (E) with respect to accounting for sub-
16 national deforestation and forest degradation
17 reduction activities that lack the standardized
18 or precise measurement and monitoring tech-
19 niques needed for a full accounting of changes
20 in emissions or baselines, or are subject to
21 other sources of uncertainty, apply a conserv-
22 ative discount factor to reflect the uncertainty
23 regarding the levels of reductions achieved;

24 (F) ensure that activities under this sec-
25 tion are designed, carried out, and managed—

- 1 (i) using forest management practices
2 that, in an open and transparent process—
3 (I) improve the livelihoods of for-
4 est communities in a manner that
5 promotes the maintenance of intact
6 forests, protects associated biodiver-
7 sity, and restores native forest species
8 and ecosystems while avoiding the in-
9 troduction of invasive nonnative spe-
10 cies;
11 (II) maintain natural biodiver-
12 sity, resilience, and carbon storage ca-
13 pacity of forests;
14 (III) to the extent practicable, do
15 not adversely affect the permanence of
16 forest carbon stocks or emissions re-
17 ductions;
18 (IV) include broad stakeholder
19 participation and the free prior and
20 informed consent of affected indige-
21 nous peoples; and
22 (V) take into account the needs
23 and interests of local communities,
24 forest-dependent communities, indige-

1 nous peoples, and vulnerable social
2 groups;

3 (ii) in consultation with, and with the
4 full and effective participation of, local
5 communities, indigenous peoples, and for-
6 est-dependent communities in affected
7 areas, as partners and primary stake-
8 holders, before and during the design,
9 planning, implementation, monitoring, and
10 evaluation of activities; and

11 (iii) with equitable sharing of profits
12 and benefits derived from the activities
13 with local communities, indigenous peoples,
14 and forest-dependent communities; and

15 (G) with respect to assistance for all activi-
16 ties under this section, seek to ensure the estab-
17 lishment and enforcement of legal regimes,
18 standards, processes, and safeguards by the
19 country in which the activities are conducted, as
20 a condition of such assistance or as a proposed
21 activity for which such assistance may be pro-
22 vided, which—

23 (i) protect the rights and interests of
24 local communities, indigenous peoples, for-
25 est-dependent communities, human rights

1 defenders, and vulnerable social groups;
2 and

3 (ii) promote consultations with local
4 communities, indigenous peoples, and for-
5 est-dependent communities in affected
6 areas, as partners and primary stake-
7 holders, before and during the design,
8 planning, implementation, monitoring, and
9 evaluation of activities under this section;
10 and

11 (iii) ensure equitable sharing of prof-
12 its and benefits from incentives for emis-
13 sions reductions or leakage prevention with
14 local communities, indigenous peoples, and
15 forest-dependent communities.

16 (5) SCOPE.—

17 (A) REDUCED EMISSIONS.—The Adminis-
18 trator shall include reduced emissions from for-
19 est degradation and disturbance of peatlands
20 within the scope of activities under this section.

21 (B) EXPANSION OF AUTHORIZED ACTIVI-
22 TIES.—If the Administrator determines, in con-
23 sultation with other appropriate agencies, that
24 sufficient methodologies and technical capacities
25 exist to measure, monitor, and account for the

1 emissions referred to in subparagraph (A), the
2 Administrator may expand the authorized ac-
3 tivities under this section, as appropriate, to in-
4 clude reduced soil carbon-derived emissions as-
5 sociated with deforestation and degradation of
6 forested wetlands and peatlands, consistent
7 with a comprehensive approach to maintaining
8 and enhancing forests, increasing climate resil-
9 iency, reducing emissions, and increasing re-
10 movals of greenhouse gases.

11 (6) ACCOUNTING.—The Administrator shall use
12 a publicly accessible registry to account for and reg-
13 ister the emissions reductions achieved through as-
14 sistance provided under this section each year, after
15 appropriately discounting for uncertainty and other
16 relevant factors as required by the standards estab-
17 lished under paragraph (4).

18 (7) INTERNATIONAL DEFORESTATION REDUC-
19 TION PROGRAM INSURANCE ACCOUNT FOR NON-
20 COMPLETION OR REVERSAL.—In furtherance of the
21 objectives described in subsection (c)(2), the Admin-
22 istrator shall develop and implement a program
23 that—

24 (A) addresses noncompletion or reversal
25 with respect to any greenhouse gas emissions

1 that were not, or are no longer, sequestered;
2 and

3 (B) may include a mechanism to hold in
4 reserve a portion of the amount allocated for
5 projects to support the program.

6 (8) EXTENSION OF ASSISTANCE.—

7 (A) IN GENERAL.—The Administrator may
8 extend, for an additional 5 years, the period
9 during which assistance is authorized for activi-
10 ties supported by assistance under this section,
11 if the Administrator determines that—

12 (i) the country in which the activities
13 are conducted is making substantial
14 progress toward adopting and imple-
15 menting a program to achieve reductions
16 in deforestation measured against a na-
17 tional baseline;

18 (ii) the greenhouse gas emissions re-
19 ductions achieved as a result of the activi-
20 ties are not resulting in significant leakage;

21 (iii) such greenhouse gas emissions re-
22 ductions are being appropriately dis-
23 counted to account for any leakage that is
24 occurring; and

1 (iv) such extension would further ad-
2 vance or ensure achievement of the objec-
3 tives of the activities.

4 (B) ASSISTANCE FOR SUBNATIONAL DE-
5 FORESTATION AND FOREST DEGRADATION RE-
6 DUCATION ACTIVITIES.—

7 (i) IN GENERAL.—If the Adminis-
8 trator extends the period during which as-
9 sistance is authorized for activities under
10 subparagraph (A), the Administrator shall
11 determine, based on the criteria specified
12 that subparagraph, whether such assist-
13 ance should include assistance for sub-
14 national deforestation and forest degrada-
15 tion reduction activities.

16 (ii) CONTINUED ASSISTANCE.—The
17 Administrator may extend the period dur-
18 ing which assistance is authorized for sub-
19 national deforestation and forest degrada-
20 tion reduction activities beyond the 5-year
21 period described in subparagraph (A) in
22 order to further the objectives described in
23 subparagraph (B) or (C) of subsection
24 (c)(2).

1 (9) COORDINATION WITH FOREIGN ASSIST-
2 ANCE.—Subject to the direction of the President, the
3 Administrator shall, to the extent practicable and
4 consistent with the objectives described in subsection
5 (c)(2), seek to align activities under this section with
6 broader development, poverty alleviation, or natural
7 resource management objectives and initiatives in
8 countries receiving assistance under this section.

9 (10) ASSISTANCE AS SUPPLEMENT.—The provi-
10 sion of assistance for activities under this section
11 shall be used to supplement, and not to supplant,
12 any other Federal, State, or local support available
13 to carry out activities under this section.

14 (11) FUNDING LIMITATION.—Of the funds
15 made available to carry out this section in any fiscal
16 year, not more than 7 percent may be used for the
17 administrative expenses of the United States Agency
18 for International Development in support of activi-
19 ties described in paragraph (2). Such amount shall
20 be in addition to other amounts otherwise available
21 for such purposes.

22 (f) LEGAL EFFECT.—

23 (1) IN GENERAL.—Nothing in this section may
24 be construed to supersede, limit, or otherwise affect
25 any restriction imposed by Federal law (including

1 regulations) on any interaction between an entity lo-
2 cated in the United States and an entity located in
3 a foreign country.

4 (2) **ROLE OF THE SECRETARY OF STATE.**—
5 Nothing in this section may be construed to affect
6 the role of the Secretary of State or the responsibil-
7 ities of the Secretary under section 622(c) of the
8 Foreign Assistance Act of 1961 (22 U.S.C.
9 2382(c)).

10 (g) **INTERNATIONAL FINANCIAL INSTITUTIONS.**—
11 The President shall direct the United States representa-
12 tives to the World Bank, the International Monetary
13 Fund, and other international financial institutions (as de-
14 fined in section 1701(c) of the International Financial In-
15 stitutions Act (22 U.S.C. 262r(c)) to prioritize efforts to
16 combat deforestation.

17 **SEC. 30612. CONTROLLING THE EXPORT OF ELECTRONIC**
18 **WASTE TO PROTECT UNITED STATES SUPPLY**
19 **CHAINS.**

20 (a) **FINDINGS.**—Congress finds the following:

21 (1) It is in the national security interests of the
22 United States to ensure that the export of electronic
23 waste does not become the source of counterfeit
24 goods that may reenter electronics supply chains in
25 the United States, and for other purposes.

1 (2) A 2012 Senate Armed Services Committee
2 Report “discovered counterfeit electronic parts from
3 China in the Air Force’s largest cargo plane, in as-
4 semblies intended for Special Operations helicopters,
5 and in a Navy surveillance plane among 1,800 cases
6 of bogus parts”.

7 (3) Further, exporting such material has often
8 resulted in environmental damage because of illegal
9 dumping or inadequate environmental regulations in
10 other countries for ensuring their safe and secure
11 disposal.

12 (4) China, the single largest producer of elec-
13 tronic waste, is on track for its e-waste industry to
14 total \$23,800,000,000 by 2030, given its high sup-
15 ply of used products, demand for recycled materials,
16 and capacity to transport these materials.

17 (5) As the second largest producer of electronic
18 waste, the United States has a strong economic and
19 national security incentive to enhance domestic e-
20 waste recycling capacity rather than exporting to
21 China and other countries.

22 (6) Given China’s lack of regulations and work-
23 er protections, workers in the e-waste industry have
24 been exposed to over 1,000 harmful substances, in-

1 cluding lead and mercury, endangering the health
2 and wellbeing of workers.

3 (b) DEFINITIONS.—In this section:

4 (1) ELECTRONIC WASTE.—

5 (A) IN GENERAL.—The term “electronic
6 waste” means any of the following used items
7 containing electronic components, or fragments
8 thereof, including parts or subcomponents of
9 such items:

10 (i) Computers and related equipment.

11 (ii) Data center equipment (including
12 servers, network equipment, firewalls, bat-
13 tery backup systems, and power distribu-
14 tion units).

15 (iii) Mobile computers (including note-
16 books, netbooks, tablets, and e-book read-
17 ers).

18 (iv) Televisions (including portable
19 televisions and portable DVD players).

20 (v) Video display devices (including
21 monitors, digital picture frames, and port-
22 able video devices).

23 (vi) Digital imaging devices (including
24 printers, copiers, facsimile machines, image
25 scanners, and multifunction machines).

1 (vii) Consumer electronics—

2 (I) including digital cameras,
3 projectors, digital audio players, cel-
4 lular phones and wireless internet
5 communication devices, audio equip-
6 ment, video cassette recorders, DVD
7 players, video game systems (includ-
8 ing portable systems), video game
9 controllers, signal converter boxes,
10 and cable and satellite receivers; and

11 (II) not including appliances that
12 have electronic features.

13 (viii) Portable global positioning sys-
14 tem navigation devices.

15 (ix) Other used electronic items that
16 the Secretary determines to be necessary
17 to carry out this section.

18 (B) EXEMPT ITEMS.—The term “electronic
19 waste” does not include—

20 (i) exempted electronic waste items;

21 (ii) electronic parts of a motor vehicle;

22 or

23 (iii) electronic components, or items
24 containing electronic components, that are
25 exported or reexported to an entity under

1 the ownership or control of the person ex-
2 porting or reexporting the components or
3 items, with the intent that the components
4 or items be used for the purpose for which
5 the components or items were used in the
6 United States.

7 (2) EXEMPTED ELECTRONIC WASTE ITEMS.—

8 (A) IN GENERAL.—The term “exempted
9 electronic waste items” means the following:

10 (i) Tested, working used electronics.

11 (ii) Low-risk counterfeit electronics.

12 (iii) Recalled electronics.

13 (B) DEFINITIONS.—In this paragraph:

14 (i) TESTED, WORKING USED ELEC-
15 TRONICS.—The term “tested, working used
16 electronics” means any used electronic
17 items that—

18 (I) are determined, through test-
19 ing methodologies established by the
20 Secretary, to be—

21 (aa) fully functional for the
22 purpose for which the items were
23 designed; or

24 (bb) in the case of multi-
25 function devices, fully functional

1 for at least one of the primary
2 purposes for which the items
3 were designed;

4 (II) are exported with the intent
5 to reuse the products as functional
6 products; and

7 (III) are appropriately packaged
8 for shipment to prevent the items
9 from losing functionality as a result of
10 damage during shipment.

11 (ii) LOW-RISK COUNTERFEIT ELEC-
12 TRONICS.—The term “low-risk counterfeit
13 electronics” means any electronic compo-
14 nents or items that—

15 (I) have been subjected to de-
16 struction processes that render the
17 items unusable for their original pur-
18 pose; and

19 (II) are exported as a feedstock,
20 with no additional mechanical or hand
21 separation required, in a reclamation
22 process to render the electronic com-
23 ponents or items recycled consistent
24 with the laws of the foreign country
25 performing the reclamation process.

1 (iii) RECALLED ELECTRONICS.—The
2 term “recalled electronics” means any elec-
3 tronic items that—

4 (I) because of a defect in the de-
5 sign or manufacture of the items—

6 (aa) are subject to a recall
7 notice issued by the Consumer
8 Product Safety Commission or
9 other pertinent Federal authority
10 and have been received by the
11 manufacturer or its agent and re-
12 paired by the manufacturer or its
13 agent to cure the defect; or

14 (bb) have been recalled by
15 the manufacturer as a condition
16 of the validity of the warranty on
17 the items and have been repaired
18 by the manufacturer or its agent
19 to cure the defect; and

20 (II) are exported by the manufac-
21 turer of the items.

22 (iv) FEEDSTOCK.—The term “feed-
23 stock” means any raw material consti-
24 tuting the principal input for an industrial
25 process.

1 (3) COUNTERFEIT GOOD.—The term “counter-
2 feit good” means any good on which, or in connec-
3 tion with which, a counterfeit mark is used.

4 (4) COUNTERFEIT MILITARY GOOD.—The term
5 “counterfeit military good” means a counterfeit good
6 that—

7 (A) is falsely identified or labeled as meet-
8 ing military specifications; or

9 (B) is intended for use in a military or na-
10 tional security application.

11 (5) COUNTERFEIT MARK.—The term “counter-
12 feit mark” has the meaning given that term in sec-
13 tion 2320 of title 18, United States Code.

14 (6) EXPORT ADMINISTRATION REGULATIONS.—
15 The term “Export Administration Regulations”
16 means the regulations set forth in subchapter C of
17 chapter VII of title 15, Code of Federal Regulations,
18 or successor regulations.

19 (7) EXPORT; REEXPORT.—The terms “export”
20 and “reexport” have the meanings given such terms
21 in section 1742 of the Export Control Reform Act
22 of 2018 (50 U.S.C. 4801).

23 (8) SECRETARY.—The term “Secretary” means
24 the Secretary of Commerce.

1 (9) USED.—The term “used”, with respect to
2 an item, means the item has been operated or em-
3 ployed.

4 (c) PROHIBITION.—Except as provided in subsections
5 (c) and (d), no person or entity may export or reexport
6 electronic waste or exempted electronic waste items.

7 (d) EXPORT PROHIBITION EXEMPTIONS.—A person
8 or entity may export or reexport exempted electronic waste
9 items, but only if the following requirements are met:

10 (1) REGISTRATION.—The person or entity is
11 listed on a publicly available registry maintained by
12 the Secretary.

13 (2) FILING OF EXPORT INFORMATION.—For
14 each export transaction, the person or entity files in
15 the Automated Export System, in accordance with
16 part 758 of the Export Administration Regulations
17 (or any corresponding similar regulation or ruling),
18 electronic export information that contains at least
19 the following information:

20 (A) A description of the type and total
21 quantity of exempted electronic waste items ex-
22 ported.

23 (B) The name of each country that re-
24 ceived the exempted electronic waste items for
25 reuse or recycling.

1 (C)(i) The name of the ultimate consignee
2 to which the exempted electronic waste items
3 were received for reclamation, recall, or reuse;
4 and

5 (ii) documentation and a declaration that
6 such consignee has the necessary permits, re-
7 sources, and competence to manage the exempt-
8 ed electronic waste items as reusable products
9 or recyclable feedstock and prevent its release
10 as a counterfeit good or counterfeit military
11 good.

12 (3) COMPLIANCE WITH EXISTING LAWS.—The
13 export or reexport of exempted electronic waste
14 items otherwise comply with applicable international
15 agreements to which the United States is a party
16 and with other trade and export control laws of the
17 United States.

18 (4) EXPORT DECLARATIONS AND REQUIRE-
19 MENTS.—The exempted electronic waste items are
20 accompanied by—

21 (A) documentation of the registration of
22 the exporter required under paragraph (1);

23 (B) a declaration signed by an officer or
24 designated representative of the exporter assert-
25 ing that the exempted electronic waste items

1 meet the applicable requirements for exempted
2 electronic waste items under this section;

3 (C) a description of the contents and con-
4 dition of the exempted electronic waste items in
5 the shipment;

6 (D) for tested, working electronics, a de-
7 scription of the testing methodologies and test
8 results for each item;

9 (E) the name of the ultimate consignee
10 and declaration of the consignee's applicable
11 permits, resources, and competence to process
12 or use the items as intended; and

13 (F) with respect to low-risk counterfeit
14 electronics only and when required by the im-
15 porting country, the written consent of the com-
16 petent authority of the receiving country to
17 allow the products in such country.

18 (e) EXCEPTION FOR PERSONAL USE.—The Secretary
19 may provide for an exception to the requirements of this
20 section, subject to such recordkeeping requirements as the
21 Secretary may impose, for the export or reexport of 5 or
22 fewer items that are or contain electronic components in-
23 tended for personal use.

24 (f) EFFECTIVE DATE.—

1 (1) IN GENERAL.—Subject to paragraph (2),
2 this section shall take effect upon the expiration of
3 the 1-year period beginning on the date of the enact-
4 ment of this Act.

5 (2) MODIFICATION OF EAR.—The Secretary
6 shall, not later than the effective date under para-
7 graph (1), ensure that the Export Administration
8 Regulations are modified to carry out this section.

9 (g) PENALTIES FOR VIOLATIONS.—Any person who
10 violates this section or the regulations issued under sub-
11 section (e)(2) shall be subject to the same penalties as
12 those that apply to any person violating any other provi-
13 sion of the Export Administration Regulations.

14 **DIVISION E—COMMITTEE ON** 15 **OVERSIGHT AND REFORM**

16 **SEC. 40101. FEDERAL ROTATIONAL CYBER WORKFORCE** 17 **PROGRAM.**

18 (a) DEFINITIONS.—In this section:

19 (1) AGENCY.—The term “agency” has the
20 meaning given the term “Executive agency” in sec-
21 tion 105 of title 5, United States Code, except that
22 the term does not include the Government Account-
23 ability Office.

1 (2) COMPETITIVE SERVICE.—The term “com-
2 petitive service” has the meaning given that term in
3 section 2102 of title 5, United States Code.

4 (3) COUNCILS.—The term “Councils” means—

5 (A) the Chief Human Capital Officers
6 Council established under section 1303 of the
7 Chief Human Capital Officers Act of 2002 (5
8 U.S.C. 1401 note); and

9 (B) the Chief Information Officers Council
10 established under section 3603 of title 44,
11 United States Code.

12 (4) CYBER WORKFORCE POSITION.—The term
13 “cyber workforce position” means a position identi-
14 fied as having information technology, cybersecurity,
15 or other cyber-related functions under section 303 of
16 the Federal Cybersecurity Workforce Assessment
17 Act of 2015 (5 U.S.C. 301 note).

18 (5) DIRECTOR.—The term “Director” means
19 the Director of the Office of Personnel Management.

20 (6) EMPLOYEE.—The term “employee” has the
21 meaning given the term in section 2105 of title 5,
22 United States Code.

23 (7) EMPLOYING AGENCY.—The term “employ-
24 ing agency” means the agency from which an em-

1 ployee is detailed to a rotational cyber workforce po-
2 sition.

3 (8) EXCEPTED SERVICE.—The term “excepted
4 service” has the meaning given that term in section
5 2103 of title 5, United States Code.

6 (9) ROTATIONAL CYBER WORKFORCE POSI-
7 TION.—The term “rotational cyber workforce posi-
8 tion” means a cyber workforce position with respect
9 to which a determination has been made under sub-
10 section (b)(1).

11 (10) ROTATIONAL CYBER WORKFORCE PRO-
12 GRAM.—The term “rotational cyber workforce pro-
13 gram” means the program for the detail of employ-
14 ees among rotational cyber workforce positions at
15 agencies.

16 (11) SECRETARY.—The term “Secretary”
17 means the Secretary of Homeland Security.

18 (b) ROTATIONAL CYBER WORKFORCE POSITIONS.—

19 (1) DETERMINATION WITH RESPECT TO ROTA-
20 TIONAL SERVICE.—

21 (A) IN GENERAL.—The head of each agen-
22 cy may determine that a cyber workforce posi-
23 tion in that agency is eligible for the rotational
24 cyber workforce program, which shall not be
25 construed to modify the requirement under sub-

1 section (c)(2)(C) that participation in the rota-
2 tional cyber workforce program by an employee
3 shall be voluntary.

4 (B) NOTICE PROVIDED.—The head of an
5 agency shall submit to the Director—

6 (i) notice regarding any determination
7 made by the head of the agency under sub-
8 paragraph (A); and

9 (ii) for each position with respect to
10 which the head of the agency makes a de-
11 termination under subparagraph (A), the
12 information required under paragraph
13 (2)(A).

14 (2) PREPARATION OF LIST.—The Director, with
15 assistance from the Councils and the Secretary, shall
16 develop a list of rotational cyber workforce positions
17 that—

18 (A) with respect to each such position, to
19 the extent that the information does not dis-
20 close sensitive national security information, in-
21 cludes—

22 (i) the title of the position;

23 (ii) the occupational series with re-
24 spect to the position;

1 (iii) the grade level or work level with
2 respect to the position;

3 (iv) the agency in which the position
4 is located;

5 (v) the duty location with respect to
6 the position; and

7 (vi) the major duties and functions of
8 the position; and

9 (B) shall be used to support the rotational
10 cyber workforce program.

11 (3) DISTRIBUTION OF LIST.—Not less fre-
12 quently than annually, the Director shall distribute
13 an updated list developed under paragraph (2) to
14 the head of each agency and other appropriate enti-
15 ties.

16 (c) ROTATIONAL CYBER WORKFORCE PROGRAM.—

17 (1) OPERATION PLAN.—

18 (A) IN GENERAL.—Not later than 270
19 days after the date of enactment of this section,
20 and in consultation with the Councils, the Sec-
21 retary, representatives of other agencies, and
22 any other entity as the Director determines ap-
23 propriate, the Director shall develop and issue
24 a Federal Rotational Cyber Workforce Program
25 operation plan providing policies, processes, and

1 procedures for a program for the detailing of
2 employees among rotational cyber workforce po-
3 sitions at agencies, which may be incorporated
4 into and implemented through mechanisms in
5 existence on the date of enactment of this sec-
6 tion.

7 (B) UPDATING.—The Director may, in
8 consultation with the Councils, the Secretary,
9 and other entities as the Director determines
10 appropriate, periodically update the operation
11 plan developed and issued under subparagraph
12 (A).

13 (2) REQUIREMENTS.—The operation plan devel-
14 oped and issued under paragraph (1) shall, at a
15 minimum—

16 (A) identify agencies for participation in
17 the rotational cyber workforce program;

18 (B) establish procedures for the rotational
19 cyber workforce program, including—

20 (i) any training, education, or career
21 development requirements associated with
22 participation in the rotational cyber work-
23 force program;

1 (ii) any prerequisites or requirements
2 for participation in the rotational cyber
3 workforce program; and

4 (iii) appropriate rotational cyber
5 workforce program performance measures,
6 reporting requirements, employee exit sur-
7 veys, and other accountability devices for
8 the evaluation of the program;

9 (C) provide that participation in the rota-
10 tional cyber workforce program by an employee
11 shall be voluntary;

12 (D) provide that an employee shall be eligi-
13 ble to participate in the rotational cyber work-
14 force program if the head of the employing
15 agency of the employee, or a designee of the
16 head of the employing agency of the employee,
17 approves of the participation of the employee;

18 (E) provide that the detail of an employee
19 to a rotational cyber workforce position under
20 the rotational cyber workforce program shall be
21 on a nonreimbursable basis;

22 (F) provide that agencies may agree to
23 partner to ensure that the employing agency of
24 an employee that participates in the rotational

1 cyber workforce program is able to fill the posi-
2 tion vacated by the employee;

3 (G) require that an employee detailed to a
4 rotational cyber workforce position under the
5 rotational cyber workforce program, upon the
6 end of the period of service with respect to the
7 detail, shall be entitled to return to the position
8 held by the employee, or an equivalent position,
9 in the employing agency of the employee with-
10 out loss of pay, seniority, or other rights or
11 benefits to which the employee would have been
12 entitled had the employee not been detailed;

13 (H) provide that discretion with respect to
14 the assignment of an employee under the rota-
15 tional cyber workforce program shall remain
16 with the employing agency of the employee;

17 (I) require that an employee detailed to a
18 rotational cyber workforce position under the
19 rotational cyber workforce program in an agen-
20 cy that is not the employing agency of the em-
21 ployee shall have all the rights that would be
22 available to the employee if the employee were
23 detailed under a provision of law other than
24 this section from the employing agency to the

1 agency in which the rotational cyber workforce
2 position is located;

3 (J) provide that participation by an em-
4 ployee in the rotational cyber workforce pro-
5 gram shall not constitute a change in the condi-
6 tions of the employment of the employee; and

7 (K) provide that an employee participating
8 in the rotational cyber workforce program shall
9 receive performance evaluations relating to serv-
10 ice in the rotational cyber workforce program in
11 a participating agency that are—

12 (i) prepared by an appropriate officer,
13 supervisor, or management official of the
14 employing agency, acting in coordination
15 with the supervisor at the agency in which
16 the employee is performing service in the
17 rotational cyber workforce position;

18 (ii) based on objectives identified in
19 the operation plan with respect to the em-
20 ployee; and

21 (iii) based in whole or in part on the
22 contribution of the employee to the agency
23 in which the employee performed such
24 service, as communicated from that agency
25 to the employing agency of the employee.

1 (3) PROGRAM REQUIREMENTS FOR ROTATIONAL
2 SERVICE.—

3 (A) IN GENERAL.—An employee serving in
4 a cyber workforce position in an agency may,
5 with the approval of the head of the agency,
6 submit an application for detail to a rotational
7 cyber workforce position that appears on the
8 list developed under subsection (b)(2).

9 (B) OPM APPROVAL FOR CERTAIN POSI-
10 TIONS.—An employee serving in a position in
11 the excepted service may only be selected for a
12 rotational cyber workforce position that is in
13 the competitive service with the prior approval
14 of the Office of Personnel Management, in ac-
15 cordance with section 300.301 of title 5, Code
16 of Federal Regulations, or any successor there-
17 to.

18 (C) SELECTION AND TERM.—

19 (i) SELECTION.—The head of an
20 agency shall select an employee for a rota-
21 tional cyber workforce position under the
22 rotational cyber workforce program in a
23 manner that is consistent with the merit
24 system principles under section 2301(b) of
25 title 5, United States Code.

1 (ii) TERM.—Except as provided in
2 clause (iii), and notwithstanding section
3 3341(b) of title 5, United States Code, a
4 detail to a rotational cyber workforce posi-
5 tion shall be for a period of not less than
6 180 days and not more than 1 year.

7 (iii) EXTENSION.—The Chief Human
8 Capital Officer of the agency to which an
9 employee is detailed under the rotational
10 cyber workforce program may extend the
11 period of a detail described in clause (ii)
12 for a period of 60 days unless the Chief
13 Human Capital Officer of the employing
14 agency of the employee objects to that ex-
15 tension.

16 (D) WRITTEN SERVICE AGREEMENTS.—

17 (i) IN GENERAL.—The detail of an
18 employee to a rotational cyber workforce
19 position shall be contingent upon the em-
20 ployee entering into a written service
21 agreement with the employing agency
22 under which the employee is required to
23 complete a period of employment with the
24 employing agency following the conclusion

1 of the detail that is equal in length to the
2 period of the detail.

3 (ii) OTHER AGREEMENTS AND OBLI-
4 GATIONS.—A written service agreement
5 under clause (i) shall not supersede or
6 modify the terms or conditions of any
7 other service agreement entered into by the
8 employee under any other authority or re-
9 lieve the obligations between the employee
10 and the employing agency under such a
11 service agreement. Nothing in this clause
12 prevents an employing agency from termi-
13 nating a service agreement entered into
14 under any other authority under the terms
15 of such agreement or as required by law or
16 regulation.

17 (d) REPORTING BY GAO.—Not later than the end of
18 the third fiscal year after the fiscal year in which the oper-
19 ation plan under subsection (c)(1) is issued, the Comp-
20 troller General of the United States shall submit to Con-
21 gress a report assessing the operation and effectiveness
22 of the rotational cyber workforce program, which shall ad-
23 dress, at a minimum—

24 (1) the extent to which agencies have partici-
25 pated in the rotational cyber workforce program, in-

1 including whether the head of each such participating
2 agency has—

3 (A) identified positions within the agency
4 that are rotational cyber workforce positions;

5 (B) had employees from other partici-
6 pating agencies serve in positions described in
7 subparagraph (A); and

8 (C) had employees of the agency request to
9 serve in rotational cyber workforce positions
10 under the rotational cyber workforce program
11 in participating agencies, including a descrip-
12 tion of how many such requests were approved;
13 and

14 (2) the experiences of employees serving in ro-
15 tational cyber workforce positions under the rota-
16 tional cyber workforce program, including an assess-
17 ment of—

18 (A) the period of service;

19 (B) the positions (including grade level and
20 occupational series or work level) held by em-
21 ployees before completing service in a rotational
22 cyber workforce position under the rotational
23 cyber workforce program;

24 (C) the extent to which each employee who
25 completed service in a rotational cyber work-

1 force position under the rotational cyber work-
2 force program achieved a higher skill level, or
3 attained a skill level in a different area, with re-
4 spect to information technology, cybersecurity,
5 or other cyber-related functions; and

6 (D) the extent to which service in rota-
7 tional cyber workforce positions has affected
8 intra-agency and interagency integration and
9 coordination of cyber practices, functions, and
10 personnel management.

11 (e) SUNSET.—Effective 5 years after the date of en-
12 actment of this Act, this section is repealed.

13 **SEC. 40102. AI IN COUNTERTERRORISM OVERSIGHT EN-**
14 **HANCEMENT.**

15 (a) AMENDMENTS TO AUTHORITIES AND RESPON-
16 SIBILITIES OF PRIVACY AND CIVIL LIBERTIES OFFI-
17 CERS.—Section 1062 of the Intelligence Reform and Ter-
18 rorism Prevention Act of 2004 (42 U.S.C 2000ee–1) is
19 amended—

20 (1) in subsection (a)—

21 (A) by redesignating paragraphs (3) and
22 (4) as paragraphs (4) and (5); and

23 (B) by inserting after paragraph (2) the
24 following new paragraph:

1 “(3) provide to the Privacy and Civil Liberties
2 Oversight Board, with respect to covered artificial
3 intelligence-enabled technologies—

4 “(A) not later than 180 days after the date
5 on which this paragraph takes effect, and every
6 6 months thereafter, written notice of the use
7 of such technologies or planned evaluation, use,
8 development, acquisition, retention of services
9 for, or repurposing of such technologies;

10 “(B) access to associated impact state-
11 ments, including system of record notices, pri-
12 vacy impact assessments, and civil liberties im-
13 pact assessments;

14 “(C) access to associated information and
15 materials documenting—

16 “(i) the processes for data collection
17 related to such technologies, for obtaining
18 consent related to the use of such tech-
19 nologies, or for the disclosure of the use of
20 such technologies;

21 “(ii) the algorithms and models of
22 such technologies;

23 “(iii) the data resources used, or to be
24 used, in the training of such technologies,
25 including a comprehensive listing of any

1 data assets or public data assets (or any
2 combination thereof) used, or to be used,
3 in the training of such technologies;

4 “(iv) data governance processes and
5 procedures, including acquisition, protec-
6 tion, retention, sharing, and access, related
7 to data resources associated with such
8 technologies; and

9 “(v) processes for training and test-
10 ing, evaluating, validating, and modifying
11 such technologies; and

12 “(D) access to all other associated infor-
13 mation and materials.”;

14 (2) in subsection (d)(1), by inserting “(includ-
15 ing as described under subsection (a)(3))” after “of-
16 ficer”; and

17 (3) by adding at the end the following:

18 “(i) DEFINITIONS.—In this section:

19 “(1) ARTIFICIAL INTELLIGENCE.—The term
20 ‘artificial intelligence’ has the meaning given that
21 term in section 238(g) of the John S. McCain Na-
22 tional Defense Authorization Act for Fiscal Year
23 2019 (Public Law 115–232; 10 U.S.C. 2358 note).

24 “(2) COVERED ARTIFICIAL INTELLIGENCE-EN-
25 ABLED TECHNOLOGY.—The term ‘covered artificial

1 intelligence-enabled technology’ means an artificial
2 intelligence-enabled technology (including a classi-
3 fied technology)—

4 “(A) in use by the applicable department,
5 agency, or element, to protect the Nation from
6 terrorism; or

7 “(B) that the applicable department, agen-
8 cy, or element plans to evaluate, develop, ac-
9 quire, retain, or repurpose to protect the Nation
10 from terrorism.

11 “(3) DATA ASSET: PUBLIC DATA ASSET.—The
12 terms ‘data asset’ and ‘public data asset’ have the
13 meaning given those terms in section 3502 of title
14 44, United States Code.”.

15 (b) SELF-ASSESSMENT BY PRIVACY AND CIVIL LIB-
16 ERTIES OVERSIGHT BOARD.—Not later than one year
17 after the date of the enactment of this Act, the Privacy
18 and Civil Liberties Oversight Board under section 1061
19 of the Intelligence Reform and Terrorism Prevention Act
20 of 2004 (42 U.S.C. 2000ee) shall provide to the appro-
21 priate committees (as described in subsection (e) of such
22 section) a self-assessment of any change in authorities, re-
23 sources, or organizational structure that may be necessary
24 to carry out the functions described in subsection (d) of

1 such section related to artificial intelligence-enabled tech-
2 nologies.

3 (c) DEFINITION.—In this section, the term “artificial
4 intelligence” has the meaning given that term in section
5 238(g) of the John S. McCain National Defense Author-
6 ization Act for Fiscal Year 2019 (Public Law 115–232;
7 10 U.S.C. 2358 note).

8 (d) EFFECTIVE DATE.—Subsections (a) and (b), and
9 the amendments made by such subsections, shall take ef-
10 fect on the date that is one year after the date of the en-
11 actment of this Act.

12 **DIVISION F—COMMITTEE ON** 13 **HOMELAND SECURITY**

14 **SEC. 50101. HOMELAND PROCUREMENT REFORM.**

15 (a) IN GENERAL.—Subtitle D of title VIII of the
16 Homeland Security Act of 2002 (6 U.S.C. 391 et seq.)
17 is amended by adding at the end the following:

18 **“SEC. 836. REQUIREMENTS TO BUY CERTAIN ITEMS RE-** 19 **LATED TO NATIONAL SECURITY INTERESTS.**

20 “(a) DEFINITIONS.—In this section:

21 “(1) COVERED ITEM.—The term ‘covered item’
22 means any of the following:

23 “(A) Footwear provided as part of a uni-
24 form.

25 “(B) Uniforms.

1 “(C) Holsters and tactical pouches.

2 “(D) Patches, insignia, and embellish-
3 ments.

4 “(E) Chemical, biological, radiological, and
5 nuclear protective gear.

6 “(F) Body armor components intended to
7 provide ballistic protection for an individual,
8 consisting of one or more of the following:

9 “(i) Soft ballistic panels.

10 “(ii) Hard ballistic plates.

11 “(iii) Concealed armor carriers worn
12 under a uniform.

13 “(iv) External armor carriers worn
14 over a uniform.

15 “(G) Any other item of clothing or protec-
16 tive equipment as determined appropriate by
17 the Secretary.

18 “(2) FRONTLINE OPERATIONAL COMPONENT.—
19 The term ‘frontline operational component’ means
20 any of the following of the Department:

21 “(A) U.S. Customs and Border Protection.

22 “(B) U.S. Immigration and Customs En-
23 forcement.

24 “(C) The United States Secret Service.

1 “(D) The Transportation Security Admin-
2 istration.

3 “(E) The Coast Guard.

4 “(F) The Federal Protective Service.

5 “(G) The Federal Emergency Management
6 Agency.

7 “(H) The Federal Law Enforcement
8 Training Centers.

9 “(I) The Cybersecurity and Infrastructure
10 Security Agency.

11 “(b) REQUIREMENTS.—

12 “(1) IN GENERAL.—The Secretary shall ensure
13 that any procurement of a covered item for a front-
14 line operational component satisfies the following
15 criteria:

16 “(A) To the maximum extent possible, not
17 less than one-third of funds obligated in a spe-
18 cific fiscal year for the procurement of such
19 covered items shall be covered items that are
20 manufactured or supplied in the United States
21 by entities that qualify as small business con-
22 cerns, as such term is described under section
23 3 of the Small Business Act (15 U.S.C. 632).

24 “(B) Each contractor with respect to the
25 procurement of such a covered item, including

1 the end-item manufacturer of such a covered
2 item—

3 “(i) is an entity registered with the
4 System for Award Management (or suc-
5 cessor system) administered by the General
6 Services Administration; and

7 “(ii) is in compliance with ISO
8 9001:2015 of the International Organiza-
9 tion for Standardization (or successor
10 standard) or a standard determined appro-
11 priate by the Secretary to ensure the qual-
12 ity of products and adherence to applicable
13 statutory and regulatory requirements.

14 “(C) Each supplier of such a covered item
15 with an insignia (such as any patch, badge, or
16 emblem) and each supplier of such an insignia,
17 if such covered item with such insignia or such
18 insignia, as the case may be, is not produced,
19 applied, or assembled in the United States,
20 shall—

21 “(i) store such covered item with such
22 insignia or such insignia in a locked area;

23 “(ii) report any pilferage or theft of
24 such covered item with such insignia or
25 such insignia occurring at any stage before

1 delivery of such covered item with such in-
2 signia or such insignia; and

3 “(iii) destroy any such defective or
4 unusable covered item with insignia or in-
5 signia in a manner established by the Sec-
6 retary, and maintain records, for three
7 years after the creation of such records, of
8 such destruction that include the date of
9 such destruction, a description of the cov-
10 ered item with insignia or insignia de-
11 stroyed, the quantity of the covered item
12 with insignia or insignia destroyed, and the
13 method of destruction.

14 “(2) WAIVER.—

15 “(A) IN GENERAL.—In the case of a na-
16 tional emergency declared by the President
17 under the National Emergencies Act (50 U.S.C.
18 1601 et seq.) or a major disaster declared by
19 the President under section 401 of the Robert
20 T. Stafford Disaster Relief and Emergency As-
21 sistance Act (42 U.S.C. 5170), the Secretary
22 may waive criteria specified in subparagraph
23 (A), (B) or (C) of paragraph (1) if the Sec-
24 retary determines there is an insufficient supply
25 of a covered item that satisfies such criteria.

1 “(B) NOTICE.—Not later than 60 days
2 after the date on which the Secretary deter-
3 mines a waiver under subparagraph (A) is nec-
4 essary, the Secretary shall provide to the Com-
5 mittee on Homeland Security and Govern-
6 mental Affairs and the Committee on Appro-
7 priations of the Senate and the Committee on
8 Homeland Security, the Committee on Over-
9 sight and Reform, and the Committee on Ap-
10 propriations of the House of Representatives
11 notice of such determination, which shall in-
12 clude—

13 “(i) identification of the national
14 emergency or major disaster at issue de-
15 clared by the President;

16 “(ii) identification of the covered item
17 for which the Secretary intends to issue
18 the waiver; and

19 “(iii) a description of the demand for
20 the covered item and corresponding lack of
21 supply from contractors able to satisfy cri-
22 teria specified in subparagraph (B) or (C)
23 of paragraph (1).

24 “(c) PRICING.—The Secretary shall ensure that cov-
25 ered items are purchased at a fair and reasonable price,

1 consistent with the procedures and guidelines specified in
2 the Federal Acquisition Regulation.

3 “(d) REPORT.—Not later than one year after the
4 date of enactment of this section and annually thereafter,
5 the Secretary shall provide to the Committee on Homeland
6 Security, the Committee on Oversight and Reform, and
7 the Committee on Appropriations of the House of Rep-
8 resentatives, and the Committee on Homeland Security
9 and Governmental Affairs and the Committee on Appro-
10 priations of the Senate a briefing on instances in which
11 vendors have failed to meet deadlines for delivery of cov-
12 ered items and corrective actions taken by the Department
13 in response to such instances.

14 “(e) EFFECTIVE DATE.—This section applies with
15 respect to a contract entered into by the Department or
16 any frontline operational component on or after the date
17 that is 180 days after the date of the enactment of this
18 section.”.

19 (b) STUDY.—

20 (1) IN GENERAL.—Not later than 18 months
21 after the date of the enactment of this Act, the Sec-
22 retary of Homeland Security shall submit to the
23 Committee on Homeland Security and Governmental
24 Affairs of the Senate and the Committee on Home-
25 land Security of the House of Representatives a

1 study of the adequacy of uniform allowances pro-
2 vided to employees of frontline operational compo-
3 nents (as such term is defined in section 836 of the
4 Homeland Security Act of 2002, as added by sub-
5 section (a)).

6 (2) REQUIREMENTS.—The study conducted
7 under paragraph (1) shall—

8 (A) be informed by a Department-wide
9 survey of employees from across the Depart-
10 ment of Homeland Security who receive uni-
11 form allowances that seeks to ascertain what, if
12 any, improvements could be made to the cur-
13 rent uniform allowances and what, if any, im-
14 pacts current allowances have had on employee
15 morale and retention;

16 (B) assess the adequacy of the most recent
17 increase made to the uniform allowance for first
18 year employees; and

19 (C) consider increasing by 50 percent, at
20 minimum, the annual allowance for all other
21 employees.

22 (c) ADDITIONAL REPORT.—

23 (1) IN GENERAL.—Not later than 180 days
24 after the date of the enactment of this Act, the Sec-
25 retary of Homeland Security shall provide a report

1 with recommendations on how the Department of
2 Homeland Security could procure additional items
3 from domestic sources and bolster the domestic sup-
4 ply chain for items related to national security to—

5 (A) the Committee on Homeland Security
6 and Governmental Affairs and the Committee
7 on Appropriations of the Senate; and

8 (B) the Committee on Homeland Security,
9 the Committee on Oversight and Reform, and
10 the Committee on Appropriations of the House
11 of Representatives.

12 (2) CONTENTS.—The report required under
13 paragraph (1) shall include the following:

14 (A) A review of the compliance of the De-
15 partment of Homeland Security with the re-
16 quirements under section 604 of title VI of divi-
17 sion A of the American Recovery and Reinvest-
18 ment Act of 2009 (6 U.S.C. 453b) to buy cer-
19 tain items related to national security interests
20 from sources in the United States.

21 (B) An assessment of the capacity of the
22 Department of Homeland Security to procure
23 the following items from domestic sources:

1 (i) Personal protective equipment and
2 other items necessary to respond to a pan-
3 demic such as that caused by COVID–19.

4 (ii) Helmets that provide ballistic pro-
5 tection and other head protection and com-
6 ponents.

7 (iii) Rain gear, cold weather gear, and
8 other environmental and flame resistant
9 clothing.

10 (d) CLERICAL AMENDMENT.—The table of contents
11 in section 1(b) of the Homeland Security Act of 2002
12 (Public Law 107–296; 116 Stat. 2135) is amended by in-
13 serting after the item relating to section 835 the following
14 new item:

“Sec. 836. Requirements to buy certain items related to national security inter-
ests.”.

15 **SEC. 50102. DHS SOFTWARE SUPPLY CHAIN RISK MANAGE-**
16 **MENT.**

17 (a) GUIDANCE.—The Secretary of Homeland Secu-
18 rity, acting through the Under Secretary, shall issue guid-
19 ance with respect to new covered contracts.

20 (b) NEW COVERED CONTRACTS.—In developing
21 guidance under subsection (a), with respect to each new
22 covered contract, as a condition on the award of such a
23 contract, each contractor responding to a solicitation for
24 such a contract shall submit to the covered officer—

1 (1) a planned bill of materials when submitting
2 a bid proposal; and

3 (2) the certification and notifications described
4 in subsection (d).

5 (c) UPDATING BILL OF MATERIALS.—With respect
6 to a covered contract, in the case of a change to the infor-
7 mation included in a bill of materials submitted pursuant
8 to subsection (b)(1), each contractor shall submit to the
9 covered officer in a timely manner the update to such bill
10 of materials.

11 (d) CERTIFICATION AND NOTIFICATIONS.—The cer-
12 tification and notifications referred to in subsection (b)(2),
13 with respect to a covered contract, are the following:

14 (1) A certification that each item listed on the
15 submitted bill of materials is free from all known
16 vulnerabilities or defects affecting the security of the
17 end product or service identified in—

18 (A) the National Institute of Standards
19 and Technology National Vulnerability Data-
20 base; and

21 (B) any database designated by the Under
22 Secretary, in coordination with the Director of
23 the Cybersecurity and Infrastructure Security
24 Agency, that tracks security vulnerabilities and

1 defects in open source or third-party developed
2 software.

3 (2) A notification of each vulnerability or defect
4 affecting the security of the end product or service,
5 if identified, through—

6 (A) the certification of such submitted bill
7 of materials required under paragraph (1); or

8 (B) any other manner of identification.

9 (3) A notification relating to the plan to miti-
10 gate, repair, or resolve each security vulnerability or
11 defect listed in the notification required under para-
12 graph (2).

13 (e) ENFORCEMENT.—In developing guidance under
14 subsection (a), the Secretary of Homeland Security shall
15 instruct covered officers with respect to—

16 (1) the processes available to such officers en-
17 forcing subsections (b) and (c); and

18 (2) when such processes should be used.

19 (f) EFFECTIVE DATE.—The guidance required under
20 subsection (a) shall take effect on the date that is one
21 year after the date of the enactment of this section.

22 (g) REGULATIONS.—The Department shall prescribe
23 such regulations as may be necessary to carry out this
24 section.

1 (h) GAO REPORT.—Not later than two years after
2 the date of the enactment of this Act, the Comptroller
3 General of the United States shall submit to the Secretary
4 of Homeland Security, the Committee on Homeland Security
5 of the House of Representatives, and the Committee
6 on Homeland Security and Governmental Affairs of the
7 Senate a report that includes—

8 (1) a review of the implementation of this section;
9

10 (2) information relating to the engagement of
11 the Department of Homeland Security with industry;
12

13 (3) an assessment of how the guidance issued
14 pursuant to subsection (a) complies with Executive
15 Order 14208 (86 Fed. Reg. 26633; relating to improving
16 the nation’s cybersecurity); and

17 (4) any recommendations relating to improving
18 the supply chain with respect to covered contracts.

19 (i) DEFINITIONS.—In this section:

20 (1) BILL OF MATERIALS.—The term “bill of
21 materials” means a list of the parts and components
22 (whether new or reused) of an end product or service,
23 including, with respect to each part and component,
24 information relating to the origin, composition,

1 integrity, and any other information as determined
2 appropriate by the Under Secretary.

3 (2) COVERED CONTRACT.—The term “covered
4 contract” means a contract relating to the procure-
5 ment of covered information and communications
6 technology or services for the Department of Home-
7 land Security.

8 (3) COVERED INFORMATION AND COMMUNICA-
9 TIONS TECHNOLOGY OR SERVICES.—The term “cov-
10 ered information and communications technology or
11 services” means the terms—

12 (A) “information technology” (as such
13 term is defined in section 11101(6) of title 40,
14 United States Code);

15 (B) “information system” (as such term is
16 defined in section 3502(8) of title 44, United
17 States Code);

18 (C) “telecommunications equipment” (as
19 such term is defined in section 3(52) of the
20 Communications Act of 1934 (47 U.S.C.
21 153(52))); and

22 (D) “telecommunications service” (as such
23 term is defined in section 3(53) of the Commu-
24 nications Act of 1934 (47 U.S.C. 153(53))).

1 (4) COVERED OFFICER.—The term “covered of-
2 ficer” means—

3 (A) a contracting officer of the Depart-
4 ment of Homeland Security; and

5 (B) any other official of the Department as
6 determined appropriate by the Under Secretary.

7 (5) SOFTWARE.—The term “software” means
8 computer programs and associated data that may be
9 dynamically written or modified during execution.

10 (6) UNDER SECRETARY.—The term “Under
11 Secretary” means the Under Secretary for Manage-
12 ment of the Department of Homeland Security.

13 **SEC. 50103. DEPARTMENT OF HOMELAND SECURITY MEN-
14 TOR-PROTÉGÉ PROGRAM.**

15 (a) IN GENERAL.—Subtitle H of title VIII of the
16 Homeland Security Act of 2002 (6 U.S.C. 451 et seq.)
17 is amended by adding at the end the following new section:

18 **“SEC. 890B. MENTOR-PROTÉGÉ PROGRAM.**

19 “(a) ESTABLISHMENT.—There is established in the
20 Department a mentor-protégé program (in this section re-
21 ferred to as the ‘Program’) under which a mentor firm
22 enters into an agreement with a protégé firm for the pur-
23 pose of assisting the protégé firm to compete for prime
24 contracts and subcontracts of the Department.

1 “(b) ELIGIBILITY.—The Secretary shall establish cri-
2 teria for mentor firms and protégé firms to be eligible to
3 participate in the Program, including a requirement that
4 a firm is not included on any list maintained by the Fed-
5 eral Government of contractors that have been suspended
6 or debarred.

7 “(c) PROGRAM APPLICATION AND APPROVAL.—

8 “(1) APPLICATION.—The Secretary, acting
9 through the Office of Small and Disadvantaged
10 Business Utilization of the Department, shall estab-
11 lish a process for submission of an application joint-
12 ly by a mentor firm and the protégé firm selected by
13 the mentor firm. The application shall include each
14 of the following:

15 “(A) A description of the assistance to be
16 provided by the mentor firm, including, to the
17 extent available, the number and a brief de-
18 scription of each anticipated subcontract to be
19 awarded to the protégé firm.

20 “(B) A schedule with milestones for
21 achieving the assistance to be provided over the
22 period of participation in the Program.

23 “(C) An estimate of the costs to be in-
24 curred by the mentor firm for providing assist-
25 ance under the Program.

1 “(D) Attestations that Program partici-
2 pants will submit to the Secretary reports at
3 times specified by the Secretary to assist the
4 Secretary in evaluating the protégé firm’s devel-
5 opmental progress.

6 “(E) Attestations that Program partici-
7 pants will inform the Secretary in the event of
8 a change in eligibility or voluntary withdrawal
9 from the Program.

10 “(2) APPROVAL.—Not later than 60 days after
11 receipt of an application pursuant to paragraph (1),
12 the head of the Office of Small and Disadvantaged
13 Business Utilization shall notify applicants of ap-
14 proval or, in the case of disapproval, the process for
15 resubmitting an application for reconsideration.

16 “(3) RESCISSION.—The head of the Office of
17 Small and Disadvantaged Business Utilization may
18 rescind the approval of an application under this
19 subsection if it determines that such action is in the
20 best interest of the Department.

21 “(d) PROGRAM DURATION.—A mentor firm and
22 protégé firm approved under subsection (c) shall enter into
23 an agreement to participate in the Program for a period
24 of not less than 36 months.

1 “(e) PROGRAM BENEFITS.—A mentor firm and
2 protégé firm that enter into an agreement under this sec-
3 tion may receive the following Program benefits:

4 “(1) With respect to an award of a contract
5 that requires a subcontracting plan, a mentor firm
6 may receive evaluation credit for participating in the
7 Program.

8 “(2) With respect to an award of a contract
9 that requires a subcontracting plan, a mentor firm
10 may receive credit for a protégé firm performing as
11 a first tier subcontractor or a subcontractor at any
12 tier in an amount equal to the total dollar value of
13 any subcontracts awarded to such protégé firm.

14 “(3) A protégé firm may receive technical, man-
15 agerial, financial, or any other mutually agreed upon
16 benefit from a mentor firm, including a subcontract
17 award.

18 “(f) REPORTING.—Not later than one year after the
19 date of the enactment of this section and annually there-
20 after, the head of the Office of Small and Disadvantaged
21 Business Utilization shall submit to the Committee on
22 Homeland Security and Governmental Affairs and the
23 Committee on Small Business and Entrepreneurship of
24 the Senate and the Committee on Homeland Security and
25 the Committee on Small Business of the House of Rep-

1 representatives a report covering the immediately preceding
2 12 month period that—

3 “(1) identifies each agreement between a men-
4 tor firm and a protégé firm entered into under this
5 section, including the number of protégé firm par-
6 ticipants that are—

7 “(A) small business concerns;

8 “(B) small business concerns owned and
9 controlled by veterans;

10 “(C) small business concerns owned and
11 controlled by service-disabled veterans;

12 “(D) qualified HUBZone small business
13 concerns;

14 “(E) small business concerns owned and
15 controlled by socially and economically dis-
16 advantaged individuals;

17 “(F) small business concerns owned and
18 controlled by women;

19 “(G) historically Black colleges and univer-
20 sities; and

21 “(H) minority-serving institutions;

22 “(2) describes the type of assistance provided
23 by mentor firms to protégé firms;

24 “(3) identifies contracts within the Department
25 in which a mentor firm serving as the prime con-

1 tractor provided subcontracts to a protégé firm
2 under the Program; and

3 “(4) assesses the degree to which there has
4 been—

5 “(A) an increase in the technical capabili-
6 ties of protégé firms; and

7 “(B) an increase in the quantity and esti-
8 mated value of prime contract and subcontract
9 awards to protégé firms for the period covered
10 by each such report.

11 “(g) RULE OF CONSTRUCTION.—Nothing in this sec-
12 tion may be construed to limit, diminish, impair, or other-
13 wise affect the authority of the Department to participate
14 in any program carried out by or requiring approval of
15 the Small Business Administration or adopt or follow any
16 regulation or policy that the Administrator of the Small
17 Business Administration may promulgate, except that, to
18 the extent that any provision of this section conflicts with
19 any other provision of law, regulation, or policy, this sec-
20 tion shall control.

21 “(h) DEFINITIONS.—In this section:

22 “(1) HISTORICALLY BLACK COLLEGE OR UNI-
23 VERSITY.—The term ‘historically Black college or
24 university’ has the meaning given the term ‘part B

1 institution' in section 322 of the Higher Education
2 Act of 1965 (20 U.S.C. 1061).

3 “(2) MENTOR FIRM.—The term ‘mentor firm’
4 means a for-profit business concern that is not a
5 small business concern that—

6 “(A) has the ability to assist and commits
7 to assisting a protégé to compete for Federal
8 prime contracts and subcontracts; and

9 “(B) satisfies any other requirements im-
10 posed by the Secretary.

11 “(3) MINORITY-SERVING INSTITUTION.—The
12 term ‘minority-serving institution’ means an institu-
13 tion of higher education described in section 371 of
14 the Higher Education Act of 1965 (20 U.S.C.
15 1067q(a)).

16 “(4) PROTÉGÉ FIRM.—The term ‘protégé firm’
17 means a small business concern, a historically Black
18 college or university, or a minority-serving institu-
19 tion that—

20 “(A) is eligible to enter into a prime con-
21 tract or subcontract with the Department; and

22 “(B) satisfies any other requirements im-
23 posed by the Secretary.

24 “(5) SMALL BUSINESS ACT DEFINITIONS.—The
25 terms ‘small business concern’, ‘small business con-

1 cern owned and controlled by veterans’, ‘small busi-
2 ness concern owned and controlled by service-dis-
3 abled veterans’, ‘qualified HUBZone small business
4 concern’, ‘and small business concern owned and
5 controlled by women’ have the meanings given such
6 terms, respectively, under section 3 of the Small
7 Business Act (15 U.S.C. 632). The term ‘small busi-
8 ness concern owned and controlled by socially and
9 economically disadvantaged individuals’ has the
10 meaning given such term in section 8(d)(3)(C) of
11 the Small Business Act (15 U.S.C. 637(d)(3)(C)).”.

12 (b) **CLERICAL AMENDMENT.**—The table of contents
13 in section 1(b) of the Homeland Security Act of 2002 is
14 amended by inserting after the item relating to section
15 890A the following new item:

“Sec. 890B. Mentor-protégé program.”.

16 **SEC. 50104. UNMANNED AERIAL SECURITY.**

17 (a) **PROHIBITION ON AGENCY OPERATION OR PRO-**
18 **CUREMENT.**—Except as provided in subsection (b) and
19 subsection (c)(3), the Secretary of Homeland Security
20 may not operate, provide financial assistance for, or enter
21 into or renew a contract for the procurement of—

22 (1) an unmanned aircraft system (UAS) that—
23 (A) is manufactured in a covered foreign
24 country or by a corporation domiciled in a cov-
25 ered foreign country;

1 (B) uses flight controllers, radios, data
2 transmission devices, cameras, or gimbals man-
3 ufactured in a covered foreign country or by a
4 corporation domiciled in a covered foreign coun-
5 try;

6 (C) uses a ground control system or oper-
7 ating software developed in a covered foreign
8 country or by a corporation domiciled in a cov-
9 ered foreign country; or

10 (D) uses network connectivity or data stor-
11 age located in a covered foreign country or ad-
12 ministered by a corporation domiciled in a cov-
13 ered foreign country;

14 (2) a software operating system associated with
15 a UAS that uses network connectivity or data stor-
16 age located in a covered foreign country or adminis-
17 tered by a corporation domiciled in a covered foreign
18 country; or

19 (3) a system for the detection or identification
20 of a UAS, which system is manufactured in a cov-
21 ered foreign country or by a corporation domiciled in
22 a covered foreign country.

23 (b) WAIVER.—

24 (1) IN GENERAL.—The Secretary of Homeland
25 Security is authorized to waive the prohibition under

1 subsection (a) if the Secretary certifies in writing to
2 the Committee on Homeland Security of the House
3 of Representatives and the Committee on Homeland
4 Security and Governmental Affairs of the Senate
5 that a UAS, a software operating system associated
6 with a UAS, or a system for the detection or identi-
7 fication of a UAS referred to in any of subpara-
8 graphs (A) through (C) of paragraph (1) of such
9 subsection that is the subject of such a waiver is re-
10 quired—

11 (A) in the national interest of the United
12 States;

13 (B) for counter-UAS surrogate research,
14 testing, development, evaluation, or training; or

15 (C) for intelligence, electronic warfare, or
16 information warfare operations, testing, anal-
17 ysis, and or training.

18 (2) NOTICE.—The certification described in
19 paragraph (1) shall be submitted to the Committees
20 specified in such paragraph by not later than the
21 date that is 14 days after the date on which a waiv-
22 er is issued under such paragraph.

23 (c) EFFECTIVE DATES.—

1 (1) IN GENERAL.—This section shall take effect
2 on the date that is 120 days after the date of the
3 enactment of this Act.

4 (2) WAIVER PROCESS.—Not later than 60 days
5 after the date of the enactment of this Act, the Sec-
6 retary of Homeland Security shall establish a proc-
7 ess by which the head of an office or component of
8 the Department of Homeland Security may request
9 a waiver under subsection (b).

10 (3) EXCEPTION.—Notwithstanding the prohibi-
11 tion under subsection (a), the head of an office or
12 component of the Department of Homeland Security
13 may continue to operate a UAS, a software oper-
14 ating system associated with a UAS, or a system for
15 the detection or identification of a UAS described in
16 any of paragraphs (1) through (3) of such sub-
17 section that was in the inventory of such office or
18 component on the day before the effective date of
19 this section until—

20 (A) such time as the Secretary of Home-
21 land Security has—

22 (i) granted a waiver relating thereto
23 under subsection (b), or

24 (ii) declined to grant such a waiver, or

1 (B) one year after the date of the enact-
2 ment of this Act,
3 whichever is later.

4 (d) DRONE ORIGIN SECURITY REPORT TO CON-
5 GRESS.—Not later than 180 days after the date of the
6 enactment of this Act, the Secretary of Homeland Security
7 shall submit to the Committee on Homeland Security of
8 the House of Representatives and the Committee on
9 Homeland Security and Governmental Affairs of the Sen-
10 ate a terrorism threat assessment and report that contains
11 information relating to the following:

12 (1) The extent to which the Department of
13 Homeland Security has previously analyzed the
14 threat that a UAS, a software operating system as-
15 sociated with a UAS, or a system for the detection
16 or identification of a UAS from a covered foreign
17 country operating in the United States poses, and
18 the results of such analysis.

19 (2) The number of UAS, software operating
20 systems associated with a UAS, or systems for the
21 detection or identification of a UAS from a covered
22 foreign country in operation by the Department, in-
23 cluding an identification of the component or office
24 of the Department at issue, as of such date.

1 (3) The extent to which information gathered
2 by such a UAS, a software operating system associ-
3 ated with a UAS, or a system for the detection or
4 identification of a UAS from a covered foreign coun-
5 try could be employed to harm the national or eco-
6 nomic security of the United States.

7 (e) DEFINITIONS.—In this section:

8 (1) COVERED FOREIGN COUNTRY.—The term
9 “covered foreign country” means a country that—

10 (A) the intelligence community has identi-
11 fied as a foreign adversary in its most recent
12 Annual Threat Assessment; or

13 (B) the Secretary of Homeland Security,
14 in coordination with the Director of National
15 Intelligence, has identified as a foreign adver-
16 sary that is not included in such Annual Threat
17 Assessment.

18 (2) INTELLIGENCE COMMUNITY.—The term
19 “intelligence community” has the meaning given
20 such term in section 3(4) of the National Security
21 Act of 1947 (50 U.S.C. 3003(4)).

22 (3) UNMANNED AIRCRAFT SYSTEM; UAS.—The
23 terms “unmanned aircraft system” and “UAS” have
24 the meaning given the term “unmanned aircraft sys-

1 tem” in section 341 of the FAA Modernization Act
2 of 2018 (Public Law 115–254).

3 **DIVISION G—COMMITTEE ON**
4 **FINANCIAL SERVICES**
5 **TITLE I—U.S. POLICY ON WORLD**
6 **BANK GROUP AND ASIAN DE-**
7 **VELOPMENT BANK LOANS TO**
8 **CHINA**

9 **SEC. 60101. U.S. POLICY ON WORLD BANK GROUP AND**
10 **ASIAN DEVELOPMENT BANK LOANS TO**
11 **CHINA.**

12 Title XVI of the International Financial Institutions
13 Act (22 U.S.C. 262p et seq.) is amended by adding at
14 the end the following:

15 **“SEC. 1632. U.S. POLICY ON WORLD BANK GROUP AND**
16 **ASIAN DEVELOPMENT BANK LOANS TO**
17 **CHINA.**

18 “(a) IN GENERAL.—The Secretary of the Treasury
19 shall instruct the United States Executive Directors at the
20 World Bank Group and the Asian Development Bank to
21 use the voice and vote of the United States at the respec-
22 tive institution to vote against any assistance to the Peo-
23 ple’s Republic of China unless the Secretary of the Treas-
24 ury has certified to the appropriate congressional commit-
25 tees that—

1 “(1) the Government of the People’s Republic
2 of China and any lenders owned or controlled by the
3 Government of the People’s Republic of China have
4 credibly committed—

5 “(A) to participate in multilateral debt re-
6 lief initiatives on terms at least comparable to
7 other Group of 20 governments;

8 “(B) to the practice of presumptive public
9 disclosure of the terms and conditions on which
10 they extend credit to other governments (with-
11 out regard to the form of any such extension of
12 credit);

13 “(C) not to enforce any agreement terms
14 that may impair their own or the borrowers’ ca-
15 pacity fully to implement commitments de-
16 scribed under subparagraphs (A) and (B); and

17 “(D) not to enter into any agreement con-
18 taining terms that may impair their own or the
19 borrowers’ capacity fully to implement commit-
20 ments described under subparagraphs (A) and
21 (B); and

22 “(2) such assistance contributes significantly to
23 the provision of a global public good that serves the
24 national interest of the United States, such as lim-
25 iting the negative impacts of climate change.

1 “(b) DEFINITIONS.—In this section:

2 “(1) APPROPRIATE CONGRESSIONAL COMMIT-
3 TEES.—The term ‘appropriate congressional com-
4 mittees’ means the Committee on Financial Services
5 of the House of Representatives and the Committee
6 on Foreign Relations of the Senate.

7 “(2) WORLD BANK GROUP DEFINED.—The
8 term ‘World Bank Group’ means the International
9 Bank for Reconstruction and Development, the
10 International Development Association, the Inter-
11 national Finance Corporation, and the Multilateral
12 Investment Guarantee Agency.”.

13 **TITLE II—PROHIBITIONS OR**
14 **CONDITIONS ON CERTAIN**
15 **TRANSMITTALS OF FUNDS**

16 **SEC. 60201. FINDINGS.**

17 Congress finds the following:

18 (1) The Financial Crimes Enforcement Net-
19 work (FinCEN) is the Financial Intelligence Unit of
20 the United States tasked with safeguarding the fi-
21 nancial system from illicit use, combating money
22 laundering and its related crimes including ter-
23 rorism, and promoting national security.

24 (2) Per statute, FinCEN may require domestic
25 financial institutions and financial agencies to take

1 certain “special measures” against jurisdictions, in-
2 stitutions, classes of transactions, or types of ac-
3 counts determined to be of primary money laun-
4 dering concern, providing the Secretary with a range
5 of options, such as enhanced record-keeping, that
6 can be adapted to target specific money laundering
7 and terrorist financing and to bring pressure on
8 those that pose money laundering threats.

9 (3) This special-measures authority was grant-
10 ed in 2001, when most cross-border transactions oc-
11 curred through correspondent or payable-through ac-
12 counts held with large financial institutions which
13 serve as intermediaries to facilitate financial trans-
14 actions on behalf of other banks.

15 (4) Innovations in financial services have trans-
16 formed and expanded methods of cross-border trans-
17 actions that could not have been envisioned 20 years
18 ago when FinCEN was given its special-measures
19 authority.

20 (5) These innovations, particularly through dig-
21 ital assets and informal value transfer systems, while
22 useful to legitimate consumers, are also a boon for
23 bad actors like sanctions evaders, fraudsters, money
24 launderers, and those who commit ransomware at-
25 tacks on victimized U.S. companies and which use

1 the financial system to move and obscure the pro-
2 ceeds of their crimes.

3 (6) Ransomware attacks on U.S. companies re-
4 quiring payments in cryptocurrencies have increased
5 in recent years, with the U.S. Treasury estimating
6 that ransomware payments in the United States
7 reached \$590 million in just the first half of 2021,
8 compared to a total of \$416 million in 2020.

9 (7) In July 2021, the White House, with sup-
10 port of U.S. allies, asserted that the People's Repub-
11 lic of China was responsible for ransomware oper-
12 ations against private companies that included de-
13 mands of millions of dollars, including the 2021
14 ransomware attacks that breached Microsoft email
15 systems and affected thousands of consumers, State
16 and local municipalities, and government contractors
17 attributed to a cyber espionage group with links to
18 the Chinese Ministry of State Security.

19 (8) As ransomware attacks organized by Chi-
20 nese and other foreign bad actors continue to grow
21 in size and scope, modernizing FinCEN's special
22 measure authorities will empower FinCEN to adapt
23 its existing tools, monitor and obstruct global finan-
24 cial threats, and meet the challenges of combating
25 21st century financial crime.

1 **SEC. 60202. PROHIBITIONS OR CONDITIONS ON CERTAIN**
2 **TRANSMITTALS OF FUNDS.**

3 Section 5318A of title 31, United States Code, is
4 amended—

5 (1) in subsection (a)—

6 (A) in paragraph (1), by inserting after
7 “Secretary of the Treasury may” the following:
8 “, by order, regulation, or otherwise as per-
9 mitted by law,”;

10 (B) by striking paragraph (2) and insert-
11 ing the following:

12 “(2) FORM OF REQUIREMENT.—The special
13 measures described in subsection (b) may be im-
14 posed in such sequence or combination as the Sec-
15 retary shall determine.”;

16 (C) by striking paragraph (3); and

17 (D) by redesignating paragraphs (4) and
18 (5) as paragraphs (3) and (4), respectively; and
19 (2) in subsection (b)—

20 (A) in paragraph (5), by striking “on be-
21 half of a foreign banking institution”; and

22 (B) by adding at the end the following:

23 “(6) PROHIBITIONS OR CONDITIONS ON CER-
24 TAIN TRANSMITTALS OF FUNDS.—If the Secretary
25 finds a jurisdiction outside of the United States, 1
26 or more financial institutions operating outside of

1 the United States, 1 or more types of accounts with-
2 in, or involving, a jurisdiction outside of the United
3 States, or 1 or more classes of transactions within,
4 or involving, a jurisdiction outside of the United
5 States to be of primary money laundering concern,
6 the Secretary, in consultation with the Secretary of
7 the State, the Attorney General, and the Chairman
8 of the Board of Governors of the Federal Reserve
9 System, may prohibit, or impose conditions upon
10 certain transmittals of funds (as such term may be
11 defined by the Secretary in a special measure
12 issuance, by regulation, or as otherwise permitted by
13 law), to or from any domestic financial institution or
14 domestic financial agency if such transmittal of
15 funds involves any such jurisdiction, institution, type
16 of account, or class of transaction.”.

17 **TITLE III—U.S. STOCK EX-**
18 **CHANGE TRADING PROHIBI-**
19 **TION FOR 2 CONSECUTIVE**
20 **AUDITOR NON-INSPECTION**
21 **YEARS**

22 **SEC. 60301. TRADING PROHIBITION FOR 2 CONSECUTIVE**
23 **NON-INSPECTION YEARS.**

24 Section 104(i) of the Sarbanes-Oxley Act of 2002 (15
25 U.S.C. 7214(i)) is amended—

1 (1) in paragraph (2)(A)(ii), by striking “the
2 foreign jurisdiction described in clause (i)” and in-
3 serting “a foreign jurisdiction”; and

4 (2) in paragraph (3)—

5 (A) in the paragraph heading, by striking
6 “3” and inserting “2”; and

7 (B) in subparagraph (A), in the matter
8 preceding clause (i), by striking “3” and insert-
9 ing “2”.

10 **TITLE IV—COMBATING WILD-**
11 **LIFE TRAFFICKING FINANC-**
12 **ING AND PROCEEDS STUDY**
13 **ACT**

14 **SEC. 60401. FINDINGS.**

15 Congress finds the following:

16 (1) The 2017 report by the think tank, Global
17 Financial Integrity, entitled “Transnational Crime
18 and the Developing World”, determined that the an-
19 nual global retail value of illegal wildlife trade is be-
20 tween \$5 billion to \$23 billion, and when losses to
21 ecosystem services are considered, the World Bank
22 estimates the cost of environmental crime is between
23 \$1 trillion and \$2 trillion, annually.

24 (2) Wildlife traffickers do not prefer particular
25 species or commodities, but instead, according to the

1 non-governmental organization, United for Wildlife,
2 wildlife traffickers focus on the demand, availability,
3 profit potential, and relatively low risk associated
4 with acquiring, trading, and distributing wildlife
5 globally.

6 (3) The trafficking of wildlife affects human
7 health because of undetected spread of zoonotic dis-
8 eases, scarcity in food resources, and the environ-
9 mental results of degraded ecosystems.

10 (4) Also, the trafficking of illicit wildlife such as
11 pangolins from Africa, macaws from Peru, turtles
12 from the United States, and rosewood species smug-
13 gled globally threatens our national security at home
14 and American interests abroad because rogue orga-
15 nizations, including transnational criminal organiza-
16 tions, use the proceeds to fund illegal and violent
17 acts throughout the world, fueling corruption and
18 benefiting from corrupt government officials, weak-
19 ening the rule of law, and distorting commercial
20 markets.

21 (5) Many of these supply chains are affected by
22 Chinese activity, from the criminal organizations in-
23 volved in the initial poaching of targeted commod-
24 ities to the demand for goods produced from endan-
25 gered plants and animals.

1 (6) The Organized Crime Drug Enforcement
2 Task Forces conducted an investigation known as
3 “Operation Apex” which identified extensive overlaps
4 among drug trafficking organizations, professional
5 money launderers, and wildlife trafficking syn-
6 dicates.

7 (7) A study conducted by Federal entities that
8 examined wildlife trafficking networks determined
9 that—

10 (A) more than two-thirds of persons traf-
11 ficking wildlife also trafficked narcotics;

12 (B) 10 percent of persons trafficking wild-
13 life were doing so to finance terrorism; and

14 (C) a small percentage of persons traf-
15 ficking wildlife were doing so to finance the pro-
16 liferation of nuclear materials.

17 (8) Because wildlife trafficking is executed as
18 part of a commodity-agnostic global enterprise, the
19 United States and allies of the United States should
20 focus efforts to reduce wildlife trafficking on cur-
21 tailing the expansive networks that traffic wildlife
22 and other goods and on bringing enforcement ac-
23 tions against persons who launder the proceeds of
24 those persons who traffic wildlife rather than pursue
25 specific nations, groups, or commodities.

1 (9) In the past decade, the illicit wildlife trade
2 has moved online, mainly to social media platforms,
3 creating jurisdictional and technical challenges for
4 law enforcement.

5 **SEC. 60402. STUDY.**

6 (a) IN GENERAL.—The Secretary of the Treasury
7 and the Secretary of the Interior, acting through the U.S.
8 Fish and Wildlife Service, shall jointly, not later than 2
9 years after the date of the enactment of this Act, conduct
10 a study with respect to wildlife trafficking financing and
11 proceeds and submit a report on such study to—

12 (1) the Committees on Financial Services and
13 Natural Resources of the House of Representatives;
14 and

15 (2) the Committees on Banking, Housing, and
16 Urban Affairs and Energy and Natural Resources of
17 the Senate.

18 (b) CONSULTATION.—In conducting the study re-
19 quired under subsection (a), the Secretary of the Treasury
20 and the Secretary of the Interior shall consult with such
21 other Federal officials as the Secretaries determine appro-
22 priate, including the Secretary of State, the Director of
23 National Intelligence, the Director of Homeland Security
24 Investigations, the Attorney General, and the Secretary of
25 Defense.

1 (c) INPUT.—In conducting the study required under
2 subsection (a), the Secretary of the Treasury and the Sec-
3 retary of the Interior shall solicit and incorporate, where
4 possible and as determined appropriate by the Secretaries,
5 input from—

6 (1) domestic, foreign, and multilateral law en-
7 forcement organizations,

8 (2) the intelligence community;

9 (3) wildlife advocates;

10 (4) experts in transnational organized crime,
11 cyber-crime, and illicit finance; and

12 (5) nongovernmental organizations, academia,
13 foundations, and other public and private entities.

14 (d) CONTENTS OF REPORT.—The report required
15 under subsection (a) shall include—

16 (1) an overview of the criminal and complicit
17 actors, including individuals, organizations, corrupt
18 networks, and nations, that participate in wildlife
19 trafficking from source to market, both proactively
20 and permissively.

21 (2) an overview of the types of wildlife traf-
22 ficked, for what purposes, and from where;

23 (3) an overview of the roles of professional
24 money launderers, corporate and trust formation
25 agents, kleptocrats, and other supply chain and fi-

1 nancial facilitators with respect to wildlife traf-
2 ficking;

3 (4) a discussion, based on a consideration of
4 relevant prior studies and investigations, of the con-
5 vergence of wildlife trafficking with other types of
6 trafficking, including trafficking in persons, timber
7 trafficking, and narcotics trafficking, including
8 shared supply chains and financial facilitators;

9 (5) an overview of the national security implica-
10 tions associated with wildlife trafficking and the fi-
11 nancing and proceeds of wildlife trafficking, includ-
12 ing—

13 (A) potential threats to security, including
14 corruption and State instability resulting from
15 wildlife trafficking; and

16 (B) potential threats to public health, in-
17 cluding global pandemic and ecosystem collapse;

18 (6) an examination of how anti-corruption ac-
19 tivities might be leveraged with respect to mitigating
20 the ways in which corrupt officials and politically ex-
21 posed persons enable and engage in wildlife traf-
22 ficking financing and proceeds;

23 (7) an examination of payments methods used
24 to facilitate the trafficking of wildlife, including its
25 financing and proceeds;

1 (8) an examination of how online platforms are
2 used to facilitate trafficking and trafficking-related
3 payments that—

4 (A) describes the extent to which illicit
5 wildlife trade occurs online, including through
6 social media platforms, ecommerce sites, and
7 encrypted messaging and other surface web
8 platforms;

9 (B) identifies payments- and proceeds-re-
10 lated reasons that different online platforms
11 may be chosen by persons trafficking in wildlife;
12 and

13 (C) identifies online platforms that are
14 used most for transactions and payments in-
15 volving trafficking in wildlife;

16 (9) an examination of private-sector best prac-
17 tices for combating wildlife trafficking financing and
18 proceeds (including those found in the financial serv-
19 ices industry), as well as any practices that have not
20 had success combating wildlife trafficking financing
21 and proceeds;

22 (10) a discussion of ways in which existing
23 laws, multilateral agreements, and forums could be
24 expanded or modified to combat wildlife trafficking
25 financing and disrupt its proceeds;

1 (11) an identification of tools of international
2 and national engagement, including partnerships
3 with private sector and international financial insti-
4 tutions, that could be coordinated to combat wildlife
5 trafficking financing and disrupt its proceeds;

6 (12) recommendations about ways in which
7 interdisciplinary collaboration across Federal agen-
8 cies could be incentivized to maximize information
9 and analysis from investigations into other types of
10 trafficking and which may benefit from the informa-
11 tion and analysis gleaned from wildlife trafficking
12 investigations;

13 (13) an examination of how data collection, col-
14 laboration, analysis, and technology tools, including
15 artificial intelligence and machine learning might be
16 leveraged to combat wildlife trafficking and its pro-
17 ceeds;

18 (14) a recommendation of whether Congress
19 should renew the wildlife trafficking task force au-
20 thorized in the END Act and sunseting in Decem-
21 ber 2021; and

22 (15) an examination of how anti-corruption ac-
23 tivities and practices could be included in existing
24 Federal and international wildlife trafficking preven-
25 tion and enforcement efforts.

1 (e) CLASSIFICATION OF REPORT.—The report re-
2 quired under subsection (a) may be submitted in classified
3 form but shall have an unclassified annex or executive
4 summary.

5 **TITLE V—STUDY ON CHINESE**
6 **SUPPORT FOR AFGHAN IL-**
7 **LICIT FINANCE**

8 **SEC. 60501. STUDY ON CHINESE SUPPORT FOR AFGHAN IL-**
9 **LICIT FINANCE.**

10 (a) FINDINGS.—Congress finds the following:

11 (1) Though China and Afghanistan share only
12 a small land border, when it comes to illicit financial
13 activity between the two countries, China has a dem-
14 onstrated history of permissiveness regarding traf-
15 ficking and money laundering that could support
16 both the Taliban and its associates.

17 (2) A 2014 Financial Action Task Force report
18 titled, “Financial Flows Linked to the Production
19 and Trafficking of Afghan Opiates” found evidence
20 of import/export companies registered in China that
21 were transferring funds to Afghanistan, likely as
22 part of trade-based money laundering schemes cen-
23 tered around illicit opium production and trafficking,
24 which, per the United Nations Office on Drugs and

1 Crime (UNODC), is one of the Taliban's main
2 sources of income.

3 (3) Since the U.S. withdrawal from Afghanistan
4 in August 2021, China has announced its willingness
5 to lend financial support and legitimacy to the
6 Taliban-led government in Afghanistan, including
7 Afghan Interior Minister, Sirajuddin Haqqani, a
8 member of the U.S.-sanctions designated Foreign
9 Terrorist Organization, the Haqqani Network.

10 (4) China's permissive policies regarding Af-
11 ghan illicit finance run counter to the strategic in-
12 terests of the United States with respect to coun-
13 tering trafficking and preventing terrorist groups
14 from accessing the international financial system.

15 (5) China's role as a critical source of financial
16 wherewithal for the Taliban and its associates to
17 process and implement drug and other illicit-activity
18 transactions warrants further study as these actions
19 pose a threat both to the safety and security of the
20 people of Afghanistan and the international commu-
21 nity.

22 (6) Congress needs to better understand how
23 China could leverage its relationships and resources
24 within Afghanistan and how these activities could di-
25 rectly or indirectly provide financial support to ter-

1 rorist organizations, including the Taliban and its
2 associates.

3 (b) STUDY.—

4 (1) REQUIREMENT.—Not later than one year
5 after the date of the enactment of this Act, the Sec-
6 retary of Treasury shall provide to the Committee on
7 Financial Services of the House of Representatives
8 and the Committee on Banking, Housing, and
9 Urban Affairs of the Senate a report on the finan-
10 cial activities of China and Chinese entities in con-
11 nection with the finances of Afghanistan and the
12 Taliban.

13 (2) MATTERS INCLUDED.—The report under
14 paragraph (1) shall include the following:

15 (A) An assessment of the activities under-
16 taken by the People's Republic of China and
17 Chinese-registered companies to support illicit
18 financial networks in Afghanistan, particularly
19 such networks involved in narcotics trafficking,
20 illicit financial transactions, official corruption,
21 natural resources exploitation, and terrorist net-
22 works.

23 (B) An assessment of financial, commer-
24 cial, and economic activities undertaken by
25 China and Chinese companies in Afghanistan to

1 support Chinese policies counter to American
2 strategic interests.

3 (C) Any recommendations to Congress re-
4 garding legislative or regulatory improvements
5 necessary to support the identification and dis-
6 ruption of Chinese-supported illicit financial
7 networks in Afghanistan.

8 (3) FORM.—The report under paragraph (1)
9 may include a classified annex.

10 **TITLE VI—U.S. POLICY ON MUL-**
11 **TILATERAL DEVELOPMENT**
12 **BANK CO-FINANCING AR-**
13 **RANGEMENTS WITH CHINA’S**
14 **INFRASTRUCTURE BANK**

15 **SEC. 60601. U.S. POLICY ON CO-FINANCING ARRANGEMENTS**
16 **AT THE MULTILATERAL DEVELOPMENT**
17 **BANKS.**

18 Title XVI of the International Financial Institutions
19 Act (22 U.S.C. 262p et seq.), as amended by section
20 60101, is further amended by adding at the end the fol-
21 lowing:

1 **“SEC. 1633. U.S. POLICY ON CO-FINANCING ARRANGEMENTS**
2 **AT THE MULTILATERAL DEVELOPMENT**
3 **BANKS.**

4 “The Secretary of the Treasury shall instruct the
5 United States Executive Directors at the multilateral de-
6 velopment banks (as defined in section 1701(c)(4)) to use
7 the voice and vote of the United States to vote against
8 any program or project at the respective institution if it
9 includes joint or parallel financing provided by the Asian
10 Infrastructure Investment Bank unless the Secretary of
11 the Treasury has certified to the Committee on Financial
12 Services of the House of Representatives and the Com-
13 mittee on Foreign Relations of the Senate that the Asian
14 Infrastructure Investment Bank—

15 “(1) has the authority and the resources to pro-
16 vide grants and concessional assistance to countries
17 eligible to borrow from the International Develop-
18 ment Association on terms similar to those provided
19 to these countries by the International Development
20 Association; and

21 “(2) has demonstrated a track record of pro-
22 viding such assistance to these countries.”.

1 **TITLE VII—CHINA FINANCIAL**
2 **THREAT MITIGATION**

3 **SEC. 60701. CHINA FINANCIAL THREAT MITIGATION.**

4 (a) **REPORT.**—The Secretary of the Treasury shall
5 conduct a study and issue a report that includes a descrip-
6 tion and analysis of any risks to the financial stability of
7 the United States and the global economy emanating from
8 the People’s Republic of China, along with any rec-
9 ommendations to the United States representatives at rel-
10 evant international organizations as appropriate to
11 strengthen international cooperation to monitor and miti-
12 gate such financial stability risks.

13 (b) **TRANSMISSION OF REPORT.**—The Secretary of
14 the Treasury shall transmit the report required under sub-
15 section (a) no later than December 31, 2022, to the Com-
16 mittees on Financial Services and Foreign Affairs of the
17 House of Representatives, the Committees on Banking,
18 Housing, and Urban Affairs and Foreign Relations of the
19 Senate, and to the United States representatives at rel-
20 evant international organizations, as appropriate.

21 (c) **CLASSIFICATION.**—The report required under
22 subsection (a) shall be unclassified, but may contain a
23 classified annex.

24 (d) **PUBLICATION OF REPORT.**—The Secretary of the
25 Treasury shall publish the report required under sub-

1 section (a) (other than any classified annex) on the
2 website of the Department of the Treasury no later than
3 December 31, 2022.

4 **TITLE VIII—SUPPORT FOR DEBT**
5 **RELIEF FOR DEVELOPING**
6 **COUNTRIES**

7 **SEC. 60801. SUPPORT FOR INTERNATIONAL INITIATIVES TO**
8 **PROVIDE DEBT RELIEF TO DEVELOPING**
9 **COUNTRIES WITH UNSUSTAINABLE LEVELS**
10 **OF DEBT.**

11 (a) DEBT RELIEF.—The Secretary of the Treasury,
12 in consultation with the Secretary of State, shall—

13 (1) engage with international financial institu-
14 tions and official and commercial creditors to ad-
15 vance support for the effective implementation of the
16 Common Framework of the Group of 20 Nations (in
17 this section referred to as the “Common Frame-
18 work”), or any successor mechanism or framework,
19 through the establishment of clear procedures and a
20 commitment to transparency and equitable burden-
21 sharing through broad participation; and

22 (2) instruct the United States Executive Direc-
23 tor at the International Monetary Fund and the
24 United States Executive Director at the World Bank

1 to use the voice and vote of the United States to ad-
2 vance the efforts described in paragraph (1).

3 (b) REPORTING REQUIREMENT.—Not later than 120
4 days after the date of the enactment of this Act, and annu-
5 ally thereafter until the end of the COVID–19 pandemic,
6 as determined by the World Health Organization, the Sec-
7 retary of the Treasury, in coordination with the Secretary
8 of State, shall submit to the committees specified in sub-
9 section (c) a report that describes—

10 (1) actions that have been taken, in coordina-
11 tion with international financial institutions, by offi-
12 cial creditor countries, including the People’s Repub-
13 lic of China which is the world’s largest official cred-
14 itor, and relevant commercial creditor groups to ad-
15 vance debt relief for developing countries with
16 unsustainable debt that have sought relief under the
17 Common Framework;

18 (2) any implementation issues that hinder the
19 ability of the Common Framework to provide timely
20 debt restructuring for developing countries that seek
21 relief from unsustainable levels of debt, including
22 any refusal by official creditors to adhere to estab-
23 lished principles of debt transparency, and rec-
24 ommendations on how to address these issues;

1 (3) any United States policy concerns regarding
2 debt relief to specific countries; and

3 (4) the transparency and accountability meas-
4 ures established or proposed to ensure that resources
5 freed up by the debt relief described in paragraph
6 (1) will be used for activities—

7 (A) that respond to the health, economic,
8 and social effects of the COVID–19 pandemic,
9 and help ensure equitable recoveries and
10 growth; and

11 (B) that are consistent with the interests
12 and values of the United States.

13 (c) COMMITTEES SPECIFIED.—The committees speci-
14 fied in this subsection are—

15 (1) the Committee on Banking, Housing, and
16 Urban Affairs and the Committee on Foreign Rela-
17 tions of the Senate; and

18 (2) the Committee on Financial Services and
19 the Committee on Foreign Affairs of the House of
20 Representatives.

1 **TITLE IX—SECURING AMERICA’S**
2 **VACCINES FOR EMERGENCIES**

3 **SEC. 60901. SHORT TITLE.**

4 This title may be cited as the “Securing America’s
5 Vaccines for Emergencies Act of 2022” or the “SAVE Act
6 of 2022”.

7 **SEC. 60902. SECURING ESSENTIAL MEDICAL MATERIALS.**

8 (a) STATEMENT OF POLICY.—Section 2(b) of the De-
9 fense Production Act of 1950 (50 U.S.C. 4502) is amend-
10 ed—

11 (1) by redesignating paragraphs (3) through
12 (8) as paragraphs (4) through (9), respectively; and

13 (2) by inserting after paragraph (2) the fol-
14 lowing:

15 “(3) authorities under this Act should be used
16 when appropriate to ensure the availability of med-
17 ical materials essential to national defense, including
18 through measures designed to secure the drug sup-
19 ply chain, and taking into consideration the impor-
20 tance of United States competitiveness, scientific
21 leadership and cooperation, and innovative capac-
22 ity;”.

23 (b) STRENGTHENING DOMESTIC CAPABILITY.—Sec-
24 tion 107 of the Defense Production Act of 1950 (50
25 U.S.C. 4517) is amended—

1 (1) in subsection (a), by inserting “(including
2 medical materials)” after “materials”; and

3 (2) in subsection (b)(1), by inserting “(includ-
4 ing medical materials such as drugs, devices, and bi-
5 ological products to diagnose, cure, mitigate, treat,
6 or prevent disease that are essential to national de-
7 fense)” after “essential materials”.

8 (c) STRATEGY ON SECURING SUPPLY CHAINS FOR
9 MEDICAL MATERIALS.—Title I of the Defense Production
10 Act of 1950 (50 U.S.C. 4511 et seq.) is amended by add-
11 ing at the end the following:

12 **“SEC. 109. STRATEGY ON SECURING SUPPLY CHAINS FOR**
13 **MEDICAL MATERIALS.**

14 “(a) IN GENERAL.—Not later than 180 days after
15 the date of the enactment of this section, the President,
16 in consultation with the Secretary of Health and Human
17 Services, the Secretary of Commerce, the Secretary of
18 Homeland Security, and the Secretary of Defense, shall
19 transmit a strategy to the appropriate Members of Con-
20 gress that includes the following:

21 “(1) A detailed plan to use the authorities
22 under this title and title III, or any other provision
23 of law, to ensure the supply of medical materials (in-
24 cluding drugs, devices, and biological products (as
25 that term is defined in section 351 of the Public

1 Health Service Act (42 U.S.C. 262)) to diagnose,
2 cure, mitigate, treat, or prevent disease) essential to
3 national defense, to the extent necessary for the pur-
4 poses of this Act.

5 “(2) An analysis of vulnerabilities to existing
6 supply chains for such medical materials, and rec-
7 ommendations to address the vulnerabilities.

8 “(3) Measures to be undertaken by the Presi-
9 dent to diversify such supply chains, as appropriate
10 and as required for national defense.

11 “(4) A discussion of—

12 “(A) any significant effects resulting from
13 the plan and measures described in this sub-
14 section on the production, cost, or distribution
15 of biological products (as that term is defined
16 in section 351 of the Public Health Service Act
17 (42 U.S.C. 262)) or any other devices or drugs
18 (as defined under the Federal Food, Drug, and
19 Cosmetic Act (21 U.S.C. 301 et seq.));

20 “(B) a timeline to ensure that essential
21 components of the supply chain for medical ma-
22 terials are not under the exclusive control of a
23 foreign government in a manner that the Presi-
24 dent determines could threaten the national de-
25 fense of the United States; and

1 “(C) efforts to mitigate any risks resulting
2 from the plan and measures described in this
3 subsection to United States competitiveness,
4 scientific leadership, and innovative capacity,
5 including efforts to cooperate and proactively
6 engage with United States allies.

7 “(b) PROGRESS REPORT.—Following submission of
8 the strategy under subsection (a), the President shall sub-
9 mit to the appropriate Members of Congress an annual
10 progress report until September 30, 2025, evaluating the
11 implementation of the strategy, and may include updates
12 to the strategy as appropriate. The strategy and progress
13 reports shall be submitted in unclassified form but may
14 contain a classified annex.

15 “(c) APPROPRIATE MEMBERS OF CONGRESS.—The
16 term ‘appropriate Members of Congress’ means the
17 Speaker, majority leader, and minority leader of the
18 House of Representatives, the majority leader and minor-
19 ity leader of the Senate, the Chairman and Ranking Mem-
20 ber of the Committee on Financial Services of the House
21 of Representatives, and the Chairman and Ranking Mem-
22 ber of the Committee on Banking, Housing, and Urban
23 Affairs of the Senate.”.

1 **SEC. 60903. INVESTMENT IN SUPPLY CHAIN SECURITY.**

2 (a) IN GENERAL.—Section 303 of the Defense Pro-
3 duction Act of 1950 (50 U.S.C. 4533) is amended by add-
4 ing at the end the following:

5 “(h) INVESTMENT IN SUPPLY CHAIN SECURITY.—

6 “(1) IN GENERAL.—In addition to other au-
7 thorities in this title, the President may make avail-
8 able to an eligible entity described in paragraph (2)
9 payments to increase the security of supply chains
10 and supply chain activities, if the President certifies
11 to Congress not less than 30 days before making
12 such a payment that the payment is critical to meet
13 national defense requirements of the United States.

14 “(2) ELIGIBLE ENTITY.—An eligible entity de-
15 scribed in this paragraph is an entity that—

16 “(A) is organized under the laws of the
17 United States or any jurisdiction within the
18 United States; and

19 “(B) produces—

20 “(i) one or more critical components;

21 “(ii) critical technology; or

22 “(iii) one or more products or raw
23 materials for the security of supply chains
24 or supply chain activities.

25 “(3) DEFINITIONS.—In this subsection, the
26 terms ‘supply chain’ and ‘supply chain activities’

1 have the meanings given those terms by the Presi-
2 dent by regulation.”.

3 (b) REGULATIONS.—

4 (1) IN GENERAL.—Not later than 90 days after
5 the date of the enactment of this Act, the President
6 shall prescribe regulations setting forth definitions
7 for the terms “supply chain” and “supply chain ac-
8 tivities” for the purposes of section 303(h) of the
9 Defense Production Act of 1950 (50 U.S.C.
10 4533(h)), as added by subsection (a).

11 (2) SCOPE OF DEFINITIONS.—The definitions
12 required by paragraph (1)—

13 (A) shall encompass—

14 (i) the organization, people, activities,
15 information, and resources involved in the
16 delivery and operation of a product or serv-
17 ice used by the Government; or

18 (ii) critical infrastructure as defined
19 in Presidential Policy Directive 21 (Feb-
20 ruary 12, 2013; relating to critical infra-
21 structure security and resilience); and

22 (B) may include variations as determined
23 necessary and appropriate by the President for
24 purposes of national defense.

1 **TITLE X—COVID-19 EMERGENCY**
2 **MEDICAL SUPPLIES EN-**
3 **HANCEMENT**

4 **SEC. 61001. SHORT TITLE.**

5 This title may be cited as the “COVID-19 Emer-
6 gency Medical Supplies Enhancement Act of 2022”.

7 **SEC. 61002. DETERMINATION ON EMERGENCY SUPPLIES**
8 **AND OTHER PUBLIC HEALTH EMERGENCIES.**

9 (a) COVID-19 PANDEMIC RESPONSE.—For the pur-
10 poses of section 101 of the Defense Production Act of
11 1950 (50 U.S.C. 4511), the following materials may be
12 deemed by the President, during the COVID-19 emer-
13 gency period, to be scarce and critical materials essential
14 to the national defense and otherwise meet the require-
15 ments of section 101(b) of such Act, and funds available
16 to implement such Act may be used for the purchase, pro-
17 duction (including the construction, repair, and retro-
18 fitting of government-owned facilities as necessary), or
19 distribution of such materials:

20 (1) In vitro diagnostic products (as defined in
21 section 809.3(a) of title 21, Code of Federal Regula-
22 tions) for the detection of SARS-CoV-2 or the diag-
23 nosis of the virus that causes COVID-19, and the
24 reagents and other materials necessary for pro-
25 ducing, conducting, or administering such products,

1 and the machinery, equipment, laboratory capacity,
2 or other technology necessary to produce such prod-
3 ucts.

4 (2) Face masks and personal protective equip-
5 ment, including non-surgical isolation gowns, face
6 shields, nitrile gloves, N-95 filtering facepiece res-
7 pirators, and any other masks or equipment (includ-
8 ing durable medical equipment) determined by the
9 Secretary of Health and Human Services to be need-
10 ed to respond to the COVID-19 pandemic, and the
11 materials, machinery, additional manufacturing lines
12 or facilities, or other technology necessary to
13 produce such equipment.

14 (3) Drugs and devices (as those terms are de-
15 fined in the Federal Food, Drug, and Cosmetic Act
16 (21 U.S.C. 301 et seq.)) and biological products (as
17 that term is defined by section 351 of the Public
18 Health Service Act (42 U.S.C. 262)) that are ap-
19 proved, cleared, licensed, or authorized under either
20 of such Acts for use in treating or preventing
21 COVID-19 and symptoms related to COVID-19,
22 and any materials, manufacturing machinery, addi-
23 tional manufacturing or fill-finish lines or facilities,
24 technology, or equipment (including durable medical
25 equipment) necessary to produce or use such drugs,

1 biological products, or devices (including syringes,
2 vials, or other supplies or equipment related to deliv-
3 ery, distribution, or administration).

4 (4) Any other medical equipment or supplies
5 determined by the Secretary of Health and Human
6 Services or the Secretary of Homeland Security to
7 be scarce and critical materials essential to the na-
8 tional defense for purposes of section 101 of the De-
9 fense Production Act of 1950 (50 U.S.C. 4511).

10 (b) FUTURE PREPAREDNESS FOR HEALTH EMER-
11 GENCIES.—Section 702(14) of the Defense Production
12 Act of 1950 is amended by striking “and critical infra-
13 structure protection and restoration” and inserting “, crit-
14 ical infrastructure protection and restoration, and public
15 health emergency preparedness and response activities”.

16 **SEC. 61003. EXERCISE OF TITLE I AUTHORITIES IN RELA-**
17 **TION TO CONTRACTS BY STATE, LOCAL, OR**
18 **TRIBAL GOVERNMENTS.**

19 (a) IN GENERAL.—In exercising authorities under
20 title I of the Defense Production Act of 1950 (50 U.S.C.
21 4511 et seq.) during the COVID–19 emergency period, the
22 President (and any officer or employee of the United
23 States to which authorities under such title I have been
24 delegated)—

1 (1) may exercise the prioritization or allocation
2 authority provided in such title I to exclude any ma-
3 terials described in section 61002 ordered by a
4 State, local, or Tribal government that are scheduled
5 to be delivered within 15 days of the time at
6 which—

7 (A) the purchase order or contract by the
8 Federal Government for such materials is
9 made; or

10 (B) the materials are otherwise allocated
11 by the Federal Government under the authori-
12 ties contained in such Act; and

13 (2) shall, within 24 hours of any exercise of the
14 prioritization or allocation authority provided in such
15 title I—

16 (A) to the extent practicable notify any
17 State, local, or Tribal government if the Presi-
18 dent determines that the exercise of such au-
19 thorities would delay the receipt of such mate-
20 rials ordered by such government; and

21 (B) take such steps as may be necessary,
22 and as authorized by law, to ensure that such
23 materials ordered by such government are deliv-
24 ered in the shortest possible period, consistent

1 with the purposes of the Defense Production
2 Act of 1950.

3 (b) UPDATE TO FEDERAL REGULATIONS.—

4 (1) DPAS.—Not later than 30 days after the
5 date of enactment of this Act, the Defense Property
6 Accountability System regulations (15 C.F.R. part
7 700) shall be revised to reflect the requirements of
8 subsection (a).

9 (2) FAR.—Not later than 30 days after the re-
10 visions required by paragraph (1) are made, the
11 Federal Acquisition Regulation shall be revised to
12 reflect the requirements of subsection (a), consistent
13 with the revisions made pursuant to paragraph (1).

14 **SEC. 61004. ENGAGEMENT WITH THE PRIVATE SECTOR.**

15 (a) OUTREACH REPRESENTATIVE.—Consistent with
16 the authorities in title VII of the Defense Production Act
17 of 1950 (50 U.S.C. 4551 et seq.), the Administrator of
18 the Federal Emergency Management Agency, in consulta-
19 tion with the Secretary of Health and Human Services,
20 may designate or appoint, pursuant to section 703 of such
21 Act (50 U.S.C. 4553), an individual to be known as the
22 “Outreach Representative” for the COVID–19 emergency
23 period. Such individual shall—

1 necessary to produce or use the materials described in sec-
2 tion 61002 to the extent necessary for the national defense
3 during the COVID–19 emergency period.

4 **SEC. 61006. ENHANCED REPORTING DURING COVID-19**
5 **EMERGENCY.**

6 (a) REPORT ON EXERCISING AUTHORITIES UNDER
7 THE DEFENSE PRODUCTION ACT OF 1950.—

8 (1) IN GENERAL.—Not later than 90 days after
9 the date of the enactment of this Act, the President,
10 in consultation with the Administrator of the Fed-
11 eral Emergency Management Agency, the Secretary
12 of Defense, and the Secretary of Health and Human
13 Services, shall submit to the appropriate congres-
14 sional committees a report on the exercise of au-
15 thorities under titles I, III, and VII of the Defense
16 Production Act of 1950 (50 U.S.C. 4501 et seq.)
17 prior to the date of such report for the purposes of
18 the COVID–19 response.

19 (2) CONTENTS.—The report required under
20 subsection (a) and the update required under para-
21 graph (3) shall include the following:

22 (A) IN GENERAL.—With respect to each
23 exercise of such authority—

24 (i) an explanation of the purpose of
25 the applicable contract, purchase order, or

1 other exercise of authority (including an
2 allocation of materials, services, and facili-
3 ties under section 101(a)(2) of the Defense
4 Production Act of 1950 (50 U.S.C.
5 4511(a)(2));

6 (ii) the cost of such exercise of au-
7 thority; and

8 (iii) if applicable—

9 (I) the amount of goods that
10 were purchased or allocated;

11 (II) an identification of the entity
12 awarded a contract or purchase order
13 or that was the subject of the exercise
14 of authority; and

15 (III) an identification of any en-
16 tity that had shipments delayed by the
17 exercise of any authority under the
18 Defense Production Act of 1950 (50
19 U.S.C. 4501 et seq.).

20 (B) CONSULTATIONS.—A description of
21 any consultations conducted with relevant
22 stakeholders on the needs addressed by the ex-
23 ercise of the authorities described in paragraph
24 (1).

1 (3) UPDATE.—The President shall provide an
2 additional briefing to the appropriate congressional
3 committees on the matters described under para-
4 graph (2) no later than four months after the sub-
5 mission of the report.

6 (b) EXERCISE OF LOAN AUTHORITIES.—

7 (1) IN GENERAL.—Any loan made pursuant to
8 section 302 or 303 of the Defense Production Act of
9 1950, carried out by the United States International
10 Development Finance Corporation pursuant to the
11 authorities delegated by Executive Order No. 13922,
12 shall be subject to the notification requirements con-
13 tained in section 1446 of the BUILD Act of 2018
14 (22 U.S.C. 9656).

15 (2) APPROPRIATE CONGRESSIONAL COMMIT-
16 TEES.—For purposes of the notifications required by
17 paragraph (1) the term “appropriate congressional
18 committees”, as used section 1446 of the BUILD
19 Act of 2018, shall be deemed to include the Com-
20 mittee on Financial Services of the House of Rep-
21 resentatives and the Committee on Banking, Hous-
22 ing and Urban Development of the Senate.

23 (c) SUNSET.—The requirements of this section shall
24 terminate on the end of the COVID–19 emergency period.

1 **SEC. 61007. REPORT ON ACTIVITIES INVOLVING SMALL**
2 **BUSINESS.**

3 The report required by section 304(f)(3) of the De-
4 fense Production Act of 1950 (50 U.S.C. 4534(f)(3)) for
5 fiscal years 2023 and 2024 shall include the percentage
6 of contracts awarded using funds to carry out the Defense
7 Production Act of 1950 for each of the fiscal years 2023
8 and 2024, respectively, to small business concerns (as de-
9 fined under section 702 of such Act).

10 **SEC. 61008. DEFINITIONS.**

11 In this title:

12 (1) **APPROPRIATE CONGRESSIONAL COMMIT-**
13 **TEES.**—The term “appropriate congressional com-
14 mittees” means the Committees on Appropriations,
15 Armed Services, Energy and Commerce, Financial
16 Services, and Homeland Security of the House of
17 Representatives and the Committees on Appropria-
18 tions, Armed Services, Banking, Housing, and
19 Urban Affairs, Health, Education, Labor, and Pen-
20 sions, Homeland Security and Governmental Affairs,
21 and Veterans’ Affairs of the Senate.

22 (2) **COVID–19 EMERGENCY PERIOD.**—The
23 term “COVID–19 emergency period” means the pe-
24 riod beginning on the date of enactment of this Act
25 and ending on the earlier of—

1 (A) the end of the incident period for the
2 emergency declared on March 13, 2020, by the
3 President under section 501 of the Robert T.
4 Stafford Disaster Relief and Emergency Assist-
5 ance Act (42 U.S.C. 4121 et seq.) relating to
6 the Coronavirus Disease 2019 (COVID-19)
7 pandemic; or

8 (B) September 30, 2025.

9 (3) RELEVANT STAKEHOLDER.—The term “rel-
10 evant stakeholder” means—

11 (A) representative private sector entities;

12 (B) representatives of the nonprofit sector;

13 (C) representatives of primary and sec-
14 ondary school systems; and

15 (D) representatives of organizations rep-
16 resenting workers, including health workers,
17 manufacturers, teachers, other public sector
18 employees, and service sector workers.

19 (4) STATE.—The term “State” means each of
20 the several States, the District of Columbia, the
21 Commonwealth of Puerto Rico, and any territory or
22 possession of the United States.

1 **DIVISION H—COMMITTEE ON**
2 **NATURAL RESOURCES**
3 **TITLE I—ILLEGAL FISHING AND**
4 **FORCED LABOR PREVENTION**

5 **SEC. 70101. DEFINITIONS.**

6 In this title, the following definitions apply:

7 (1) **OPPRESSIVE CHILD LABOR.**—The term “op-
8 pressive child labor” has the meaning given such
9 term in section 3 of the Fair Labor Standards Act
10 of 1938 (29 U.S.C. 203).

11 (2) **FORCED LABOR.**—The term “forced labor”
12 means any labor or service provided for or obtained
13 by any means described in section 1589(a) of title
14 18, United States Code.

15 (3) **HUMAN TRAFFICKING.**—The term “human
16 trafficking” has the meaning given the term “severe
17 forms of trafficking in persons” in section 103 of
18 the Trafficking Victims Protection Act of 2000 (22
19 U.S.C. 7102).

20 (4) **ILLEGAL, UNREPORTED, OR UNREGULATED**
21 **FISHING.**—The term “illegal, unreported, or unregu-
22 lated fishing” has the meaning given such term in
23 section 609 of the High Seas Driftnet Fishing Mora-
24 torium Protection Act (16 U.S.C. 1826j(e)), as
25 amended by this title.

1 (5) SEAFOOD.—The term “seafood” means fish
2 meal, and all marine animal and plant life meant for
3 consumption as food other than marine mammals
4 and birds, including fish, shellfish, shellfish prod-
5 ucts, and processed fish.

6 (6) SEAFOOD IMPORT MONITORING PROGRAM.—
7 The term “Seafood Import Monitoring Program”
8 means the Seafood Traceability Program established
9 under section 300.324 of title 50, Code of Federal
10 Regulations.

11 (7) SECRETARY.—The term “Secretary” means
12 the Secretary of Commerce, acting through the Ad-
13 ministrator of the National Oceanic and Atmos-
14 pheric Administration.

15 **SEC. 70102. AUTHORIZATION OF APPROPRIATIONS.**

16 There is authorized to be appropriated to the Sec-
17 retary \$20,000,000 for each of fiscal years 2022 through
18 2027 to carry out subtitle A, subtitle B, and the amend-
19 ments made by those subtitles.

20 **Subtitle A—Combating Human**
21 **Trafficking Through Seafood**
22 **Import Monitoring**

23 **SEC. 70111. DEFINITIONS.**

24 In this subtitle, the following additional definitions
25 apply:

1 (1) COMPETENT AUTHORITY.—The term “com-
2 petent authority” means government and any third
3 party that meets certain governing criteria. Such cri-
4 teria shall be established by regulation, after out-
5 reach to key environmental and labor stakeholders.

6 (2) UNIQUE VESSEL IDENTIFIER.—The term
7 “unique vessel identifier” means a unique number
8 that stays with a vessel for the duration of the ves-
9 sel’s life, regardless of changes in flag, ownership,
10 name, or other changes to the vessel.

11 **SEC. 70112. EXPANSION OF SEAFOOD IMPORT MONITORING**
12 **PROGRAM TO ALL SPECIES.**

13 The Secretary shall, not later than 2 years after the
14 date of enactment of this Act, expand the Seafood Import
15 Monitoring Program to apply to all seafood and seafood
16 products imported into the United States.

17 **SEC. 70113. ENHANCEMENT OF SEAFOOD IMPORT MONI-**
18 **TORING PROGRAM AUTOMATED COMMER-**
19 **CIAL ENVIRONMENT MESSAGE SET.**

20 The Secretary, in coordination with the Commis-
21 sioner of U.S. Customs and Border Protection, shall, not
22 later than 6 months after the date of enactment of this
23 Act, develop a strategy to improve the quality and
24 verifiability of already collected Seafood Import Moni-
25 toring Program Message Set data elements in the Auto-

1 mated Commercial Environment system that prioritizes
2 the use of enumerated data types, such as checkboxes,
3 dropdown menus, or radio buttons, and any additional ele-
4 ments the Agency finds necessary, among other options,
5 rather than open text fields, for—

6 (1) authorization to fish;

7 (2) unique vessel identifier (if available);

8 (3) catch document identifier;

9 (4) location of wild-capture harvest and landing
10 or aquaculture location;

11 (5) type of fishing gear used to harvest the fish;

12 (6) name of farm or aquaculture facility, if ap-
13 plicable; and

14 (7) location of aquaculture facility, if applicable.

15 **SEC. 70114. ADDITIONAL DATA REQUIREMENTS FOR SEA-**
16 **FOOD IMPORT MONITORING PROGRAM DATA**
17 **COLLECTION.**

18 (a) IN GENERAL.—Not later than 1 year after date
19 of enactment of this Act, the Secretary shall revise section
20 300.324 of title 50, Code of Federal Regulations, to—

21 (1) require at the time of entry for imported
22 seafood and seafood products—

23 (A) location of catch or cultivation, includ-
24 ing—

1 (i) geographic location at a resolution
2 of not less than 1 degree latitude by 1 de-
3 gree longitude;

4 (ii) the country code of the Inter-
5 national Organization for Standardization
6 if the catch was within the exclusive eco-
7 nomic zone or territorial waters of a coun-
8 try;

9 (iii) if appropriate, the regional fish-
10 eries management organization or organi-
11 zations having jurisdiction over the catch,
12 if it occurs within the jurisdiction of any
13 regional fisheries management organiza-
14 tion; and

15 (iv) the Food and Agriculture Organi-
16 zation major fishing area codes;

17 (B) electronic reports of chain-of-custody
18 records that identify, including with unique ves-
19 sel identifiers when applicable, each custodian
20 of the seafood, including transshippers, proc-
21 essors, storage facilities, and distributors and
22 the physical address of such facilities;

23 (C) maritime mobile service identity num-
24 ber of harvesting and transshipment vessels;
25 and

1 (D) beneficial owner of each harvesting
2 and transshipment vessel or aquaculture facil-
3 ity, when applicable;

4 (2) require all importers submitting seafood im-
5 port data to require prior notification and submis-
6 sion of seafood import data at least 72 hours and no
7 more than 15 days prior to entry; and

8 (3) require verification and certification of har-
9 vest information by competent authorities at all
10 major transfer points in the supply chain, including
11 harvest, landing, processing, and transshipment at
12 the time of entry.

13 (b) FORCED LABOR.—The Secretary, working in con-
14 sultation with the Secretary of Homeland Security, the
15 Secretary of Labor, and the Secretary of State, shall, not
16 later than 1 year after the date of enactment of this Act,
17 complete a regulatory process to establish additional key
18 data elements for the Seafood Import Monitoring Pro-
19 gram, that collect information about labor conditions in
20 the harvest, transshipment, and processing of imported
21 fish and fish products.

22 (c) INTERNATIONAL FISHERIES TRADE PERMIT.—
23 Not later than 1 year after the date of enactment of this
24 Act, the Secretary shall—

1 (1) publish and maintain on the website of the
2 National Marine Fisheries Service a list of all cur-
3 rent International Fisheries Trade Permit holders,
4 including the name of the permit holder and expira-
5 tion date of the permit;

6 (2) begin to revoke, modify, or deny issuance of
7 an International Fisheries Trade Permit with re-
8 spect to a permit holder or applicant that has vio-
9 lated any requirement of section 300.322, 300.323,
10 300.324, or 300.325 of title 50, Code of Federal
11 Regulations; and

12 (3) require an International Fisheries Trade
13 Permit for importers.

14 **SEC. 70115. IMPORT AUDITS.**

15 (a) **AUDIT PROCEDURES.**—The Secretary shall, not
16 later than 1 year after the date of enactment of this Act,
17 implement procedures to audit information and supporting
18 records of sufficient numbers of imports of seafood and
19 seafood products subject to the Seafood Import Moni-
20 toring Program to support statistically robust conclusions
21 that the samples audited are representative of all seafood
22 imports with respect to a given year.

23 (b) **ANNUAL REVISION.**—In developing the proce-
24 dures required in subsection (a), the Secretary shall, not
25 less frequently than once each year, revise such procedures

1 to prioritize for audit those imports originating from coun-
2 tries—

3 (1) identified pursuant to sections 609(b) or
4 610(a) of the High Seas Driftnet Fishing Morato-
5 rium Protection Act (16 U.S.C. 1826j(b) or
6 1826k(a)) that have not yet received a subsequent
7 positive certification pursuant to sections 609(d) or
8 610(e) of such Act, respectively;

9 (2) identified by an appropriate regional fishery
10 management organization as being the flag state or
11 landing location of vessels identified by other coun-
12 tries or regional fisheries management organizations
13 as engaging in illegal, unreported, or unregulated
14 fishing;

15 (3) identified as having human trafficking, in-
16 cluding forced labor, in any part of the seafood sup-
17 ply chain, including on vessels flagged in such coun-
18 try and including feed for cultured production, in
19 the most recent Trafficking in Persons Report
20 issued by the Department of State in accordance
21 with the Trafficking Victims Protection Act of 2000
22 (22 U.S.C. 7101 et seq.);

23 (4) identified as producing goods that contain
24 seafood using forced labor or oppressive child labor
25 in the most recent List of Goods Produced by Child

1 Labor or Forced Labor in accordance with the Traf-
2 ficking Victims Protection Act (22 U.S.C. 7101 et
3 seq.); and

4 (5) identified as at risk for human trafficking,
5 including forced labor, in their seafood catching and
6 processing industries by the report required in sec-
7 tion 3563 of the National Defense Authorization Act
8 for Fiscal Year 2020 (Public Law 116–92).

9 **SEC. 70116. AVAILABILITY OF FISHERIES INFORMATION.**

10 (a) IN GENERAL.—Section 402(b)(1) of the Magnu-
11 son-Stevens Fishery Conservation and Management Act
12 (16 U.S.C. 1881a(b)(1)) is amended by striking “or” after
13 the semicolon at the end of subparagraph (G), by striking
14 the period at the end of subparagraph (H) and inserting
15 “; or”, and by adding at the end the following:

16 “(I) to Federal agencies responsible for
17 screening of imported seafood and for the pur-
18 pose of carrying out the duties under or with
19 respect to—

20 “(i) the Seafood Import Monitoring
21 Program;

22 “(ii) the Antarctic Marine Living Re-
23 sources Program;

24 “(iii) the Tuna Tracking and
25 Verification Program;

1 “(iv) the Atlantic Highly Migratory
2 Species International Trade Program;

3 “(v) the List of Goods Produced by
4 Child Labor or Forced Labor in accord-
5 ance with the Trafficking Victims Protec-
6 tion Act of 2000 (22 U.S.C. 7101 et seq.);

7 “(vi) the Trafficking in Persons Re-
8 port required by section 110 of the Traf-
9 ficking Victims Protection Act of 2000 (22
10 U.S.C. 7107);

11 “(vii) enforcement activities and regu-
12 lations authorized under section 307 of the
13 Tariff Act of 1930 (19 U.S.C. 1307); and

14 “(viii) the taking and related acts in
15 commercial fishing operations under sec-
16 tion 216.24 of title 50, Code of Federal
17 Regulations;

18 “(J) to Federal, State and local agencies
19 for the purposes of verification and enforcement
20 of title II of this Act; or

21 “(K) information that pertains to catch
22 documentation and legality of catch, if disclo-
23 sure of that information would not materially
24 damage the value of catch or business.”.

1 (b) IMPLEMENTATION DEADLINE.—Not later than 1
2 year after the date of enactment of this Act, the Secretary
3 shall issue regulations implementing the amendments in
4 this section.

5 **SEC. 70117. AUTHORITY TO HOLD FISH PRODUCTS.**

6 Section 311(b)(1) of the Magnuson-Stevens Fishery
7 Conservation and Management Act (16 U.S.C. 1861(b))
8 is amended—

9 (1) in subparagraph (B), striking “; and” and
10 inserting a semicolon;

11 (2) in subparagraph (C), striking the period
12 and inserting “; and”; and

13 (3) by adding at the end the following a new
14 subparagraph:

15 “(D) detain, for a period of up to 14 days, any
16 shipment of fish or fish product imported into, land-
17 ed on, introduced into, exported from, or transported
18 within the jurisdiction of the United States, or, if
19 such fish or fish product is deemed to be perishable,
20 sell and retain the proceeds therefrom for a period
21 of up to 21 days.”.

22 **SEC. 70118. REPORT ON SEAFOOD IMPORT MONITORING.**

23 (a) REPORT TO CONGRESS AND PUBLIC AVAIL-
24 ABILITY OF REPORTS.—The Secretary shall, not later
25 than 120 days after the end of each fiscal year, submit

1 to the Committee on Natural Resources of the House of
2 Representatives and the Committee on Commerce,
3 Science, and Transportation of the Senate a report that
4 summarizes the National Marine Fisheries Service's ef-
5 forts to prevent the importation of seafood harvested
6 through illegal, unreported, or unregulated fishing, par-
7 ticularly with respect to seafood harvested, produced,
8 processed, or manufactured by forced labor. Each such re-
9 port shall be made publicly available on the public website
10 of the National Oceanic and Atmospheric Administration.

11 (b) CONTENTS.—Each report submitted under sub-
12 section (a) shall include—

13 (1) the volume and value of seafood species sub-
14 ject to the Seafood Import Monitoring Program, de-
15 scribed in section 300.324 of title 50, Code of Fed-
16 eral Regulations, reported by 10-digit Harmonized
17 Tariff Schedule of the United States codes, imported
18 during the previous fiscal year;

19 (2) the enforcement activities and priorities of
20 the National Marine Fisheries Service with respect
21 to implementing the requirements under the Seafood
22 Import Monitoring Program;

23 (3) the percentage of import shipments subject
24 to this program selected for inspection or the infor-
25 mation or records supporting entry selected for

1 audit, as described in section 300.324(d) of title 50,
2 Code of Federal Regulations;

3 (4) the number and types of instances of non-
4 compliance with the requirements of the Seafood Im-
5 port Monitoring Program;

6 (5) the number and types of instances of viola-
7 tions of State or Federal law discovered through the
8 Seafood Import Monitoring Program;

9 (6) the seafood species with respect to which
10 violations described in paragraphs (4) and (5) were
11 most prevalent;

12 (7) the location of catch or harvest with respect
13 to which violations described in paragraphs (4) and
14 (5) were most prevalent; and

15 (8) such other information as the Secretary
16 considers appropriate with respect to monitoring and
17 enforcing compliance with the Seafood Import Moni-
18 toring Program.

19 **SEC. 70119. AUTHORIZATION OF APPROPRIATIONS.**

20 There is authorized to be appropriated to the Com-
21 missioner of U.S. Customs and Border Protection to carry
22 out enforcement actions pursuant to section 307 of the
23 Tariff Act \$20,000,000 for each of fiscal years 2022
24 through 2026.

1 **Subtitle B—Strengthening Inter-**
2 **national Fisheries Management**
3 **to Combat Human Trafficking**

4 **SEC. 70121. DENIAL OF PORT PRIVILEGES.**

5 Section 101(a)(2) of the High Seas Driftnet Fish-
6 eries Enforcement Act (16 U.S.C. 1826a(a)(2)) is amend-
7 ed to read as follows:

8 “(2) DENIAL OF PORT PRIVILEGES.—The Sec-
9 retary of Homeland Security shall, in accordance
10 with international law—

11 “(A) withhold or revoke the clearance re-
12 quired by section 60105 of title 46, United
13 States Code, for any large-scale driftnet fishing
14 vessels of a nation that receives a negative cer-
15 tification under sections 609(d) or 610(c) of the
16 High Seas Driftnet Fishing Moratorium Protec-
17 tion Act (16 U.S.C. 1826j(d) or 1826k(c)), or
18 fishing vessels of a nation that has been listed
19 pursuant to sections 609(b) or 610(a) of such
20 Act (16 U.S.C. 1826j(b) or 1826k(a)) in 2 or
21 more consecutive reports as described under
22 section 607 of such Act (16 U.S.C. 1826h),
23 until a positive certification has been received;

24 “(B) withhold or revoke the clearance re-
25 quired by section 60105 of title 46, United

1 States Code, for fishing vessels of a nation that
2 has been listed pursuant to sections 609(b) or
3 610(a) of such Act (16 U.S.C. 1826j(b) or
4 1826k(a)) in 2 or more consecutive reports as
5 described under section 607 of such Act (16
6 U.S.C. 1826h); and

7 “(C) deny entry of that vessel to any place
8 in the United States and to the navigable
9 waters of the United States, except for the pur-
10 poses of inspecting such vessel, conducting an
11 investigation, or taking other appropriate en-
12 forcement action.”.

13 **SEC. 70122. IDENTIFICATION AND CERTIFICATION CRI-**
14 **TERIA.**

15 (a) DENIAL OF PORT PRIVILEGES.—Section 609 of
16 the High Seas Driftnet Fishing Moratorium Protection
17 Act (16 U.S.C. 1826j) is amended—

18 (1) by striking subsections (a) and (b); and

19 (2) by inserting before subsection (c) the fol-
20 lowing:

21 “(a) COOPERATION WITH GOVERNMENTS.—

22 “(1) INFORMATION COLLECTION.—The Sec-
23 retary, in consultation with the Secretary of State,
24 shall engage with each flag, coastal, port, and mar-
25 ket nation that exports seafood to the United States

1 to collect information sufficient to evaluate the effective-
2 tiveness of such nation's management of fisheries
3 and control systems to prevent illegal, unreported, or
4 unregulated fishing.

5 “(2) RECOMMENDATIONS.—The Secretary, in
6 consultation with the Secretary of State, shall provide
7 recommendations to such nations to resolve
8 compliance gaps and improve fisheries management
9 and control systems in order to assist such nations
10 in preventing illegal, unreported, or unregulated
11 fishing.

12 “(b) IDENTIFICATION AND WARNING.—

13 “(1) FOR ACTIONS OF A FISHING VESSEL.—The
14 Secretary shall identify and list in the report re-
15 quired by section 607 a nation if a fishing vessel of
16 such nation is engaged or has, in the preceding 3
17 years, engaged in illegal, unreported, or unregulated
18 fishing. The Secretary shall include all nations that
19 qualify for identification, regardless of whether the
20 Secretary has engaged in the process described in
21 this subsection or under subsection (a). Any of the
22 following relevant information is sufficient to form
23 the basis of an identification:

24 “(A) Compliance reports.

1 “(B) Data or information from inter-
2 national fishery management organizations, a
3 foreign government, or an organization or
4 stakeholder group.

5 “(C) Information submitted by the public.

6 “(D) Information submitted to the Sec-
7 retary under section 402(a) of the Magnuson-
8 Stevens Fishery Conservation and Management
9 Act (16 U.S.C. 1881a(a)).

10 “(E) Import data collected by the Sec-
11 retary pursuant to part 300.324 of title 50,
12 Code of Federal Regulations.

13 “(F) Information compiled from a Federal
14 agency, including, the Coast Guard and agen-
15 cies within the Interagency Working Group on
16 Illegal, Unreported, and Unregulated Fishing.

17 “(2) FOR ACTIONS OF A NATION.—The Sec-
18 retary shall identify, and list in such report, a nation
19 engaging in or endorsing illegal, unreported, or un-
20 regulated fishing, including the following:

21 “(A) Any nation that is failing, or has
22 failed in the preceding 3-year period, to cooper-
23 ate with the United States Government in pro-
24 viding information about such nation’s fisheries

1 management and control systems described in
2 subsection (a).

3 “(B) Any nation that is violating, or has
4 violated at any point during the preceding 3
5 years, conservation and management measures,
6 including catch and other data reporting obliga-
7 tions and requirements, required under an
8 international fishery management agreement.

9 “(C) Any nation that is failing, or has
10 failed in the preceding 3-year period, to effec-
11 tively address or regulate illegal, unreported, or
12 unregulated fishing within its fleets in any
13 areas where its vessels are fishing.

14 “(D) Any nation that fails to discharge du-
15 ties incumbent upon it under international law
16 or practice as a flag, port, or coastal state to
17 take action to prevent, deter, and eliminate ille-
18 gal, unreported, or unregulated fishing.

19 “(E) Any nation that provides subsidies
20 that—

21 “(i) contribute to illegal, unreported,
22 or unregulated fishing or increased capac-
23 ity and overfishing at proportionally higher
24 rates than subsidies that promote fishery
25 resource conservation and management; or

1 “(ii) that otherwise undermine the ef-
2 fectiveness of any international fishery con-
3 servation program.

4 “(F) Any nation that has been identified
5 as having human trafficking, including forced
6 labor, in any part of the seafood supply chain
7 in the most recent Trafficking in Persons Re-
8 port issued by the Department of State in ac-
9 cordance with the Trafficking Victims Protec-
10 tion Act of 2000 (22 U.S.C. 7101 et seq.).

11 “(G) Any nation that has been identified
12 as producing seafood-related goods through
13 forced labor or oppressive child labor in the
14 most recent List of Goods Produced by Child
15 Labor or Forced Labor in accordance with the
16 Trafficking Victims Protection Act of 2000 (22
17 U.S.C. 7101 et seq.).

18 “(H) Any nation that has been identified
19 as at risk for human trafficking, including
20 forced labor, in their seafood catching and proc-
21 essing industries in the report required in sec-
22 tion 3563 of the National Defense Authoriza-
23 tion Act for Fiscal Year 2020 (Public Law
24 116–92).

1 “(3) WARNING.—The Secretary shall issue a
2 warning to each nation identified under this sub-
3 section.

4 “(4) TIMING.—The Secretary shall make an
5 identification under paragraph (1) or (2) at any
6 time that the Secretary has sufficient information to
7 make such identification.”.

8 (b) ILLEGAL, UNREPORTED, OR UNREGULATED CER-
9 TIFICATION DETERMINATION.—Section 609(d) of the
10 High Seas Driftnet Fishing Moratorium Protection Act
11 (16 U.S.C. 1826j(d)) is amended to read as follows:

12 “(d) IUU CERTIFICATION PROCEDURE.—

13 “(1) CERTIFICATION DETERMINATION.—

14 “(A) IN GENERAL.—The Secretary shall
15 establish a procedure for certifying whether a
16 nation identified under subsection (b) has taken
17 appropriate corrective action with respect to the
18 offending activities identified under section (b)
19 that has led to measurable improvements in the
20 reduction of illegal, unreported, or unregulated
21 fishing and any underlying regulatory, policy, or
22 practice failings or gaps that may have contrib-
23 uted to such identification.

24 “(B) OPPORTUNITY FOR COMMENT.—The
25 Secretary shall ensure that the procedure estab-

1 lished under subparagraph (A) provides for no-
2 tice and an opportunity for comment by the
3 identified nation.

4 “(C) DETERMINATION.—The Secretary
5 shall, consistent with such procedure, determine
6 and certify to the Congress not later than 90
7 days after the date on which the Secretary
8 issues a final rule containing the procedure, and
9 biennially thereafter—

10 “(i) whether the government of each
11 nation identified under subsection (b) has
12 provided documentary evidence that such
13 nation has taken corrective action with re-
14 spect to such identification; or

15 “(ii) whether the relevant inter-
16 national fishery management organization
17 has taken corrective action that has ended
18 the illegal, unreported, or unregulated fish-
19 ing activity by vessels of that nation.

20 “(2) ALTERNATIVE PROCEDURE.—The Sec-
21 retary may establish a procedure to authorize, on a
22 shipment-by-shipment, shipper-by-shipper, or other
23 basis the importation of fish or fish products from
24 a fishery within a nation issued a negative certifi-
25 cation under paragraph (1) if the Secretary—

1 “(A) determines the fishery has not en-
2 gaged in illegal, unreported, or unregulated
3 fishing under an international fishery manage-
4 ment agreement to which the United States is
5 a party;

6 “(B) determines the fishery is not identi-
7 fied by an international fishery management or-
8 ganization as participating in illegal, unre-
9 ported, or unregulated fishing activities; and

10 “(C) ensures that any such seafood or sea-
11 food products authorized for entry under this
12 section are imported consistent with the report-
13 ing and the recordkeeping requirements of Sea-
14 food Import Monitoring Program described in
15 part 300.324(b) of title 50, Code of Federal
16 Regulations (or any successor regulation).

17 “(3) EFFECT OF CERTIFICATION DETERMINA-
18 TION.—

19 “(A) EFFECT OF NEGATIVE CERTIFI-
20 CATION.—The provisions of subsections (a) and
21 (b)(3) and (4) of section 101 of the High Seas
22 Driftnet Fisheries Enforcement Act (16 U.S.C.
23 1826a(a) and (b)(3) and (4)) shall apply to any
24 nation that, after being identified and warned
25 under subsection (b) has failed to take the ap-

1 appropriate corrective actions for which the Sec-
2 retary has issued a negative certification under
3 this subsection.

4 “(B) EFFECT OF POSITIVE CERTIFI-
5 CATION.—The provisions of subsections (a) and
6 (b)(3) and (4) of section 101 of the High Seas
7 Driftnet Fisheries Enforcement Act (16 U.S.C.
8 1826a(a) and (b)(3) and (4)) shall not apply to
9 any nation identified under subsection (a) for
10 which the Secretary has issued a positive cer-
11 tification under this subsection.”.

12 **SEC. 70123. ILLEGAL, UNREPORTED, OR UNREGULATED**
13 **FISHING DEFINED.**

14 (a) DEFINITION OF ILLEGAL, UNREPORTED, OR UN-
15 REGULATED FISHING IN THE HIGH SEAS DRIFTNET
16 FISHING MORATORIUM PROTECTION ACT.—Section
17 609(e) of the High Seas Driftnet Fishing Moratorium
18 Protection Act (16 U.S.C. 1826j(e)) is amended to read
19 as follows:

20 “(e) ILLEGAL, UNREPORTED, OR UNREGULATED
21 FISHING DEFINED.—In this title, the term ‘illegal, unre-
22 ported, or unregulated fishing’ means any activity set out
23 in paragraph 3 of the 2001 Food and Agriculture Organi-
24 zation International Plan of Action to Prevent, Deter and
25 Eliminate Illegal, Unreported, and Unregulated Fishing.”.

1 (b) DEFINITION OF ILLEGAL, UNREPORTED, OR UN-
2 REGULATED FISHING IN THE MAGNUSON-STEVENS FISH-
3 ERY CONSERVATION AND MANAGEMENT ACT.—Section 3
4 of the Magnuson-Stevens Fishery Conservation and Man-
5 agement Act (16 U.S.C. 1802) is amended by adding at
6 the end the following:

7 “(51) The term ‘illegal, unreported, or unregu-
8 lated fishing’ means any activity set out in para-
9 graph 3 of the 2001 Food and Agriculture Organiza-
10 tion International Plan of Action to Prevent, Deter
11 and Eliminate Illegal, Unreported, and Unregulated
12 Fishing.”.

13 (c) RULE OF CONSTRUCTION.—In construing the
14 term “illegal, unreported, or unregulated fishing” for pur-
15 poses of the High Seas Driftnet Fishing Moratorium Pro-
16 tection Act and the Magnuson-Stevens Fishery Conserva-
17 tion and Management Act, the Secretary shall follow inter-
18 nationally recognized labor rights stated in the Inter-
19 national Labour Organization Declaration on Funda-
20 mental Principles and Rights at Work and its Follow-Up
21 (1998), including—

22 (1) freedom of association and the effective rec-
23 ognition of the right to collective bargaining;

24 (2) the elimination of all forms of forced or
25 compulsory labor;

1 (3) the effective abolition of oppressive child
2 labor, a prohibition on the worst forms of child
3 labor, and other labor protections for children and
4 minors;

5 (4) the elimination of discrimination in respect
6 of employment and occupation; and

7 (5) acceptable conditions of work with respect
8 to minimum wages, hours of work, and occupational
9 safety and health.

10 **SEC. 70124. EQUIVALENT CONSERVATION MEASURES.**

11 (a) IDENTIFICATION.—Section 610(a) of the High
12 Seas Driftnet Fishing Moratorium Protection Act (16
13 U.S.C. 1826k(a)) is amended to read as follows:

14 “(a) IDENTIFICATION.—

15 “(1) IN GENERAL.—The Secretary shall iden-
16 tify and list in the report under section 607—

17 “(A) a nation if—

18 “(i) any fishing vessel of that country
19 is engaged, or has been engaged during the
20 preceding 3 years in fishing activities or
21 practices on the high seas or within the ex-
22 clusive economic zone of another country,
23 that have resulted in bycatch of a pro-
24 tected living marine resource; and

1 “(ii) the vessel’s flag state has not
2 adopted, implemented, and enforced a reg-
3 ulatory program governing such fishing de-
4 signed to end or reduce such bycatch that
5 is comparable to the regulatory program of
6 the United States; and

7 “(B) a nation if—

8 “(i) any fishing vessel of that country
9 is engaged, or has engaged during the pre-
10 ceding 3 years, in fishing activities on the
11 high seas or within the exclusive economic
12 zone of another country that target or inci-
13 dentally catch sharks; and

14 “(ii) the vessel’s flag state has not
15 adopted, implemented, and enforced a reg-
16 ulatory program to provide for the con-
17 servation of sharks, including measures to
18 prohibit removal of any of the fins of a
19 shark, including the tail, before landing the
20 shark in port that is comparable to that of
21 the United States.

22 “(2) TIMING.—The Secretary shall make an
23 identification under paragraph (1) at any time that
24 the Secretary has sufficient information to make
25 such identification.”.

1 (b) CONSULTATION AND NEGOTIATION.—Section
2 610(b) of the High Seas Driftnet Fishing Moratorium
3 Protection Act (16 U.S.C. 1826k(b)) is amended to read
4 as follows:

5 “(b) CONSULTATION AND NEGOTIATION.—The Sec-
6 retary of State, acting in conjunction with the Secretary,
7 shall—

8 “(1) notify, as soon as possible, the President,
9 nations that have been identified under subsection
10 (a), and other nations whose vessels engage in fish-
11 ing activities or practices described in subsection (a),
12 about the provisions of this Act;

13 “(2) initiate discussions as soon as possible
14 with all foreign countries which are engaged in, or
15 a fishing vessel of which has engaged in, fishing ac-
16 tivities described in subsection (a), for the purpose
17 of entering into bilateral and multilateral treaties
18 with such countries to protect such species and to
19 address any underlying failings or gaps that may
20 have contributed to identification under this Act;

21 “(3) seek agreements calling for international
22 restrictions on fishing activities or practices de-
23 scribed in subsection (a) through the United Na-
24 tions, the Food and Agriculture Organization’s Com-

1 mittee on Fisheries, and appropriate international
2 fishery management bodies; and

3 “(4) initiate the amendment of any existing
4 international treaty for the protection and conserva-
5 tion of such species to which the United States is a
6 party in order to make such treaty consistent with
7 the purposes and policies of this section.”.

8 (c) CONSERVATION CERTIFICATION PROCEDURE.—
9 Section 610(c) of the High Seas Driftnet Fishing Morato-
10 rium Protection Act (16 U.S.C. 1826k(c)) is amended—

11 (1) in subparagraph (A) of paragraph (1), by
12 striking “, taking into account different conditions,”;

13 (2) in paragraph (2), by inserting “the public
14 and” after “comment by”;

15 (3) in paragraph (4)—

16 (A) in subparagraph (A), by striking “,
17 taking into account different conditions”;

18 (B) in subparagraph (B), by striking the
19 period at the end and inserting “; and”; and

20 (C) by adding at the end the following:

21 “(C) ensures that any such fish or fish
22 products authorized for entry under this section
23 are imported consistent with the reporting and
24 the recordkeeping requirements of the Seafood
25 Import Monitoring Program established by part

1 300.324(b) of title 50, Code of Federal Regula-
2 tions (or any successor regulations).”; and
3 (4) in paragraph (5), by striking “(except to
4 the extent that such provisions apply to sport fishing
5 equipment or fish or fish products not caught by the
6 vessels engaged in illegal, unreported, or unregulated
7 fishing)”.

8 **SEC. 70125. REGULATIONS.**

9 Not later than 1 year after the date of enactment
10 of this Act, the Secretary shall promulgate regulations im-
11 plementing this title.

12 **Subtitle C—Maritime Awareness**

13 **SEC. 70131. AUTOMATIC IDENTIFICATION SYSTEM RE-**
14 **QUIREMENTS.**

15 (a) REQUIREMENT FOR FISHING VESSELS TO HAVE
16 AUTOMATIC IDENTIFICATION SYSTEMS.—Section
17 70114(a)(1) of title 46, United States Code, is amended—

18 (1) by striking “, while operating on the navi-
19 gable waters of the United States,”

20 (2) by redesignating subparagraphs (A) through
21 (D) as clauses (i) through (iv);

22 (3) by inserting before clauses (i) through (iv),
23 as redesignated by paragraph (2), the following:

24 “(A) While operating on the navigable waters of
25 the United States.”; and

1 (4) by adding at the end the following:

2 “(B) A vessel of the United States that is more
3 than 65 feet overall in length, while engaged in fish-
4 ing, fish processing, or fish tendering operations on
5 the navigable waters of the United States or in the
6 United States exclusive economic zone.”.

7 (b) **AUTHORIZATION OF APPROPRIATIONS.**—There is
8 authorized to be appropriated to the Secretary of Com-
9 merce for fiscal year 2022, \$5,000,000, to remain avail-
10 able until expended, to purchase automatic identification
11 systems for fishing vessels, fish processing vessels, fish
12 tender vessels more than 50 feet in length, as described
13 under this title and the amendments made by this title.

14 **TITLE II—DRIFTNET MOD-**
15 **ERNIZATION AND BYCATCH**
16 **REDUCTION**

17 **SEC. 70201. DEFINITION.**

18 Section 3(25) of the Magnuson-Stevens Fishery Con-
19 servation and Management Act (16 U.S.C. 1802(25)) is
20 amended by inserting “, or with a mesh size of 14 inches
21 or greater,” after “more”.

22 **SEC. 70202. FINDINGS AND POLICY.**

23 (a) **FINDINGS.**—Section 206(b) of the Magnuson-Ste-
24 vens Fishery Conservation and Management Act (16
25 U.S.C. 1826(b)) is amended—

1 (1) in paragraph (6), by striking “and” at the
2 end;

3 (2) in paragraph (7), by striking the period and
4 inserting “; and”; and

5 (3) by adding at the end the following:

6 “(8) within the exclusive economic zone, large-
7 scale driftnet fishing that deploys nets with large
8 mesh sizes causes significant entanglement and mor-
9 tality of living marine resources, including myriad
10 protected species, despite limitations on the lengths
11 of such nets.”.

12 (b) POLICY.—Section 206(c) of the Magnuson-Ste-
13 vens Fishery Conservation and Management Act (16
14 U.S.C. 1826(c)) is amended—

15 (1) in paragraph (2), by striking “and” at the
16 end;

17 (2) in paragraph (3), by striking the period and
18 inserting “; and”; and

19 (3) by adding at the end the following:

20 “(4) prioritize the phase-out of large-scale
21 driftnet fishing in the exclusive economic zone and
22 promote the development and adoption of alternative
23 fishing methods and gear types that minimize the in-
24 cidental catch of living marine resources.”.

1 **SEC. 70203. TRANSITION PROGRAM.**

2 Section 206 of the Magnuson-Stevens Fishery Con-
3 servation and Management Act (16 U.S.C. 1826) is
4 amended by adding at the end the following:

5 “(i) FISHING GEAR TRANSITION PROGRAM.—

6 “(1) IN GENERAL.—During the 5-year period
7 beginning on the date of enactment of the America
8 COMPETES Act of 2022, the Secretary shall con-
9 duct a transition program to facilitate the phase-out
10 of large-scale driftnet fishing and adoption of alter-
11 native fishing practices that minimize the incidental
12 catch of living marine resources, and shall award
13 grants to eligible permit holders who participate in
14 the program.

15 “(2) PERMISSIBLE USES.—Any permit holder
16 receiving a grant under paragraph (1) may use such
17 funds only for the purpose of covering—

18 “(A) any fee originally associated with a
19 permit authorizing participation in a large-scale
20 driftnet fishery, if such permit is surrendered
21 for permanent revocation, and such permit
22 holder relinquishes any claim associated with
23 the permit;

24 “(B) a forfeiture of fishing gear associated
25 with a permit described in subparagraph (A); or

1 “(C) the purchase of alternative gear with
2 minimal incidental catch of living marine re-
3 sources, if the fishery participant is authorized
4 to continue fishing using such alternative gears.

5 “(3) CERTIFICATION.—The Secretary shall cer-
6 tify that, with respect to each participant in the pro-
7 gram under this subsection, any permit authorizing
8 participation in a large-scale driftnet fishery has
9 been permanently revoked and that no new permits
10 will be issued to authorize such fishing.”.

11 **SEC. 70204. EXCEPTION.**

12 Section 307(1)(M) of the Magnuson-Stevens Fishery
13 Conservation and Management Act (16 U.S.C.
14 1857(1)(M)) is amended by inserting before the semicolon
15 the following: “, unless such large-scale driftnet fishing—

16 “(i) deploys, within the exclusive eco-
17 nomic zone, a net with a total length of
18 less than 2½ kilometers and a mesh size
19 of 14 inches or greater; and

20 “(ii) is conducted not later than 5
21 years after the date of enactment of the
22 America COMPETES Act of 2022.”.

23 **SEC. 70205. FEES.**

24 (a) IN GENERAL.—The North Pacific Fishery Man-
25 agement Council may recommend, and the Secretary of

1 Commerce may approve, regulations necessary for the col-
2 lection of fees from charter vessel operators who guide rec-
3 reational anglers who harvest Pacific halibut in Inter-
4 national Pacific Halibut Commission regulatory areas 2C
5 and 3A as those terms are defined in part 300 of title
6 50, Code of Federal Regulations (or any successor regula-
7 tions).

8 (b) USE OF FEES.—Any fees collected under this sec-
9 tion shall be available for the purposes of—

10 (1) financing administrative costs of the Rec-
11 reational Quota Entity program;

12 (2) the purchase of halibut quota shares in
13 International Pacific Halibut Commission regulatory
14 areas 2C and 3A by the recreational quota entity
15 authorized in part 679 of title 50, Code of Federal
16 Regulations (or any successor regulations);

17 (3) halibut conservation and research; and

18 (4) promotion of the halibut resource by the
19 recreational quota entity authorized in part 679 of
20 title 50, Code of Federal Regulations (or any suc-
21 cessor regulations).

22 (c) LIMITATION ON COLLECTION AND AVAIL-
23 ABILITY.—Fees shall be collected and available pursuant
24 to this section only to the extent and in such amounts

1 as provided in advance in appropriations Acts, subject to
2 subsection (d).

3 (d) FEE COLLECTED DURING START-UP PERIOD.—
4 Notwithstanding subsection (c), fees may be collected
5 through the date of enactment of an Act making appro-
6 priations for the activities authorized under this title
7 through September 30, 2022, and shall be available for
8 obligation and remain available until expended.

9 **TITLE III—MARINE MAMMAL**
10 **RESEARCH AND RESPONSE**

11 **SEC. 70301. DATA COLLECTION AND DISSEMINATION.**

12 Section 402 of the Marine Mammal Protection Act
13 of 1972 (16 U.S.C. 1421a) is amended—

14 (1) in subsection (b)—

15 (A) in paragraph (1)(A), by inserting “or
16 entangled” after “stranded”;

17 (B) in paragraph (3)—

18 (i) by striking “strandings,” and in-
19 serting “strandings and entanglements, in-
20 cluding unusual mortality events,”;

21 (ii) by inserting “stranding” before
22 “region”; and

23 (iii) by striking “marine mammals;
24 and” and inserting “marine mammals and
25 entangled marine mammals to allow com-

1 parison of the causes of illness and deaths
2 in stranded marine mammals and entan-
3 gled marine mammals with physical, chem-
4 ical, and biological environmental param-
5 eters; and”;

6 (C) in paragraph (4), by striking “anal-
7 yses, that would allow comparison of the causes
8 of illness and deaths in stranded marine mam-
9 mals with physical, chemical, and biological en-
10 vironmental parameters.” and inserting “anal-
11 yses.”; and

12 (2) by striking subsection (c) and inserting the
13 following:

14 “(c) INFORMATION REQUIRED TO BE SUBMITTED
15 AND COLLECTED.—

16 “(1) IN GENERAL.—After each response to a
17 stranding or entanglement event, the Secretary shall
18 collect (including from any staff of the National
19 Oceanic and Atmospheric Administration that re-
20 spond directly to such an event), and shall require
21 each stranding network participant who responds to
22 that stranding or entanglement to submit to the Ad-
23 ministrator of the National Oceanic and Atmos-
24 pheric Administration—

1 “(A) data on the stranding event, includ-
2 ing NOAA Form 89–864 (OMB #0648–0178),
3 NOAA Form 89–878 (OMB #0648–0178),
4 similar successor forms, or similar information
5 in an appropriate format required by the
6 United States Fish and Wildlife Service for spe-
7 cies under its management authority;

8 “(B) supplemental data to the data de-
9 scribed in subparagraph (A), which may in-
10 clude, as available, relevant information
11 about—

12 “(i) weather and tide conditions;

13 “(ii) offshore human, predator, or
14 prey activity;

15 “(iii) morphometrics;

16 “(iv) behavior;

17 “(v) health assessments;

18 “(vi) life history samples; or

19 “(vii) stomach and intestinal contents;

20 and

21 “(C) data and results from laboratory
22 analysis of tissues, which may include, as ap-
23 propriate and available—

24 “(i) histopathology;

25 “(ii) toxicology;

1 “(iii) microbiology;

2 “(iv) virology; or

3 “(v) parasitology.

4 “(2) TIMELINE.—A stranding network partici-
5 pant shall submit—

6 “(A) the data described in paragraph
7 (1)(A) not later than 30 days after the date of
8 a response to a stranding or entanglement
9 event;

10 “(B) the compiled data described in para-
11 graph (1)(B) not later than 30 days after the
12 date on which the data is available to the
13 stranding network participant; and

14 “(C) the compiled data described in para-
15 graph (1)(C) not later than 30 days after the
16 date on which the laboratory analysis has been
17 reported to the stranding network participant.

18 “(d) AVAILABILITY OF DATA.—

19 “(1) IN GENERAL.—The Secretary shall develop
20 a program to make information, including any data
21 and metadata collected under paragraphs (3) or (4)
22 of subsection (b) or subsection (c), available to re-
23 searchers, stranding network participants, and the
24 public—

1 “(A) to improve real-time coordination of
2 response to stranding and entanglement events
3 across geographic areas and between stranding
4 coordinators;

5 “(B) to identify and quickly disseminate
6 information on potential public health risks;

7 “(C) to facilitate integrated interdiscipli-
8 nary research;

9 “(D) to facilitate peer-reviewed publica-
10 tions;

11 “(E) to archive regional data into 1 na-
12 tional database for future analyses; and

13 “(F) for education and outreach activities.

14 “(2) ACCESS TO DATA.—The Secretary shall
15 ensure that any data or metadata collected under
16 subsection (c)—

17 “(A) by staff of the National Oceanic and
18 Atmospheric Administration that responded di-
19 rectly to a stranding or entanglement event is
20 available to the public through the Health MAP
21 and the Observation System not later than 30
22 days after that data or metadata is collected by,
23 available to, or reported to the Secretary; and

24 “(B) by a stranding network participant
25 that responded directly to a stranding or entan-

1 gment event is made available to the public
2 through the Health MAP and the Observation
3 System not later than 2 years after the date on
4 which that data is submitted to the Secretary
5 under subsection (c).

6 “(3) EXCEPTIONS.—

7 “(A) WRITTEN RELEASE.—Notwithstand-
8 ing paragraph (2)(B), the Secretary may make
9 data described in paragraph (2)(B) publicly
10 available earlier than 2 years after the date on
11 which that data is submitted to the Secretary
12 under subsection (c), if the stranding network
13 participant has completed a written release
14 stating that such data may be made publicly
15 available.

16 “(B) LAW ENFORCEMENT.—Notwithstand-
17 ing paragraph (2), the Secretary may withhold
18 data for a longer period than the period of time
19 described in paragraph (2) in the event of a law
20 enforcement action or legal action that may be
21 related to that data.

22 “(e) STANDARDS.—The Secretary, in consultation
23 with the marine mammal stranding community, shall—

24 “(1) make publicly available guidance about
25 uniform data and metadata standards to ensure that

1 data collected in accordance with this section can be
2 archived in a form that is readily accessible and un-
3 derstandable to the public through the Health MAP
4 and the Observation System; and

5 “(2) periodically update such guidance.

6 “(f) MANAGEMENT POLICY.—In collaboration with
7 the regional stranding networks, the Secretary shall de-
8 velop, and periodically update, a data management and
9 public outreach collaboration policy for stranding or en-
10 tanglement events.”.

11 **SEC. 70302. STRANDING OR ENTANGLEMENT RESPONSE**
12 **AGREEMENTS.**

13 (a) IN GENERAL.—Section 403 of the Marine Mam-
14 mal Protection Act of 1972 (16 U.S.C. 1421b) is amend-
15 ed—

16 (1) in the section heading by inserting “**OR EN-**
17 **TANGLEMENT**” before “**RESPONSE**”;

18 (2) in subsection (a), by striking the period at
19 the end and inserting “or entanglement.”; and

20 (3) in subsection (b)—

21 (A) in paragraph (1), by striking “and”
22 after the semicolon;

23 (B) in paragraph (2), by striking the pe-
24 riod at the end and inserting “; and”; and

25 (C) by adding at the end the following:

1 “(3) include a description of the data manage-
2 ment and public outreach policy established under
3 section 402(f).”.

4 (b) **TABLE OF CONTENTS AMENDMENT.**—The table
5 of contents in the first section of the Marine Mammal Pro-
6 tection Act of 1972 (Public Law 92–522; 86 Stat. 1027)
7 is amended by striking the item related to section 403 and
8 inserting the following:

“Sec. 403. Stranding or entanglement response agreements.”.

9 **SEC. 70303. UNUSUAL MORTALITY EVENT ACTIVITY FUND-**
10 **ING.**

11 Section 405 the Marine Mammal Protection Act of
12 1972 (16 U.S.C. 1421d) is amended—

13 (1) by striking subsection (b) and inserting the
14 following:

15 “(b) **USES.**—Amounts in the Fund—

16 “(1) shall be available only for use by the Sec-
17 retary, in consultation with the Secretary of the In-
18 terior, and dispersed among claimants based on
19 budgets approved by the Secretary prior to expendi-
20 ture—

21 “(A) to make advance, partial, or progress
22 payments under contracts or other funding
23 mechanisms for property, supplies, salaries,
24 services, and travel costs incurred in acting in
25 accordance with the contingency plan issued

1 under section 404(b) or under the direction of
2 an Onsite Coordinator for an unusual mortality
3 event designated under section
4 404(a)(2)(B)(iii);

5 “(B) for reimbursing any stranding net-
6 work participant for costs incurred in the collec-
7 tion, preparation, analysis, and transportation
8 of marine mammal tissues and samples col-
9 lected with respect to an unusual mortality
10 event for the Tissue Bank; and

11 “(C) for the care and maintenance of a
12 marine mammal seized under section
13 104(c)(2)(D); and

14 “(2) shall remain available until expended.”;

15 and

16 (2) in subsection (c)—

17 (A) in paragraph (2), by striking “and” at
18 the end;

19 (B) in paragraph (3), by striking the pe-
20 riod at the end and inserting a semicolon; and

21 (C) by adding at the end the following:

22 “(4) not more than \$250,000 per year, as de-
23 termined by the Secretary of Commerce, from sums
24 collected as fines, penalties, or forfeitures of prop-

1 erty by the Secretary of Commerce for violations of
2 any provision of this Act; and

3 “(5) sums received from emergency declaration
4 grants for marine mammal conservation.”.

5 **SEC. 70304. LIABILITY.**

6 Section 406(a) of the Marine Mammal Protection Act
7 of 1972 (16 U.S.C. 1421e(a)) is amended, in the matter
8 preceding paragraph (1)—

9 (1) by inserting “or entanglement” after “to a
10 stranding”; and

11 (2) by striking “government” and inserting
12 “Government”.

13 **SEC. 70305. NATIONAL MARINE MAMMAL TISSUE BANK AND**
14 **TISSUE ANALYSIS.**

15 Section 407 of the Marine Mammal Protection Act
16 of 1972 (16 U.S.C. 1421f) is amended—

17 (1) in subsection (c)(2)(A), by striking “the
18 health of marine mammals and” and inserting “ma-
19 rine mammal health and mortality and the health
20 of”; and

21 (2) in subsection (d), in the matter preceding
22 paragraph (1), by inserting “public” before “ac-
23 cess”.

1 **SEC. 70306. MARINE MAMMAL RESCUE AND RESPONSE**
2 **GRANT PROGRAM AND RAPID RESPONSE**
3 **FUND.**

4 (a) IN GENERAL.—Section 408 of the Marine Mam-
5 mal Protection Act of 1972 (16 U.S.C. 1421f–1) is
6 amended—

7 (1) by striking the section heading and insert-
8 ing “**MARINE MAMMAL RESCUE AND RESPONSE**
9 **GRANT PROGRAM AND RAPID RESPONSE**
10 **FUND**”;

11 (2) by striking subsections (a) through (d) and
12 subsections (f) through (h);

13 (3) by redesignating subsection (e) as sub-
14 section (f); and

15 (4) by inserting before subsection (f), as redес-
16 ignated by paragraph (3), the following:

17 “(a) DEFINITIONS.—In this section:

18 “(1) EMERGENCY ASSISTANCE.—

19 “(A) IN GENERAL.—The term ‘emergency
20 assistance’ means—

21 “(i) financial assistance provided to
22 respond to, or that results from, a strand-
23 ing event or entanglement event that—

24 “(I) causes an immediate in-
25 crease in the cost of a response, recov-
26 ery, or rehabilitation that is greater

1 than the usual cost of a response, re-
2 covery, or rehabilitation;

3 “(II) is cyclical or endemic; or

4 “(III) involves a marine mammal
5 that is out of the normal range for
6 that marine mammal; or

7 “(ii) financial assistance provided to
8 respond to, or that results from, a strand-
9 ing event or an entanglement event that
10 the appropriate Secretary or State or Trib-
11 al government considers to be an emer-
12 gency.

13 “(B) EXCLUSIONS.—The term ‘emergency
14 assistance’ does not include financial assistance
15 to respond to an unusual mortality event.

16 “(2) SECRETARY.—The term ‘Secretary’ has
17 the meaning given that term in section 3(12)(A).

18 “(3) STRANDING REGION.—The term ‘strand-
19 ing region’ means a geographic region designated by
20 the applicable Secretary for purposes of administra-
21 tion of this title.

22 “(b) JOHN H. PRESCOTT MARINE MAMMAL RESCUE
23 AND RESPONSE GRANT PROGRAM.—

24 “(1) IN GENERAL.—Subject to the availability
25 of appropriations or other funding, the applicable

1 Secretary shall carry out a grant program, to be
2 known as the ‘John H. Prescott Marine Mammal
3 Rescue and Response Grant Program’ (referred to
4 in this section as the ‘grant program’), to award
5 grants to eligible stranding network participants or
6 stranding network collaborators, as described in this
7 subsection.

8 “(2) PURPOSES.—The purposes of the grant
9 program are to provide for—

10 “(A) the recovery, care, or treatment of
11 sick, injured, or entangled marine mammals;

12 “(B) responses to marine mammal strand-
13 ing events that require emergency assistance;

14 “(C) the collection of data and samples
15 from living or dead stranded marine mammals
16 for scientific research or assessments regarding
17 marine mammal health;

18 “(D) facility operating costs that are di-
19 rectly related to activities described in subpara-
20 graph (A), (B), or (C); and

21 “(E) development of stranding network ca-
22 pacity, including training for emergency re-
23 sponse, where facilities do not exist or are
24 sparse.

1 “(3) CONTRACT, GRANT, AND COOPERATIVE
2 AGREEMENT AUTHORITY.—

3 “(A) IN GENERAL.—The applicable Sec-
4 retary may enter into a contract, grant, or co-
5 operative agreement with any eligible stranding
6 network participant or stranding network col-
7 laborator, as the Secretary determines to be ap-
8 propriate, for the purposes described in para-
9 graph (2).

10 “(B) EMERGENCY AWARD FLEXIBILITY.—
11 Following a request for emergency award flexi-
12 bility and analysis of the merits of and neces-
13 sity for such a request, the applicable Secretary
14 may—

15 “(i) amend any contract, grant, or co-
16 operative agreement entered into under
17 this paragraph, including provisions con-
18 cerning the period of performance; or

19 “(ii) waive the requirements under
20 subsection (f) for grant applications sub-
21 mitted during the provision of emergency
22 assistance.

23 “(4) EQUITABLE DISTRIBUTION OF FUNDS.—

24 “(A) IN GENERAL.—The Secretary shall
25 ensure, to the extent practicable, that funds

1 awarded under the grant program are distrib-
2 uted equitably among the stranding regions.

3 “(B) CONSIDERATIONS.—In determining
4 priorities among the stranding regions under
5 this paragraph, the Secretary may consider—

6 “(i) equitable distribution within the
7 stranding regions, including the subregions
8 (including the Gulf of Mexico);

9 “(ii) any episodic stranding, entangle-
10 ment, or mortality events, except for un-
11 usual mortality events, that occurred in
12 any stranding region in the preceding year;

13 “(iii) any data with respect to average
14 annual stranding, entanglements, and mor-
15 tality events per stranding region;

16 “(iv) the size of the marine mammal
17 populations inhabiting a stranding region;

18 “(v) the importance of the region’s
19 marine mammal populations to the well-
20 being of indigenous communities; and

21 “(vi) the conservation of protected,
22 depleted, threatened, or endangered marine
23 mammal species.

24 “(C) STRANDINGS.—For the purposes of
25 the grant program, priority is to be given to ap-

1 plications focusing on marine mammal
2 strandings.

3 “(5) APPLICATION.—To be eligible for a grant
4 under the grant program, a stranding network par-
5 ticipant shall—

6 “(A) submit an application in such form
7 and manner as the applicable Secretary pre-
8 scribes; and

9 “(B) be in compliance with the data re-
10 porting requirements under section 402(d) and
11 any applicable reporting requirements of the
12 United States Fish and Wildlife Service for spe-
13 cies under its management jurisdiction.

14 “(6) GRANT CRITERIA.—The Secretary shall, in
15 consultation with the Marine Mammal Commission,
16 a representative from each of the stranding regions,
17 and other individuals who represent public and pri-
18 vate organizations that are actively involved in res-
19 cue, rehabilitation, release, scientific research, ma-
20 rine conservation, and forensic science with respect
21 to stranded marine mammals under that Depart-
22 ment’s jurisdiction, develop criteria for awarding
23 grants under their respective grant programs.

24 “(7) LIMITATIONS.—

1 “(A) MAXIMUM GRANT AMOUNT.—No
2 grant made under the grant program for a sin-
3 gle award may exceed \$150,000 in any 12-
4 month period.

5 “(B) UNEXPENDED FUNDS.—Any funds
6 that have been awarded under the grant pro-
7 gram but that are unexpended at the end of the
8 12-month period described in subparagraph (A)
9 shall remain available until expended.

10 “(8) ADMINISTRATIVE COSTS AND EXPENSES.—
11 The Secretary’s administrative costs and expenses
12 related to reviewing and awarding grants under the
13 grant program, in any fiscal year may not exceed
14 the greater of—

15 “(A) 6 percent of the amounts made avail-
16 able each fiscal year to carry out the grant pro-
17 gram; or

18 “(B) \$80,000.

19 “(9) TRANSPARENCY.—The Secretary shall
20 make publicly available a list of grant proposals for
21 the upcoming fiscal year, funded grants, and re-
22 quests for grant flexibility under this subsection.

23 “(c) JOSEPH R. GERACI MARINE MAMMAL RESCUE
24 AND RAPID RESPONSE FUND.—

1 “(1) IN GENERAL.—There is established in the
2 Treasury of the United States an interest-bearing
3 fund, to be known as the ‘Joseph R. Geraci Marine
4 Mammal Rescue and Rapid Response Fund’ (re-
5 ferred to in this section as the ‘Rapid Response
6 Fund’).

7 “(2) USE OF FUNDS.—Amounts in the Rapid
8 Response Fund shall be available only for use by the
9 Secretary to provide emergency assistance.

10 “(d) AUTHORIZATION OF APPROPRIATIONS.—

11 “(1) IN GENERAL.—

12 “(A) AUTHORIZATION OF APPROPRIA-
13 TIONS.—There is authorized to be appropriated
14 to carry out the grant program \$7,000,000 for
15 each of fiscal years 2021 through 2026, to re-
16 main available until expended, of which for each
17 fiscal year—

18 “(i) \$6,000,000 shall be made avail-
19 able to the Secretary of Commerce; and

20 “(ii) \$1,000,000 shall be made avail-
21 able to the Secretary of the Interior.

22 “(B) DERIVATION OF FUNDS.—Funds to
23 carry out the activities under this section shall
24 be derived from amounts authorized to be ap-
25 propriated pursuant to subparagraph (A) that

1 are enacted after the date of enactment of the
2 America COMPETES Act of 2022.

3 “(2) JOSEPH R. GERACI MARINE MAMMAL RES-
4 CUE AND RAPID RESPONSE FUND.—There is author-
5 ized to be appropriated to the Rapid Response Fund
6 \$500,000 for each of fiscal years 2022 through
7 2026.

8 “(e) ACCEPTANCE OF DONATIONS.—For the pur-
9 poses of carrying out this section, the Secretary may so-
10 licit, accept, receive, hold, administer, and use gifts, de-
11 vises, and bequests without any further approval or ad-
12 ministrative action.”.

13 (b) TABLE OF CONTENTS AMENDMENT.—The table
14 of contents in the first section of the Marine Mammal Pro-
15 tection Act of 1972 (Public Law 92–522) is further
16 amended by striking the item related to section 408 and
17 inserting the following:

 “Sec. 408. Marine Mammal Rescue and Response Grant Program and Rapid
 Response Fund.”.

18 **SEC. 70307. HEALTH MAP.**

19 (a) IN GENERAL.—Title IV of the Marine Mammal
20 Protection Act of 1972 (16 U.S.C. 1421 et seq.) is amend-
21 ed by inserting after section 408 the following:

1 **“SEC. 408A. MARINE MAMMAL HEALTH MONITORING AND**
2 **ANALYSIS PLATFORM (HEALTH MAP).**

3 “(a) IN GENERAL.—Not later than 1 year after the
4 date of enactment of the America COMPETES Act of
5 2022, the Secretary, acting through the Administrator of
6 the National Oceanic and Atmospheric Administration, in
7 consultation with the Secretary of the Interior and the
8 Marine Mammal Commission, shall—

9 “(1) establish a marine mammal health moni-
10 toring and analysis platform (referred to in this Act
11 as the ‘Health MAP’);

12 “(2) incorporate the Health MAP into the Ob-
13 servation System; and

14 “(3) make the Health MAP—

15 “(A) publicly accessible through the web
16 portal of the Observation System; and

17 “(B) interoperable with other national data
18 systems or other data systems for management
19 or research purposes, as practicable.

20 “(b) PURPOSES.—The purposes of the Health MAP
21 are—

22 “(1) to promote—

23 “(A) interdisciplinary research among indi-
24 viduals with knowledge and experience in ma-
25 rine mammal science, marine mammal veteri-
26 nary and husbandry practices, medical science,

1 and oceanography, and with other marine sci-
2 entists;

3 “(B) timely and sustained dissemination
4 and availability of marine mammal health,
5 stranding, entanglement, and mortality data;

6 “(C) identification of spatial and temporal
7 patterns of marine mammal mortality, disease,
8 and stranding;

9 “(D) evaluation of marine mammal health
10 in terms of mortality, as well as sublethal ma-
11 rine mammal health impacts;

12 “(E) improved collaboration and fore-
13 casting of marine mammal and larger eco-
14 system health events;

15 “(F) rapid communication and dissemina-
16 tion of information regarding marine mammal
17 strandings that may have implications for
18 human health, such as those caused by harmful
19 algal blooms; and

20 “(G) increased accessibility of data in a
21 user friendly visual interface for public edu-
22 cation and outreach; and

23 “(2) to contribute to an ocean health index that
24 incorporates marine mammal health data.

25 “(c) REQUIREMENTS.—The Health MAP shall—

1 “(1) integrate in situ, remote, and other marine
2 mammal health, stranding, and mortality data, in-
3 cluding visualizations and metadata, collected by
4 marine mammal stranding networks, Federal, State,
5 local, and Tribal governments, private partners, and
6 academia; and

7 “(2) be designed—

8 “(A) to enhance data and information
9 availability, including data sharing among
10 stranding network participants, scientists, and
11 the public within and across stranding network
12 regions;

13 “(B) to facilitate data and information ac-
14 cess across scientific disciplines, scientists, and
15 managers;

16 “(C) to facilitate public access to national
17 and regional marine mammal health, stranding,
18 entanglement, and mortality data, including vis-
19 ualizations and metadata, through the national
20 and regional data portals of the Observation
21 System; and

22 “(D) in collaboration with, and with input
23 from, States and stranding network partici-
24 pants.

1 “(d) PROCEDURES AND GUIDELINES.—The Sec-
2 retary shall establish and implement policies, protocols,
3 and standards for—

4 “(1) reporting marine mammal health data col-
5 lected by stranding networks consistent with sub-
6 sections (c) and (d) of section 402;

7 “(2) promptly transmitting health data from
8 the stranding networks and other appropriate data
9 providers to the Health MAP;

10 “(3) disseminating and making publicly avail-
11 able data on marine mammal health, stranding, en-
12 tanglement, and mortality data in a timely and sus-
13 tained manner; and

14 “(4) integrating additional marine mammal
15 health, stranding, or other relevant data as the Sec-
16 retary determines appropriate.

17 “(e) CONSULTATION.—The Administrator of the Na-
18 tional Oceanic and Atmospheric Administration shall
19 maintain and update the Health MAP in consultation with
20 the Secretary of the Interior and the Marine Mammal
21 Commission.

22 “(f) CONTRIBUTIONS.—For purposes of carrying out
23 this section, the Secretary may solicit, accept, receive,
24 hold, administer, and use gifts, devises, and bequests with-
25 out any further approval or administrative action.”.

1 (b) TABLE OF CONTENTS AMENDMENT.—The table
2 of contents in the first section of the Marine Mammal Pro-
3 tection Act of 1972 (Public Law 92–522) is further
4 amended by inserting after the item related to section 408
5 the following:

“Sec. 408A. Marine Mammal Health Monitoring and Analysis Platform
(Health MAP).”.

6 **SEC. 70308. REPORTS TO CONGRESS.**

7 (a) IN GENERAL.—Title IV of the Marine Mammal
8 Protection Act of 1972 (16 U.S.C. 1421 et seq.) is further
9 amended by inserting after section 408A the following:

10 **“SEC. 408B. REPORTS TO CONGRESS.**

11 “(a) DEFINITION OF APPROPRIATE COMMITTEES OF
12 CONGRESS.—In this section, the term ‘appropriate com-
13 mittees of Congress’ means—

14 “(1) the Committee on Commerce, Science, and
15 Transportation of the Senate; and

16 “(2) the Committee on Natural Resources of
17 the House of Representatives.

18 “(b) HEALTH MAP STATUS REPORT.—

19 “(1) IN GENERAL.—Not later than 2 year after
20 the date of enactment of the America COMPETES
21 Act of 2022, the Administrator of the National Oce-
22 anic and Atmospheric Administration, in consulta-
23 tion with the Marine Mammal Commission, the Sec-
24 retary of the Interior, and the National Ocean Re-

1 search Leadership Council, shall submit to the ap-
2 propriate committees of Congress a report describing
3 the status of the Health MAP.

4 “(2) REQUIREMENTS.—The report under para-
5 graph (1) shall include—

6 “(A) a detailed evaluation of the data
7 made publicly available through the Health
8 MAP;

9 “(B) a detailed list of any gaps in data col-
10 lected pursuant to the Health MAP, a descrip-
11 tion of the reasons for those gaps, and rec-
12 ommended actions to close those gaps;

13 “(C) an analysis of the effectiveness of
14 using the website of the Observation System as
15 the platform to collect, organize, visualize, ar-
16 chive, and disseminate marine mammal strand-
17 ing and health data;

18 “(D) a list of publications, presentations,
19 or other relevant work product resulting from,
20 or produced in collaboration with, the Health
21 MAP;

22 “(E) a description of emerging marine
23 mammal health concerns and the applicability
24 of those concerns to human health;

1 “(F) an analysis of the feasibility of the
2 Observation System being used as an alert sys-
3 tem during stranding events, entanglement
4 events, and unusual mortality events for the
5 stranding network, Observation System part-
6 ners, Health MAP partners, Federal and State
7 agencies, and local and Tribal governments;

8 “(G) an evaluation of the use of Health
9 MAP data to predict broader ecosystem events
10 and changes that may impact marine mammal
11 or human health and specific examples of prov-
12 en or potential uses of Observation System data
13 for those purposes; and

14 “(H) recommendations for the Health
15 MAP with respect to—

16 “(i) filling any identified data gaps;

17 “(ii) standards that could be used to
18 improve data quality, accessibility, trans-
19 mission, interoperability, and sharing;

20 “(iii) any other strategies that would
21 contribute to the effectiveness and useful-
22 ness of the Health MAP; and

23 “(iv) the funding levels needed to
24 maintain and improve the Health MAP.

25 “(c) DATA GAP ANALYSIS.—

1 “(1) IN GENERAL.—Not later than 5 years
2 after the date on which the report required under
3 subsection (b)(1) is submitted, and every 10 years
4 thereafter, the Administrator of the National Oce-
5 anic and Atmospheric Administration, in consulta-
6 tion with the Marine Mammal Commission and the
7 Secretary of Commerce, shall—

8 “(A) make publicly available a report on
9 the data gap analysis described in paragraph
10 (2); and

11 “(B) provide a briefing to the appropriate
12 committees of Congress concerning that data
13 gap analysis.

14 “(2) REQUIREMENTS.—The data gap analysis
15 under paragraph (1) shall include—

16 “(A) an overview of existing participants
17 within a marine mammal stranding network;

18 “(B) an identification of coverage needs
19 and participant gaps within a network;

20 “(C) an identification of data and report-
21 ing gaps from members of a network; and

22 “(D) an analysis of how stranding and
23 health data are shared and made available to
24 scientists, academics, State, local, and Tribal
25 governments, and the public.

1 “(d) MARINE MAMMAL RESPONSE CAPABILITIES IN
2 THE ARCTIC.—

3 “(1) IN GENERAL.—Not later than 1 year after
4 the date of enactment of the America COMPETES
5 Act of 2022, the Administrator of the National Oce-
6 anic and Atmospheric Administration, the Director
7 of the United States Fish and Wildlife Service, and
8 the Director of the United States Geologic Survey,
9 in consultation with the Marine Mammal Commis-
10 sion and the Secretary of the Interior, shall—

11 “(A) make publicly available a report de-
12 scribing the response capabilities for sick and
13 injured marine mammals in the Arctic regions
14 of the United States; and

15 “(B) provide a briefing to the appropriate
16 committees of Congress on that report.

17 “(2) ARCTIC.—The term ‘Arctic’ has the mean-
18 ing given the term in section 112 of the Arctic Re-
19 search and Policy Act of 1984 (15 U.S.C. 4111).

20 “(3) REQUIREMENTS.—The report under para-
21 graph (1) shall include—

22 “(A) a description, developed in consulta-
23 tion with the Director of the United States Fish
24 and Wildlife Service, of all marine mammal
25 stranding agreements in place for the Arctic re-

1 gion of the United States, including species cov-
2 ered, response capabilities, facilities and equip-
3 ment, and data collection and analysis capabili-
4 ties;

5 “(B) a list of State and local government
6 agencies that have personnel trained to respond
7 to marine mammal strandings in the Arctic re-
8 gion of the United States;

9 “(C) an assessment of potential response
10 and data collection partners and sources of
11 local information and knowledge, including
12 Alaska Native people and villages;

13 “(D) an analysis of spatial and temporal
14 trends in marine mammal strandings and un-
15 usual mortality events that are correlated with
16 changing environmental conditions in the Arctic
17 region of the United States;

18 “(E) a description of training and other
19 resource needs to meet emerging response re-
20 quirements in the Arctic region of the United
21 States;

22 “(F) an analysis of oiled marine mammal
23 response and rehabilitation capabilities in the
24 Arctic region of the United States, including
25 personnel, equipment, facilities, training, and

1 husbandry capabilities, and an assessment of
2 factors that affect response and rehabilitation
3 success rates; and

4 “(G) recommendations to address future
5 stranding response needs for marine mammals
6 in the Arctic region of the United States.”.

7 (b) TABLE OF CONTENTS AMENDMENT.—The table
8 of contents in the first section of the Marine Mammal Pro-
9 tection Act of 1972 (Public Law 92–522) is further
10 amended by inserting after the item related to section
11 408A the following:

“Sec. 408B. Reports to Congress.”.

12 **SEC. 70309. AUTHORIZATION OF APPROPRIATIONS.**

13 Section 409 of the Marine Mammal Protection Act
14 of 1972 (16 U.S.C. 1421g) is amended—

15 (1) in paragraph (1), by striking “1993 and
16 1994;” and inserting “2022 through 2026;”;

17 (2) in paragraph (2), by striking “1993 and
18 1994;” and inserting “2022 through 2026;” and

19 (3) in paragraph (3), by striking “fiscal year
20 1993.” and inserting “for each of fiscal years 2022
21 through 2026.”.

22 **SEC. 70310. DEFINITIONS.**

23 Section 410 of the Marine Mammal Protection Act
24 of 1972 (16 U.S.C. 1421h) is amended—

1 (1) by redesignating paragraphs (1) through
2 (6) as paragraphs (2), (5), (6), (7), (8), and (9), re-
3 spectively;

4 (2) by inserting before paragraph (2) (as so re-
5 designated) the following:

6 “(1) The term ‘entangle’ or ‘entanglement’
7 means an event in the wild in which a living or dead
8 marine mammal has gear, rope, line, net, or other
9 material wrapped around or attached to the marine
10 mammal and is—

11 “(A) on lands under the jurisdiction of the
12 United States, including beaches and shorelines;
13 or

14 “(B) in waters under the jurisdiction of
15 the United States, including any navigable
16 waters.”;

17 (3) in paragraph (2) (as so redesignated) by
18 striking “The term” and inserting “Except as used
19 in section 408, the term”;

20 (4) by inserting after paragraph (2) (as so re-
21 designated) the following:

22 “(3) The term ‘Health MAP’ means the Marine
23 Mammal Health Monitoring and Analysis Platform
24 established under section 408A(a)(1).

1 “(4) The term ‘Observation System’ means the
2 National Integrated Coastal and Ocean Observation
3 System established under section 12304 of the Inte-
4 grated Coastal and Ocean Observation System Act
5 of 2009 (33 U.S.C. 3603).”.

6 **SEC. 70311. STUDY ON MARINE MAMMAL MORTALITY.**

7 (a) IN GENERAL.—Not later than 12 months after
8 the date of enactment of this Act, the Undersecretary of
9 Commerce for Oceans and Atmosphere shall, in consulta-
10 tion with the Secretary of the Interior and the Marine
11 Mammal Commission, conduct a study evaluating the con-
12 nections among marine heat waves, frequency and inten-
13 sity of harmful algal blooms, prey availability, and habitat
14 degradation, and the impacts of these conditions on ma-
15 rine mammal mortality.

16 (b) REPORT.—The Undersecretary of Commerce for
17 Oceans and Atmosphere, in consultation with the Sec-
18 retary of the Interior and the Marine Mammal Commis-
19 sion, shall prepare, post to a publicly available website,
20 and brief the appropriate committees of Congress on, a
21 report containing the results of the study described in sub-
22 section (a). The report shall identify priority research ac-
23 tivities, opportunities for collaboration, and current gaps
24 in effort and resource limitations related to advancing sci-
25 entific understanding of how ocean heat waves, harmful

1 algae blooms, availability of prey, and habitat degradation
2 impact marine mammal mortality. The report shall include
3 recommendations for policies needed to mitigate and re-
4 spond to mortality events.

5 **TITLE IV—REAUTHORIZATION**
6 **OF CORAL REEF CONSERVA-**
7 **TION ACT OF 2000**

8 **SEC. 70401. REAUTHORIZATION OF CORAL REEF CON-**
9 **SERVATION ACT OF 2000.**

10 (a) **PURPOSES; FEDERAL CORAL REEF MANAGE-**
11 **MENT AND RESTORATION ACTIVITIES.**—The Coral Reef
12 Conservation Act of 2000 (16 U.S.C. 6401 et seq.) is
13 amended by striking sections 202 and 203 and inserting
14 the following:

15 **“SEC. 202. PURPOSES.**

16 “The purposes of this title are—

17 “(1) to conserve and restore the condition of
18 United States coral reef ecosystems challenged by
19 natural and human-accelerated changes, including
20 increasing ocean temperatures, ocean acidification,
21 coral bleaching, coral diseases, water quality deg-
22 radation, invasive species, and illegal, unreported,
23 and unregulated fishing;

24 “(2) to promote the science-based management
25 and sustainable use of coral reef ecosystems to ben-

1 efit local communities and the Nation, including
2 through improved integration and cooperation
3 among Federal, State, and locally managed jurisdic-
4 tions with coral reef equities;

5 “(3) to develop sound scientific information on
6 the condition of coral reef ecosystems, continuing
7 and emerging threats to such ecosystems, and the
8 efficacy of innovative tools, technologies, and strate-
9 gies to mitigate stressors and restore such eco-
10 systems, including evaluation criteria to determine
11 the effectiveness of management interventions, and
12 accurate mapping for coral reef restoration;

13 “(4) to assist in the preservation of coral reefs
14 by supporting science-based, consensus-driven State,
15 Tribal, Pacific Islander, and community-based coral
16 reef management, including monitoring, conserva-
17 tion, and restoration projects that empower local
18 communities, small businesses, and nongovernmental
19 organizations;

20 “(5) to provide financial resources, technical as-
21 sistance, and scientific expertise to supplement and
22 strengthen State, Tribal, Indigenous, and commu-
23 nity-based management programs and conservation
24 and restoration projects;

1 “(6) to establish a formal mechanism for col-
2 lecting and allocating monetary donations from the
3 private sector to be used for coral reef conservation
4 and restoration projects;

5 “(7) to support the rapid and effective, science-
6 based assessment and response to emergencies that
7 imminently threaten coral reefs, such as coral dis-
8 ease outbreaks, invasive species, hurricanes, marine
9 heat waves, coral bleaching, and other natural disas-
10 ters, vessel groundings or chemical spills, and other
11 exigent circumstances; and

12 “(8) to serve as a model for advancing similar
13 international efforts to monitor, conserve, and re-
14 store coral reef ecosystems in the jurisdictions of
15 United States allies and trading partners.

16 **“SEC. 203. FEDERAL CORAL REEF MANAGEMENT AND RES-**
17 **TORATION ACTIVITIES.**

18 “(a) IN GENERAL.—The Administrator or the Sec-
19 retary of the Interior may conduct activities described in
20 subsection (b) to conserve and restore coral reefs and coral
21 reef ecosystems that are consistent with—

22 “(1) all applicable laws governing resource
23 management in Federal and State waters, including
24 this Act;

1 “(2) the national coral reef resilience strategy
2 in effect under section 204A;

3 “(3) coral reef action plans in effect under sec-
4 tion 205, as applicable; and

5 “(4) coral reef emergency plans in effect under
6 section 209, as applicable.

7 “(b) ACTIVITIES DESCRIBED.—Activities described
8 in this subsection are activities to conserve, research, mon-
9 itor, assess, and restore coral reefs and coral reef eco-
10 systems in waters managed under the jurisdiction of a
11 Federal agency specified in subsection (c) or in coordina-
12 tion with a State in waters managed under the jurisdiction
13 of such State, including—

14 “(1) developing, including through the collection
15 of requisite data, high-quality and digitized maps re-
16 flecting—

17 “(A) current and historical live coral cover
18 data;

19 “(B) coral reef habitat quality data;

20 “(C) priority areas for coral reef conserva-
21 tion to maintain biodiversity and ecosystem
22 structure and function, including the reef ma-
23 trix itself, that benefit coastal communities and
24 living marine resources;

1 “(D) priority areas for coral reef restora-
2 tion to enhance biodiversity and ecosystem
3 structure and function, including the reef ma-
4 trix itself, to benefit coastal communities and
5 living marine resources; and

6 “(E) areas of concern that may require en-
7 hanced monitoring of coral health and cover;

8 “(2) enhancing compliance with Federal laws
9 that prohibit or regulate—

10 “(A) the taking of coral products or spe-
11 cies associated with coral reefs; or

12 “(B) the use and management of coral reef
13 ecosystems;

14 “(3) long-term ecological monitoring of coral
15 reef ecosystems;

16 “(4) implementing species-specific recovery
17 plans for listed coral species consistent with the En-
18 dangered Species Act of 1973 (16 U.S.C. 1531 et
19 seq.);

20 “(5) restoring degraded coral reef ecosystems;

21 “(6) promoting ecologically sound navigation
22 and anchorages, including mooring buoy systems to
23 promote enhanced recreational access, near coral
24 reefs;

1 “(7) monitoring and responding to severe
2 bleaching or mortality events, disease outbreaks,
3 invasive species outbreaks, and significant maritime
4 accidents, including chemical spill cleanup and the
5 removal of grounded vessels;

6 “(8) conducting scientific research that contrib-
7 utes to the understanding, sustainable use, and long-
8 term conservation of coral reefs;

9 “(9) enhancing public awareness, under-
10 standing, and appreciation of coral reefs and coral
11 reef ecosystems;

12 “(10) preventing or minimizing the likelihood of
13 vessel impacts or other physical damage to coral
14 reefs through navigational aids and expansion of
15 reef-safe anchorages; and

16 “(11) centrally archiving, managing, and dis-
17 tributing data sets and coral reef ecosystem assess-
18 ments and publishing such information on publicly
19 available internet websites of—

20 “(A) the Coral Reef Conservation Program
21 of the National Oceanic and Atmospheric Ad-
22 ministration; and

23 “(B) the Task Force.

24 “(c) FEDERAL AGENCIES SPECIFIED.—A Federal
25 agency specified in this subsection is one of the following:

1 “(1) The National Oceanic and Atmospheric
2 Administration.

3 “(2) The National Park Service.

4 “(3) The United States Fish and Wildlife Serv-
5 ice.

6 “(4) The Office of Insular Affairs.”.

7 (b) **ADDITIONAL PROVISIONS.**—The Coral Reef Con-
8 servation Act of 2000 (16 U.S.C. 6401 et seq.) is amended
9 by striking sections 205 through 210 and inserting the
10 following:

11 **“SEC. 204A. NATIONAL CORAL REEF RESILIENCE STRAT-**
12 **EGY.**

13 “(a) **IN GENERAL.**—The Administrator shall—

14 “(1) develop a national coral reef resilience
15 strategy; and

16 “(2) periodically, but not less frequently than
17 every 15 years, review and revise the strategy.

18 “(b) **ELEMENTS.**—The strategy required by sub-
19 section (a) shall include the following:

20 “(1) A discussion addressing—

21 “(A) continuing and emerging threats to
22 the resilience of United States coral reef eco-
23 systems;

24 “(B) remaining gaps in coral reef eco-
25 system research, monitoring, and assessment;

1 “(C) the status of management coopera-
2 tion and integration among Federal, State,
3 Tribal, and locally managed jurisdictions with
4 coral reef equities;

5 “(D) the status of efforts to manage and
6 disseminate critical information, and enhance
7 interjurisdictional data sharing, related to re-
8 search, reports, datasets, and maps;

9 “(E) areas of special focus, which may in-
10 clude—

11 “(i) improving natural coral recruit-
12 ment;

13 “(ii) preventing avoidable losses of
14 corals and their habitat;

15 “(iii) enhancing the resilience of coral
16 populations;

17 “(iv) supporting a resilience-based
18 management approach;

19 “(v) developing, coordinating, and im-
20 plementing watershed management plans;

21 “(vi) building and sustaining water-
22 shed management capacity at the local
23 level;

24 “(vii) providing data essential for
25 coral reef fisheries management;

1 “(viii) building capacity for coral reef
2 fisheries management;

3 “(ix) increasing understanding of
4 coral reef ecosystem services;

5 “(x) educating the public on the im-
6 portance of coral reefs, threats to coral
7 reefs, and solutions to such threats; and

8 “(xi) evaluating intervention efficacy;

9 “(F) the status of conservation efforts, in-
10 cluding the use of marine protected areas to
11 serve as replenishment zones developed con-
12 sistent with local practices and traditions and
13 in cooperation with, and with respect for the
14 scientific, technical, and management expertise
15 and responsibilities of, State fish and wildlife
16 management agencies; and

17 “(G) science-based adaptive management
18 and restoration efforts.

19 “(2) A statement of national goals and objec-
20 tives designed to guide—

21 “(A) future Federal coral reef management
22 and restoration activities authorized under sec-
23 tion 203;

24 “(B) conservation and restoration prior-
25 ities for grants awarded under section 213; and

1 “(C) research priorities for the cooperative
2 institutes established under section 215(e).

3 “(3) General templates for use by covered reef
4 managers to guide the development of—

5 “(A) coral reef action plans under section
6 205; and

7 “(B) coral reef emergency plans under sec-
8 tion 209.

9 “(c) CONSULTATIONS.—In developing all elements of
10 the strategy required by subsection (a), the Administrator
11 shall—

12 “(1) consult with the Secretary of the Interior,
13 the Task Force, covered States, and Tribal organiza-
14 tions;

15 “(2) engage stakeholders, including coral reef
16 stewardship partnerships, coral reef institutes and
17 research centers described in section 215(c), and
18 coral reef conservation grant awardees; and

19 “(3) solicit public review and comment regard-
20 ing scoping and the draft strategy.

21 “(d) SUBMISSION TO CONGRESS; PUBLICATION.—
22 The Administrator shall—

23 “(1) submit the strategy required by subsection
24 (a) and any revisions to the strategy to the appro-
25 priate congressional committees; and

1 “(2) publish the strategy and any such revisions
2 on publicly available internet websites of—

3 “(A) the Coral Reef Conservation Program
4 of the National Oceanic and Atmospheric Ad-
5 ministration; and

6 “(B) the Task Force.

7 “(e) TRANSITION RULE.—On and after the date of
8 the enactment of the America COMPETES Act of 2022,
9 the 2018 Coral Reef Conservation Program Strategic Plan
10 of the National Oceanic and Atmospheric Administration
11 shall be considered to be the national coral reef resilience
12 strategy in effect under this section until the earlier of—

13 “(1) September 30, 2033; or

14 “(2) the date on which the Administrator devel-
15 ops a national coral reef resilience strategy under
16 this section.

17 **“SEC. 205. CORAL REEF ACTION PLANS.**

18 “(a) CORAL REEF ACTION PLANS.—Except as pro-
19 vided in subsection (h), not later than 3 years after the
20 date of the enactment of the America COMPETES Act
21 of 2022, and not later than 2 years after the publication
22 of a revised national coral reef resilience strategy under
23 section 204A, each covered reef manager shall prepare and
24 submit to the Task Force a coral reef action plan to guide

1 management and restoration activities to be undertaken
2 within the responsibilities and jurisdiction of the manager.

3 “(b) REQUIREMENTS.—A covered reef manager pre-
4 paring a coral reef action plan under subsection (a)
5 shall—

6 “(1) ensure that the plan is consistent with all
7 elements of the national coral reef resilience strategy
8 in effect; and

9 “(2) revise the plan not less frequently than
10 once every 5 years.

11 “(c) PLAN ELEMENTS.—A coral reef action plan
12 under subsection (a) shall include a discussion of the fol-
13 lowing elements:

14 “(1) Short- and mid-term coral reef conserva-
15 tion and restoration objectives within the applicable
16 jurisdiction.

17 “(2) An updated adaptive management frame-
18 work to inform research, monitoring, and assessment
19 needs.

20 “(3) The status of any coral reef emergency
21 plans in effect under section 209 covering coral reef
22 ecosystems within the applicable jurisdiction.

23 “(4) Tools, strategies, and partnerships nec-
24 essary to identify, monitor, and redress the impacts
25 of pollution, diminished water quality, temperature

1 fluctuations, acidification, overfishing, disease, and
2 other disturbances to coral reef ecosystems within
3 the applicable jurisdiction.

4 “(5) The status of efforts to improve coral reef
5 ecosystem management cooperation and integration
6 among neighboring Federal, State, Tribal, or locally
7 managed jurisdictions, including the identification of
8 existing research and monitoring activities that can
9 be leveraged for coral reef status and trends assess-
10 ments within the applicable jurisdiction.

11 “(6) An accounting of annual expenditures on
12 coral reef management and restoration activities
13 within the applicable jurisdiction while the preceding
14 action plan, if any, was in effect.

15 “(7) Estimated budgetary and resource consid-
16 erations necessary to carry out the proposed action
17 plan.

18 “(d) TECHNICAL ASSISTANCE.—The Administrator
19 and the Task Force shall make all reasonable efforts to
20 provide technical assistance upon request by a covered reef
21 manager developing a coral reef action plan under sub-
22 section (a).

23 “(e) ADOPTION OF CORAL REEF ACTION PLANS.—
24 A covered reef manager may adopt a coral reef action plan
25 developed by another covered reef manager, in full or in

1 part, as relevant to the adopting manager’s applicable ju-
2 risdiction.

3 “(f) PUBLIC REVIEW.—The development of a coral
4 reef action plan by a covered reef manager under sub-
5 section (a), and the adoption of a plan under subsection
6 (e), shall be subject to public review and comment.

7 “(g) PUBLICATION.—The Administrator shall publish
8 each coral reef action plan prepared and submitted to the
9 Task Force under this section on publicly available inter-
10 net websites of—

11 “(1) the Coral Reef Conservation Program of
12 the National Oceanic and Atmospheric Administra-
13 tion; and

14 “(2) the Task Force.

15 “(h) APPLICABILITY TO COVERED STATES AND
16 CORAL REEF STEWARDSHIP PARTNERSHIPS.—A covered
17 State or non-Federal coral reef stewardship partnership
18 is not required to develop a coral reef action plan under
19 subsection (a), but may do so in its own discretion. In
20 developing a coral reef action plan, a covered State or non-
21 Federal coral reef stewardship partnership is encouraged,
22 but not mandated, to comply with the requirements of this
23 section.

24 “(i) PLAN IN EFFECT.—A coral reef action plan shall
25 be deemed to be in effect if the plan was submitted to

1 the Task Force under this section during the preceding
2 6 years.

3 **“SEC. 206. CORAL REEF STEWARDSHIP PARTNERSHIPS.**

4 “(a) CORAL REEF STEWARDSHIP PARTNERSHIPS.—

5 The Administrator shall establish standards for the identi-
6 fication of coral reefs and the formation of partnerships
7 among government and community members for the stew-
8 ardship of coral reefs (in this title referred to as ‘coral
9 reef stewardship partnerships’) in accordance with this
10 section, including guidance for preparation and submis-
11 sion of coral reef action plans under section 205 for review
12 and approval by the Administrator.

13 “(b) IDENTIFICATION OF CORAL REEFS.—Each coral
14 reef stewardship partnership shall identify with particu-
15 larity the coral reef or ecologically significant component
16 of a coral reef that will be the subject of its stewardship
17 activities.

18 “(c) MEMBERSHIP FOR FEDERAL CORAL REEFS.—

19 A coral reef stewardship partnership that has identified,
20 as the subject of its stewardship activities, a coral reef
21 or ecologically significant component of a coral reef that
22 is fully or partially under the management jurisdiction of
23 any Federal agency specified in section 203(c) shall, at
24 a minimum, include the following:

1 “(1) That Federal agency, a representative of
2 which shall serve as chair of the coral reef steward-
3 ship partnership.

4 “(2) A State, county, or Tribal organization’s
5 resource management agency.

6 “(3) A coral reef research center described in
7 section 215(c)(4) or another institution of higher
8 education.

9 “(4) A nongovernmental organization.

10 “(5) Such other members as the partnership
11 considers appropriate, such as interested stakeholder
12 groups.

13 “(d) MEMBERSHIP FOR NON-FEDERAL CORAL
14 REEFS.—

15 “(1) IN GENERAL.—A coral reef stewardship
16 partnership that has identified, as the subject of its
17 stewardship activities, a coral reef or ecologically sig-
18 nificant component of a coral reef that is not under
19 the management jurisdiction of any Federal agency
20 specified in section 203(c) shall, at a minimum, in-
21 clude the following:

22 “(A) A State, county, or Tribal organiza-
23 tion’s resource management agency, a rep-
24 resentative of which shall serve as the chair of
25 the coral reef stewardship partnership.

1 “(B) A coral reef research center described
2 in section 215(c)(4) or another institution of
3 higher education.

4 “(C) A nongovernmental organization.

5 “(D) Such other members as the partner-
6 ship considers appropriate, such as interested
7 stakeholder groups.

8 “(2) ADDITIONAL MEMBERS.—

9 “(A) IN GENERAL.—Subject to subpara-
10 graph (B), a coral reef stewardship partnership
11 described in paragraph (1) may also include
12 representatives of one or more Federal agencies
13 that have management responsibility in the
14 coral reef that is the subject of the partner-
15 ship’s stewardship activities.

16 “(B) REQUESTS; APPROVAL.—A represent-
17 ative of a Federal agency described in subpara-
18 graph (A) may become a member of a coral reef
19 stewardship partnership described in paragraph
20 (1) if—

21 “(i) the representative submits a re-
22 quest to become a member to the chair of
23 the partnership referred to in paragraph
24 (1)(A); and

25 “(ii) the chair consents to the request.

1 “(e) NONAPPLICABILITY OF FEDERAL ADVISORY
2 COMMITTEE ACT.—The Federal Advisory Committee Act
3 (5 U.S.C. App.) shall not apply to coral reef stewardship
4 partnerships.

5 “**SEC. 207. BLOCK GRANTS AND COOPERATIVE AGREE-**
6 **MENTS.**

7 “(a) IN GENERAL.—The Administrator shall provide
8 block grants of financial assistance to covered States to
9 support management and restoration activities and fur-
10 ther the implementation of coral reef action plans in effect
11 under section 205 by covered States and non-Federal coral
12 reef stewardship partnerships.

13 “(b) ELIGIBILITY FOR ADDITIONAL AMOUNTS.—

14 “(1) IN GENERAL.—A covered State shall qual-
15 ify for and receive additional grant amounts beyond
16 the base award specified in subsection (c)(1) if there
17 is at least one coral reef action plan in effect within
18 the jurisdiction of the covered State developed by
19 that covered State or a non-Federal coral reef stew-
20 ardship partnership.

21 “(2) WAIVER.—In any fiscal year before fiscal
22 year 2025, the Administrator shall waive the re-
23 quirement to qualify for and receive additional grant
24 amounts described in paragraph (1).

1 “(c) FUNDING FORMULA.—The amount of each block
2 grant awarded to a covered State under this section shall
3 be the sum of—

4 “(1) a base award of \$100,000; and

5 “(2) if the State is eligible under subsection
6 (b)—

7 “(A) an amount that is equal to non-Fed-
8 eral expenditures of up to \$3,000,000 on coral
9 reef management and restoration activities
10 within the jurisdiction of the State during the
11 previous fiscal year, and

12 “(B) an additional amount, from any
13 funds appropriated for activities under this sec-
14 tion that remain after distribution under sub-
15 paragraph (A), paragraph (1), and subsection
16 (g)based on the proportion of the State’s share
17 of total non-Federal expenditures on coral reef
18 management and restoration activities, as re-
19 ported within the previous fiscal year, in excess
20 of \$3,000,000, relative to other covered States.

21 “(d) EXCLUSIONS.—For the purposes of calculating
22 block grant amounts under subsection (c), Federal funds
23 provided to a covered State or non-Federal coral reef stew-
24 ardship partnership shall not be considered as qualifying
25 non-Federal expenditures, but non-Federal matching

1 funds used to leverage Federal awards may be considered
2 as qualifying non-Federal expenditures.

3 “(e) RESPONSIBILITIES OF THE ADMINISTRATOR.—

4 The Administrator is responsible for—

5 “(1) providing guidance on qualifying non-Fed-
6 eral expenditures and the proper documentation of
7 such expenditures;

8 “(2) issuing annual solicitations to covered
9 States for additional awards under this section; and

10 “(3) determining the appropriate allocation of
11 additional amounts among covered States in accord-
12 ance with this section.

13 “(f) RESPONSIBILITIES OF COVERED STATES.—Each
14 covered State is responsible for documenting non-Federal
15 expenditures within the jurisdiction of the State and for-
16 mally reporting those expenditures for review in response
17 to annual solicitations by the Administrator under sub-
18 section (e).

19 “(g) COOPERATIVE AGREEMENTS.—The Adminis-
20 trator may enter into cooperative agreements with States
21 to fund coral reef conservation and restoration activities
22 in waters managed under the jurisdiction of such States
23 that are consistent with the national coral reef resilience
24 strategy in effect under section 204A.

1 “(h) UNEXPENDED AMOUNTS.—Any amounts avail-
2 able for activities under this section that are not expended
3 shall be transferred to the Coral Reef Stewardship Fund
4 under section 208(b).

5 **“SEC. 208. CORAL REEF STEWARDSHIP FUND.**

6 “(a) AUTHORITY TO ENTER INTO AGREEMENTS.—
7 The Administrator may enter into an agreement with the
8 National Fish and Wildlife Foundation (in this section re-
9 ferred to as the ‘Foundation’), authorizing the Foundation
10 to receive, hold, and administer funds received under this
11 section.

12 “(b) FUND.—The Foundation shall invest, reinvest,
13 and otherwise administer the funds received under this
14 section and maintain such funds and any interest or reve-
15 nues earned in a separate interest-bearing account, to be
16 known as the ‘Coral Reef Stewardship Fund’ (in this sec-
17 tion referred to as the ‘Fund’, and known before the date
18 of the enactment of the America COMPETES Act of 2022
19 as the Coral Reef Conservation Fund administered
20 through a public-private partnership with the Founda-
21 tion), established by the Foundation solely to support
22 coral reef stewardship partnership activities that—

23 “(1) further the purposes of this title; and

24 “(2) are consistent with—

1 “(A) the national coral reef resilience
2 strategy in effect under section 204A; and

3 “(B) coral reef action plans in effect, if
4 any, under section 205 covering a coral reef or
5 ecologically significant component of a coral
6 reef to be impacted by such activities, if appli-
7 cable.

8 “(c) AUTHORIZATION TO SOLICIT DONATIONS.—

9 “(1) IN GENERAL.—Pursuant to an agreement
10 entered into under subsection (a), the Foundation
11 may accept, receive, solicit, hold, administer, and use
12 any gift (including, notwithstanding section 1342 of
13 title 31, United States Code, donations of services)
14 to further the purposes of this title.

15 “(2) DEPOSITS IN FUND.—Notwithstanding
16 section 3302 of title 31, United States Code, any
17 funds received as a gift shall be deposited and main-
18 tained in the Fund.

19 “(3) NOTIFICATION REQUIRED.—Not later than
20 30 days after funds are deposited in the Fund under
21 paragraph (2), the Foundation shall notify the Com-
22 mittee on Appropriations of the Senate and the
23 Committee on Appropriations of the House of Rep-
24 resentatives of the source and amount of such funds.

1 “(d) REVIEW OF PERFORMANCE.—The Adminis-
2 trator shall conduct a continuing review of all deposits
3 into, and disbursements from, the Fund. Each review shall
4 include a written assessment concerning the extent to
5 which the Foundation has implemented the goals and re-
6 quirements of—

7 “(1) this section; and

8 “(2) the national coral reef resilience strategy
9 in effect under section 204A.

10 “(e) ADMINISTRATION.—Under an agreement en-
11 tered into pursuant to subsection (a), the Administrator
12 may transfer funds appropriated to carry out this title to
13 the Foundation. Amounts received by the Foundation
14 under this subsection may be used for matching, in whole
15 or in part, contributions (whether in money, services, or
16 property) made to the Foundation by private persons,
17 State or local government agencies, or Tribal organiza-
18 tions.

19 **“SEC. 209. CORAL REEF EMERGENCY PLANS.**

20 “(a) IN GENERAL.—A covered reef manager may de-
21 velop and periodically update a plan (in this title referred
22 to as a ‘coral reef emergency plan’) consistent with the
23 template described in section 204A(b)(3) to guide the
24 rapid and effective response to circumstances that pose
25 an urgent and immediate threat to the coral reef eco-

1 systems within the manager’s responsibilities and jurisdic-
2 tions, and consistent with any applicable coral reef action
3 plan.

4 “(b) CORAL REEF EMERGENCIES.—The Adminis-
5 trator shall develop a list of, and criteria for, cir-
6 cumstances that pose an urgent and immediate threat to
7 coral reefs (in this title referred to as ‘coral reef emer-
8 gencies’), including—

9 “(1) new and ongoing outbreaks of disease;

10 “(2) new and ongoing outbreaks of invasive or
11 nuisance species;

12 “(3) new and ongoing coral bleaching events;

13 “(4) natural disasters;

14 “(5) man-made disasters, including vessel
15 groundings, hazardous spills, or coastal construction
16 accidents; and

17 “(6) other exigent circumstances.

18 “(c) BEST RESPONSE PRACTICES.—The Adminis-
19 trator shall develop guidance on best practices to respond
20 to coral reef emergencies that can be adopted within coral
21 reef emergency plans. Such best practices shall be—

22 “(1) based on the best available science and in-
23 tegrated with evolving innovative technologies; and

24 “(2) revised not less frequently than once every
25 5 years.

1 “(d) PLAN ELEMENTS.—A coral reef emergency plan
2 shall include the following elements:

3 “(1) A description of particular threats, and the
4 proposed responses, consistent with the best prac-
5 tices developed under subsection (d).

6 “(2) A delineation of roles and responsibilities
7 for executing the plan.

8 “(3) Evidence of engagement with interested
9 stakeholder groups, as applicable, in the develop-
10 ment of the plan.

11 “(4) Any other information the Administrator
12 considers to be necessary for the plan.

13 “(e) TECHNICAL ASSISTANCE.—The Administrator
14 and the Task Force shall make all reasonable efforts to
15 provide technical assistance upon request by a covered reef
16 manager developing a coral reef emergency plan under
17 subsection (a).

18 “(f) ADOPTION OF CORAL REEF EMERGENCY
19 PLANS.—A covered reef manager may adopt a coral reef
20 emergency plan developed by another covered reef man-
21 ager, in full or in part, as relevant to the adopting man-
22 ager’s applicable jurisdiction.

23 “(g) PUBLIC REVIEW.—The development of a coral
24 reef action plan by a covered reef manager under sub-

1 section (a), and the adoption of a plan under subsection
2 (f), shall be subject to public review and comment.

3 “(h) PUBLICATION.—The Administrator shall publish
4 each coral reef emergency plan prepared and submitted
5 to the Task Force under this section on publicly available
6 internet websites of—

7 “(1) the Coral Reef Conservation Program of
8 the National Oceanic and Atmospheric Administra-
9 tion; and

10 “(2) the Task Force.

11 “(i) PLAN IN EFFECT.—A coral reef emergency plan
12 shall be deemed to be in effect if the plan was submitted
13 to the Task Force under this section during the preceding
14 6 years.

15 **“SEC. 210. CORAL REEF EMERGENCY FUND.**

16 “(a) ESTABLISHMENT OF FUND.—There is estab-
17 lished in the Treasury an interest-bearing fund to be
18 known as the ‘Coral Reef Emergency Fund’, which shall
19 consist of amounts deposited into the Fund under sub-
20 section (c).

21 “(b) USES.—Amounts in the Fund—

22 “(1) shall be available only for use by the Ad-
23 ministrator to compensate covered coral reef man-
24 gers to implement a coral reef emergency plan in ef-
25 fect under sections 210 and 212; and

1 “(2) shall remain available until expended.

2 “(c) DEPOSITS INTO THE FUND.—There shall be de-
3 posited into the Fund—

4 “(1) amounts appropriated for the Fund; and

5 “(2) other amounts appropriated to the Admin-
6 istrator for use with respect to coral reef emer-
7 gencies.

8 “(d) ACCEPTANCE OF DONATIONS.—

9 “(1) IN GENERAL.—For purposes of carrying
10 out this title, the Administrator may accept, receive,
11 solicit, hold, administer, and use any gift (including,
12 notwithstanding section 1342 of title 31, United
13 States Code, donations of services).

14 “(2) DEPOSITS IN FUND.—Notwithstanding
15 section 3302 of title 31, United States Code, any
16 funds received as a gift shall be deposited and main-
17 tained in the Fund.

18 **“SEC. 211. EMERGENCY ASSISTANCE.**

19 “(a) CORAL REEF EMERGENCY DECLARATIONS.—

20 “(1) SUA SPONTE DECLARATION.—

21 “(A) IN GENERAL.—The Administrator
22 may determine and declare a coral reef emer-
23 gency, including at the recommendation of the
24 Secretary of the Interior.

1 “(B) REQUIREMENTS.—In declaring a
2 coral reef emergency under subparagraph (A),
3 the Administrator shall—

4 “(i) certify that an emergency has oc-
5 curred that is ecologically significant and
6 harmful to coral reefs; and

7 “(ii) submit to the appropriate con-
8 gressional committees findings and anal-
9 ysis to justify the declaration.

10 “(2) PETITIONS.—If a covered State or non-
11 Federal coral reef stewardship partnership believes
12 that a coral reef emergency has occurred, and is im-
13 pacting coral reefs or ecologically significant compo-
14 nents of coral reefs subject to the responsibilities or
15 jurisdiction of the State or partnership, the State or
16 partnership may petition the Administrator for a
17 declaration of a coral reef emergency.

18 “(3) EVALUATION AND ACTION.—

19 “(A) IN GENERAL.—Not later than 30
20 days after receiving a petition under paragraph
21 (2) (except as provided in subparagraph (B)),
22 the Administrator shall—

23 “(i) evaluate the petition to determine
24 whether a coral reef emergency has oc-
25 curred; and

1 “(ii) declare a coral reef emergency or
2 deny the petition.

3 “(B) EXTENSION.—The Administrator
4 may extend the deadline provided for under
5 subparagraph (A) by not more than 15 days.

6 “(4) APPEAL.—If the Administrator denies a
7 petition for an emergency declaration submitted
8 under paragraph (2), the State or partnership that
9 submitted the petition may, not later than 15 days
10 after receiving notice of the denial, appeal the denial
11 to the Administrator. Not later than 15 days after
12 receiving an appeal under this paragraph, the Ad-
13 ministrator shall grant or deny the appeal.

14 “(5) REVOCATION.—The Administrator may re-
15 voke any declaration of a coral reef emergency in
16 whole or in part after determining that cir-
17 cumstances no longer require an emergency re-
18 sponse.

19 “(6) RECOVERY OF EMERGENCY FUNDING.—
20 The Administrator may seek compensation from
21 negligent parties to recover emergency funds ex-
22 pended in excess of \$500,000 under this section as
23 a result of an emergency declaration arising from di-
24 rect impacts to coral reefs from man-made disasters
25 or accidents.

1 “(b) FINANCIAL ASSISTANCE AUTHORITY.—

2 “(1) IN GENERAL.—Upon the declaration of a
3 coral reef emergency under subsection (a), the Ad-
4 ministrator shall provide grants to carry out pro-
5 posals that meet the requirements of paragraph (2)
6 to implement coral reef emergency plans in effect
7 under section 209.

8 “(2) REQUIREMENTS.—A proposal for a grant
9 under this subsection to implement a coral reef
10 emergency plan in effect under section 209 shall in-
11 clude—

12 “(A) the name of the entity submitting the
13 proposal;

14 “(B) a copy of the coral reef emergency
15 plan;

16 “(C) a description of the qualifications of
17 the individuals and entities who will implement
18 the plan;

19 “(D) an estimate of the funds and time re-
20 quired to complete the implementation of the
21 plan; and

22 “(E) any other information the Adminis-
23 trator considers to be necessary for evaluating
24 the eligibility of the proposal for a grant under
25 this subsection.

1 “(3) REVIEW.—Not later than 30 days after re-
2 ceiving a proposal for a grant under this subsection,
3 the Administrator shall review the proposal and de-
4 termine if the proposal meets the requirements of
5 paragraph (2).

6 “(4) CONCURRENT REVIEW.—An entity seeking
7 a grant under this subsection may submit a proposal
8 under paragraph (2) to the Administrator at any
9 time following the submission of a petition for an
10 emergency declaration under subsection (a)(2) that
11 is applicable to coral reefs or ecologically significant
12 components of coral reefs subject to the responsibil-
13 ities or jurisdiction of the entity.

14 **“SEC. 212. VESSEL GROUNDING INVENTORY.**

15 “The Administrator, in coordination with the heads
16 of other Federal agencies, shall establish and maintain an
17 inventory of all vessel grounding incidents involving
18 United States coral reefs, including a description of—

19 “(1) the impacts of each such incident to coral
20 reefs and related natural resources;

21 “(2) vessel and ownership information relating
22 to each such incident, if available;

23 “(3) the estimated cost of removal of the vessel,
24 remediation, or restoration relating to each such in-
25 cident;

1 “(4) the response actions taken by the owner of
2 the vessel, the Administrator, the Commandant of
3 the Coast Guard, or representatives of other Federal
4 or State agencies;

5 “(5) the status of the response actions, includ-
6 ing the dates of—

7 “(A) vessel removal;

8 “(B) remediation or restoration activities,
9 including whether a coral reef emergency plan
10 was implemented; and

11 “(C) any actions taken to prevent future
12 grounding incidents; and

13 “(6) recommendations for additional naviga-
14 tional aids or other mechanisms for preventing fu-
15 ture grounding incidents.

16 **“SEC. 213. RUTH D. GATES CORAL REEF CONSERVATION**
17 **GRANT PROGRAM.**

18 “(a) GRANTS.—The Administrator shall establish a
19 program (to be known as the ‘Ruth D. Gates Coral Reef
20 Conservation Grant Program’) to provide grants for
21 projects for the conservation and restoration of coral reef
22 ecosystems (in this section referred to as ‘coral reef
23 projects’) pursuant to proposals approved by the Adminis-
24 trator in accordance with this section.

25 “(b) ELIGIBILITY.—

1 “(1) IN GENERAL.—An entity described in
2 paragraph (2) may submit to the Administrator a
3 proposal for a coral reef project.

4 “(2) ENTITIES DESCRIBED.—An entity de-
5 scribed in this paragraph is—

6 “(A) a natural resource management au-
7 thority of a State or local government or Tribal
8 organization—

9 “(i) with responsibility for coral reef
10 management; or

11 “(ii) the activities of which directly or
12 indirectly affect coral reefs or coral reef
13 ecosystems;

14 “(B) a regional fishery management coun-
15 cil established under the Magnuson-Stevens
16 Fishery Conservation and Management Act (16
17 U.S.C. 1801 et seq.);

18 “(C) a coral reef stewardship partnership
19 seeking to implement a coral reef action plan in
20 effect under section 205;

21 “(D) a coral reef research center des-
22 ignated under section 215(c)(4); or

23 “(E) another nongovernmental organiza-
24 tion or research institution with demonstrated
25 expertise in the conservation or restoration of

1 coral reefs in practice or through significant
2 contributions to the body of existing scientific
3 research on coral reefs.

4 “(c) PROJECT PROPOSALS.—Each proposal for a
5 grant under this section for a coral reef project shall in-
6 clude the following:

7 “(1) The name of the individual or entity re-
8 sponsible for conducting the project.

9 “(2) A description of the qualifications of the
10 individual or entity.

11 “(3) A succinct statement of the purposes of
12 the project.

13 “(4) An estimate of the funds and time re-
14 quired to complete the project.

15 “(5) Evidence of support for the project by ap-
16 propriate representatives of States or other govern-
17 ment jurisdictions in which the project will be con-
18 ducted.

19 “(6) Information regarding the source and
20 amount of matching funding available to the appli-
21 cant.

22 “(7) A description of how the project meets one
23 or more of the criteria under subsection (e)(2).

24 “(8) In the case of a proposal submitted by a
25 coral reef stewardship partnership, a description of

1 how the project aligns with the applicable coral reef
2 action plan in effect under section 205.

3 “(9) Any other information the Administrator
4 considers to be necessary for evaluating the eligi-
5 bility of the project for a grant under this sub-
6 section.

7 “(d) PROJECT REVIEW AND APPROVAL.—

8 “(1) IN GENERAL.—The Administrator shall re-
9 view each coral reef project proposal submitted
10 under this section to determine if the project meets
11 the criteria set forth in subsection (e).

12 “(2) PRIORITIZATION OF CONSERVATION
13 PROJECTS.—The Administrator shall prioritize the
14 awarding of grants for projects that meet the cri-
15 teria for approval under subparagraphs (A) through
16 (G) of subsection (e)(2) that are proposed to be con-
17 ducted within priority areas identified for coral reef
18 conservation by the Administrator and consistent
19 with the national coral reef resilience strategy in ef-
20 fect under section 204A.

21 “(3) PRIORITIZATION OF RESTORATION
22 PROJECTS.—The Administrator shall prioritize the
23 awarding of grants for projects that meet the cri-
24 teria for approval under subparagraphs (E) through
25 (L) of subsection (e)(2) that are proposed to be con-

1 ducted within priority areas identified for coral reef
2 restoration by the Administrator and consistent with
3 the national coral reef resilience strategy in effect
4 under section 204A.

5 “(4) REVIEW; APPROVAL OR DISAPPROVAL.—
6 Not later than 180 days after receiving a proposal
7 for a coral reef project under this section, the Ad-
8 ministrator shall—

9 “(A) request and consider written com-
10 ments on the proposal from each Federal agen-
11 cy, State government, Tribal organization, or
12 other government jurisdiction, including the rel-
13 evant regional fishery management councils es-
14 tablished under the Magnuson-Stevens Fishery
15 Conservation and Management Act (16 U.S.C.
16 1801 et seq.), or any National Marine Sanc-
17 tuary or Marine National Monument, with ju-
18 risdiction or management authority over coral
19 reef ecosystems in the area where the project is
20 to be conducted, including the extent to which
21 the project is consistent with locally established
22 priorities, unless such entities were directly in-
23 volved in the development of the project pro-
24 posal;

1 “(B) provide for the merit-based peer re-
2 view of the proposal and require standardized
3 documentation of that peer review;

4 “(C) after considering any written com-
5 ments and recommendations based on the re-
6 views under subparagraphs (A) and (B), ap-
7 prove or disapprove the proposal; and

8 “(D) provide written notification of that
9 approval or disapproval, with summaries of all
10 written comments, recommendations, and peer-
11 reviews, to the entity that submitted the pro-
12 posal, and each of those States, Tribal organi-
13 zations, and other government jurisdictions that
14 provided comments under subparagraph (A).

15 “(e) CRITERIA FOR APPROVAL.—The Administrator
16 may not approve a proposal for a coral reef project under
17 this section unless the project—

18 “(1) is consistent with—

19 “(A) the national coral reef resilience
20 strategy in effect under section 204A; and

21 “(B) any Federal or non-Federal coral reef
22 action plans in effect under section 205 cov-
23 ering a coral reef or ecologically significant
24 component of a coral reef to be affected by the
25 project; and

1 “(2) will enhance the conservation and restora-
2 tion of coral reefs by—

3 “(A) addressing conflicts arising from the
4 use of environments near coral reefs or from
5 the use of corals, species associated with coral
6 reefs, and coral products, including supporting
7 consensus-driven, community-based planning
8 and management initiatives for the protection
9 of coral reef ecosystems;

10 “(B) improving compliance with laws that
11 prohibit or regulate the taking of coral products
12 or species associated with coral reefs or regulate
13 the use and management of coral reef eco-
14 systems;

15 “(C) designing and implementing networks
16 of real-time water quality monitoring along
17 coral reefs, including data collection related to
18 turbidity, nutrient availability, harmful algal
19 blooms, and plankton assemblages, with an em-
20 phasis on coral reefs impacted by agriculture
21 and urban development;

22 “(D) promoting ecologically sound naviga-
23 tion and anchorages, including mooring buoy
24 systems to promote enhanced recreational ac-
25 cess, near coral reefs;

1 “(E) furthering the goals and objectives of
2 coral reef action plans in effect under section
3 205 and coral reef emergency plans in effect
4 under section 209;

5 “(F) mapping the location and distribution
6 of coral reefs and potential coral reef habitat;

7 “(G) stimulating innovation to advance the
8 ability of the United States to understand, re-
9 search, or monitor coral reef ecosystems, or to
10 develop management or adaptation options to
11 preserve, sustain, and restore coral reef eco-
12 systems;

13 “(H) implementing research to ensure the
14 population viability of listed coral species in
15 United States waters as detailed in the popu-
16 lation-based recovery criteria included in spe-
17 cies-specific recovery plans consistent with the
18 Endangered Species Act of 1973 (16 U.S.C.
19 1531 et seq.);

20 “(I) developing and implementing cost-ef-
21 fective methods to restore degraded coral reef
22 ecosystems or to create geographically appro-
23 priate coral reef ecosystems in suitable waters,
24 including by improving habitat or promoting
25 success of keystone species, with an emphasis

1 on novel restoration strategies and techniques
2 to advance coral reef recovery and growth near
3 population centers threatened by rising sea lev-
4 els and storm surge;

5 “(J) translating and applying coral genet-
6 ics research to coral reef ecosystem restoration,
7 including research related to traits that pro-
8 mote resilience to increasing ocean tempera-
9 tures, ocean acidification, coral bleaching, coral
10 diseases, and invasive species;

11 “(K) developing and maintaining in situ
12 native coral propagation sites;

13 “(L) developing and maintaining ex situ
14 coral propagation nurseries and land-based
15 coral gene banks to—

16 “(i) conserve or augment genetic di-
17 versity of native coral populations;

18 “(ii) support captive breeding of rare
19 coral species; or

20 “(iii) enhance resilience of native coral
21 populations to increasing ocean tempera-
22 tures, ocean acidification, coral bleaching,
23 and coral diseases through selective breed-
24 ing, conditioning, or other approaches that

1 target genes, gene expression, phenotypic
2 traits, or phenotypic plasticity; or

3 “(M) maintaining the structure and func-
4 tion of coral reefs, including the reef matrix
5 itself.

6 “(f) FUNDING REQUIREMENTS.—To the extent prac-
7 ticable based upon proposals for coral reef projects sub-
8 mitted to the Administrator, the Administrator shall en-
9 sure that funding for grants awarded under this section
10 during a fiscal year is distributed as follows:

11 “(1) Not less than 40 percent of funds available
12 shall be awarded for projects in the Pacific Ocean
13 within the maritime areas and zones subject to the
14 jurisdiction or control of the United States.

15 “(2) Not less than 40 percent of the funds
16 available shall be awarded for projects in the Atlan-
17 tic Ocean, the Gulf of Mexico, or the Caribbean Sea
18 within the maritime areas and zones subject to the
19 jurisdiction or control of the United States.

20 “(g) PROJECT REPORTING.—Each entity receiving a
21 grant under this section shall submit to the Administrator
22 such reports at such times and containing such informa-
23 tion for evaluating project performance as the Adminis-
24 trator may require.

1 “(h) **TASK FORCE.**—The Administrator may consult
2 with the Secretary of the Interior and the Task Force to
3 obtain guidance in establishing priorities and evaluating
4 proposals for coral reef projects under this section.

5 “(i) **UNEXPENDED AMOUNTS.**—Any amounts avail-
6 able for grants under this section that are not expended
7 shall be transferred to the Coral Reef Stewardship Fund
8 under section 208(b).

9 **“SEC. 214. REPORTS ON ADMINISTRATION.**

10 “(a) **IN GENERAL.**—Not later than 2 years after the
11 date of the enactment of the America COMPETES Act
12 of 2022, and every 2 years thereafter, the Administrator
13 shall submit to the committees specified in subsection (b)
14 a report on the administration of this title during the 2-
15 year period preceding submission of the report, includ-
16 ing—

17 “(1) a description of all activities undertaken to
18 implement the most recent national coral reef resil-
19 ience strategy under section 204A;

20 “(2) a statement of all funds obligated under
21 the authorities of this title; and

22 “(3) a summary, disaggregated by State, of
23 Federal and non-Federal contributions toward the
24 costs of each project or activity funded, in full or in
25 part, under the authorities of this title.

1 “(b) COMMITTEES SPECIFIED.—The committees
2 specified in this subsection are—

3 “(1) the Committee on Commerce, Science, and
4 Transportation and the Committee on Appropria-
5 tions of the Senate; and

6 “(2) the Committee on Natural Resources and
7 the Committee on Appropriations of the House of
8 Representatives.

9 **“SEC. 215. AUTHORITY TO ENTER INTO AGREEMENTS.**

10 “(a) IN GENERAL.—The Administrator may enter
11 into and perform such contracts, leases, grants, or cooper-
12 ative agreements as may be necessary to carry out the
13 purposes of this title.

14 “(b) FUNDING.—

15 “(1) IN GENERAL.—Under an agreement en-
16 tered into under subsection (a), the Administrator
17 may reimburse or provide funds authorized to be ap-
18 propriated by section 216 to, and may receive funds
19 or reimbursements from, individuals and entities de-
20 scribed in paragraph (2) to carry out activities au-
21 thorized by this title.

22 “(2) INDIVIDUALS AND ENTITIES DE-
23 SCRIBED.—Individuals and entities described in this
24 paragraph are the following:

1 “(A) Federal agencies, instrumentalities,
2 and laboratories.

3 “(B) State and local governments.

4 “(C) Indian Tribes and Tribal organiza-
5 tions.

6 “(D) International organizations.

7 “(E) Foreign governments not subject to
8 economic sanctions imposed by the United
9 States.

10 “(F) Institutions of higher education, re-
11 search centers, and other educational institu-
12 tions.

13 “(G) Nonprofit organizations.

14 “(H) Commercial organizations.

15 “(I) Other public or private individuals or
16 entities.

17 “(c) COOPERATIVE INSTITUTES.—

18 “(1) DESIGNATION.—The Administrator shall
19 designate 2 cooperative institutes for the purpose of
20 advancing and sustaining essential capabilities in
21 coral reef research, to be known as the ‘Atlantic
22 Coral Reef Institute’ and the ‘Pacific Coral Reef In-
23 stitute’.

24 “(2) MEMBERSHIP.—Each institute established
25 under paragraph (1) shall be housed within a single

1 coral reef research center designated by the Admin-
2 istrator under paragraph (4) in the Atlantic and Pa-
3 cific basins, respectively, and may contract with
4 other coral reef research centers within the same
5 basin to support each institute's capacity and reach.

6 “(3) FUNCTIONS.—The institutes established
7 under paragraph (1) shall—

8 “(A) conduct federally directed research to
9 fill national and regional coral reef ecosystem
10 research gaps and improve understanding of,
11 and responses to, continuing and emerging
12 threats to the resilience of United States coral
13 reef ecosystems consistent with the national
14 coral reef resilience strategy in effect under sec-
15 tion 204A;

16 “(B) support ecological research and moni-
17 toring to study the effects of conservation and
18 restoration activities funded by this title on pro-
19 moting more effective coral reef management
20 and restoration; and

21 “(C) through agreements—

22 “(i) collaborate directly with govern-
23 mental resource management agencies,
24 coral reef stewardship partnerships, non-
25 profit organizations, and other coral reef

1 research centers designated under para-
2 graph (4);

3 “(ii) assist in the development and im-
4 plementation of—

5 “(I) the national coral reef resil-
6 ience strategy under section 204A;

7 “(II) coral reef action plans
8 under section 205; and

9 “(III) coral reef emergency plans
10 under section 209;

11 “(iii) build capacity within govern-
12 mental resource management agencies to
13 establish research priorities and translate
14 and apply research findings to manage-
15 ment and restoration practices; and

16 “(iv) conduct public education and
17 awareness programs for policymakers, re-
18 source managers, and the general public
19 on—

20 “(I) coral reefs and coral reef
21 ecosystems;

22 “(II) best practices for coral reef
23 ecosystem management and restora-
24 tion;

1 “(III) the value of coral reefs;

2 and

3 “(IV) the threats to the sustain-
4 ability of coral reef ecosystems.

5 “(4) CORAL REEF RESEARCH CENTERS.—

6 “(A) IN GENERAL.—The Administrator
7 shall periodically solicit applications and des-
8 ignate all qualifying institutions in a covered
9 State as coral reef research centers.

10 “(B) CRITERIA.—An institution qualifies
11 for designation as a coral reef research center
12 under subparagraph (A) if the Administrator
13 determines that the institution—

14 “(i) is operated by an institution of
15 higher education;

16 “(ii) has established management-
17 driven national or regional coral reef re-
18 search or restoration programs;

19 “(iii) has demonstrated abilities to co-
20 ordinate closely with appropriate Federal
21 and State agencies, as well as other aca-
22 demic and nonprofit organizations; and

23 “(iv) maintains significant local com-
24 munity engagement and outreach pro-
25 grams related to coral reef ecosystems.

1 “(d) USE OF RESOURCES OF OTHER AGENCIES.—

2 The Administrator may use, with consent and with or

3 without reimbursement, the land, services, equipment, per-

4 sonnel, and facilities of any agency or instrumentality of—

5 “(1) the United States;

6 “(2) any State or local government;

7 “(3) any Indian Tribe; or

8 “(4) any foreign government not subject to eco-
9 nomic sanctions imposed by the United States.

10 **“SEC. 216. CORAL REEF PRIZE COMPETITIONS.**

11 “(a) IN GENERAL.—The head of any Federal agency

12 with a representative serving on the U.S. Coral Reef Task

13 Force established by Executive Order 13089 (16 U.S.C.

14 6401 note; relating to coral reef protection), may, individ-

15 ually or in cooperation with one or more agencies, carry

16 out a program to award prizes competitively under section

17 24 of the Stevenson-Wydler Technology Innovation Act of

18 1980 (15 U.S.C. 3719).

19 “(b) PURPOSES.—Any program carried out under

20 this section shall be for the purpose of stimulating innova-

21 tion to advance the ability of the United States to under-

22 stand, research, or monitor coral reef ecosystems, or to

23 develop management or adaptation options to preserve,

24 sustain, and restore coral reef ecosystems.

1 “(c) PRIORITY PROGRAMS.—Priority shall be given to
2 establishing programs under this section that address
3 communities, environments, or industries that are in dis-
4 tress as a result of the decline or degradation of coral reef
5 ecosystems, including—

6 “(1) scientific research and monitoring that
7 furthers the understanding of causes behind coral
8 reef decline and degradation and the generally slow
9 recovery following disturbances;

10 “(2) the development of monitoring or manage-
11 ment options for communities or industries that are
12 experiencing significant financial hardship;

13 “(3) the development of adaptation options to
14 alleviate economic harm and job loss caused by dam-
15 age to coral reef ecosystems;

16 “(4) the development of measures to help vul-
17 nerable communities or industries, with an emphasis
18 on rural communities and businesses; and

19 “(5) the development of adaptation and man-
20 agement options for impacted tourism industries.

21 **“SEC. 217. AUTHORIZATION OF APPROPRIATIONS.**

22 “(a) IN GENERAL.—There is authorized to be appro-
23 priated to the Administrator \$38,000,000 for each of fis-
24 cal years 2022 through 2026 to carry out this title, which
25 shall remain available until expended.

1 “(b) ADMINISTRATION.—Of the amounts appro-
2 priated pursuant to the authorization of appropriations
3 under subsection (a), not more than the lesser of
4 \$1,500,000 or 10 percent may be used for program ad-
5 ministration or for overhead costs incurred by the Na-
6 tional Oceanic and Atmospheric Administration or the De-
7 partment of Commerce and assessed as an administrative
8 charge.

9 “(c) FEDERALLY DIRECTED RESEARCH AND CORAL
10 REEF CONSERVATION PROGRAM GRANTS.—From the
11 amounts authorized to be appropriated under subsection
12 (a), there shall be made available to the Administrator not
13 less than \$8,000,000 for each of fiscal years 2022 through
14 2026 to support purposes consistent with this title, of
15 which—

16 “(1) not less than \$3,500,000 shall be made
17 available for each such fiscal year for authorized ac-
18 tivities under section 213; and

19 “(2) not less than \$4,500,000 shall be made
20 available for each such fiscal year through coopera-
21 tive agreements with the cooperative institutes des-
22 ignated under section 215(c).

23 “(d) BLOCK GRANTS AND COOPERATIVE AGREE-
24 MENTS.—There is authorized to be appropriated to the
25 Administrator, \$15,000,000 for each of fiscal years 2022

1 through 2026, which shall remain available until ex-
2 pended, to carry out section 207.

3 **“SEC. 218. DEFINITIONS.**

4 “In this title:

5 “(1) ADMINISTRATOR.—The term ‘Adminis-
6 trator’ means the Administrator of the National
7 Oceanic and Atmospheric Administration.

8 “(2) APPROPRIATE CONGRESSIONAL COMMIT-
9 TEES.—The term ‘appropriate congressional com-
10 mittees’ means the Committee on Commerce,
11 Science, and Transportation of the Senate and the
12 Committee on Natural Resources of the House of
13 Representatives.

14 “(3) CONSERVATION.—The term ‘conservation’
15 means the use of methods and procedures necessary
16 to preserve or sustain geographically appropriate
17 corals and associated species as diverse, viable, and
18 self-perpetuating coral reef ecosystems with minimal
19 impacts from invasive species, including—

20 “(A) all activities associated with resource
21 management, such as monitoring, assessment,
22 protection, restoration, sustainable use, man-
23 agement of habitat, and maintenance or aug-
24 mentation of genetic diversity;

25 “(B) mapping;

1 “(C) scientific expertise and technical as-
2 sistance in the development and implementation
3 of management strategies for marine protected
4 areas and marine resources consistent with the
5 National Marine Sanctuaries Act (16 U.S.C.
6 1431 et seq.) and the Magnuson-Stevens Fish-
7 ery Conservation and Management Act (16
8 U.S.C. 1801 et seq.);

9 “(D) law enforcement;

10 “(E) conflict resolution initiatives;

11 “(F) community outreach and education;

12 and

13 “(G) promotion of safe and ecologically
14 sound navigation and anchoring.

15 “(4) CORAL.—The term ‘coral’ means species
16 of the phylum Cnidaria, including—

17 “(A) all species of the orders Antipatharia
18 (black corals), Scleractinia (stony corals),
19 Alcyonacea (soft corals, organ pipe corals,
20 gorgonians), and Helioporacea (blue coral), of
21 the class Anthozoa; and

22 “(B) all species of the order Anthoathecata
23 (fire corals and other hydrocorals) of the class
24 Hydrozoa.

1 “(5) CORAL PRODUCTS.—The term ‘coral prod-
2 ucts’ means any living or dead specimens, parts, or
3 derivatives, or any product containing specimens,
4 parts, or derivatives, of any species referred to in
5 paragraph (4).

6 “(6) CORAL REEF.—The term ‘coral reef’
7 means calcium carbonate structures in the form of
8 a reef or shoal, composed in whole or in part by liv-
9 ing coral, skeletal remains of coral, crustose coralline
10 algae, and other associated sessile marine plants and
11 animals.

12 “(7) CORAL REEF ECOSYSTEM.—The term
13 ‘coral reef ecosystem’ means—

14 “(A) corals and other geographically and
15 ecologically associated marine communities of
16 other reef organisms (including reef plants and
17 animals) associated with coral reef habitat; and

18 “(B) the biotic and abiotic factors and
19 processes that affect coral physiology, coral-
20 algal symbiosis, and biodiversity in such habi-
21 tat.

22 “(8) CORAL REEF ECOSYSTEM SERVICES.—The
23 term ‘coral reef ecosystem services’ means the at-
24 tributes and benefits provided by coral reef eco-
25 systems including—

1 “(A) protection of coastal beaches, struc-
2 tures, and infrastructure;

3 “(B) habitat for organisms of economic,
4 ecological, biomedical, medicinal, and cultural
5 value;

6 “(C) serving as centers for the promulga-
7 tion, performance, and training of cultural
8 practices representative of traditional ecological
9 knowledge; and

10 “(D) aesthetic value.

11 “(9) COVERED REEF MANAGER.—

12 “(A) IN GENERAL.—The term ‘covered
13 reef manager’ means a management unit of a
14 Federal agency specified in subparagraph (B)
15 with jurisdiction over a coral reef ecosystem,
16 covered State, or coral reef stewardship part-
17 nership.

18 “(B) FEDERAL AGENCIES SPECIFIED.—A
19 Federal agency specified in this subparagraph
20 is one of the following:

21 “(i) The National Oceanic and Atmos-
22 pheric Administration.

23 “(ii) The National Park Service.

24 “(iii) The United States Fish and
25 Wildlife Service.

1 “(iv) The Office of Insular Affairs.

2 “(10) COVERED STATE.—The term ‘covered
3 State’ means Florida, Hawaii, and the territories of
4 American Samoa, the Commonwealth of the North-
5 ern Mariana Islands, Guam, Puerto Rico, and the
6 United States Virgin Islands.

7 “(11) INDIAN TRIBE.—The term ‘Indian Tribe’
8 has the meaning given that term in section 4 of the
9 Indian Self-Determination and Education Assistance
10 Act (25 U.S.C. 5304).

11 “(12) INSTITUTION OF HIGHER EDUCATION.—
12 The term ‘institution of higher education’ has the
13 meaning given that term in section 101 of the High-
14 er Education Act of 1965 (20 U.S.C. 1001).

15 “(13) INTERESTED STAKEHOLDER GROUPS.—
16 The term ‘interested stakeholder groups’ includes
17 community members such as businesses, commercial
18 and recreational fishermen, other recreationalists,
19 Federal, State, Tribal, and local government units
20 with related jurisdiction, institutions of higher edu-
21 cation, and nongovernmental organizations.

22 “(14) NONPROFIT ORGANIZATION.—The term
23 ‘nonprofit organization’ means an organization that
24 is described in section 501(c) of the Internal Rev-

1 enue Code of 1986 and exempt from tax under sec-
2 tion 501(a) of such Code.

3 “(15) RESTORATION.—The term ‘restoration’
4 means the use of methods and procedures necessary
5 to enhance, rehabilitate, recreate, or create a func-
6 tioning coral reef or coral reef ecosystem, in whole
7 or in part, within suitable waters of the historical
8 geographic range of such ecosystems, to provide eco-
9 logical, economic, cultural, or coastal resiliency serv-
10 ices associated with healthy coral reefs and benefit
11 native populations of coral reef organisms.

12 “(16) RESILIENCE.—The term ‘resilience’
13 means the capacity for corals within their native
14 range, coral reefs, or coral reef ecosystems to resist
15 and recover from natural and human disturbances,
16 and maintain structure and function to provide coral
17 reef ecosystem services as determined by clearly
18 identifiable, measurable, and science-based stand-
19 ards.

20 “(17) STATE.—The term ‘State’ means—

21 “(A) any State of the United States that
22 contains a coral reef ecosystem within its sea-
23 ward boundaries;

1 “(B) American Samoa, the Commonwealth
2 of the Northern Mariana Islands, Guam, Puerto
3 Rico, or the United States Virgin Islands; or

4 “(C) any other territory or possession of
5 the United States or separate sovereign in free
6 association with the United States that contains
7 a coral reef ecosystem within its seaward
8 boundaries.

9 “(18) STEWARDSHIP.—The term ‘stewardship’,
10 with respect to a coral reef, includes conservation,
11 restoration, and public outreach and education.

12 “(19) TASK FORCE.—The term ‘Task Force’
13 means the United States Coral Reef Task Force es-
14 tablished under section 70501 of the America COM-
15 PETES Act of 2022.

16 “(20) TRIBAL ORGANIZATION.—The term ‘Trib-
17 al organization’ has the meaning given the term
18 ‘tribal organization’ in section 3765 of title 38,
19 United States Code.”.

20 (c) CONFORMING AMENDMENT TO NATIONAL
21 OCEANS AND COASTAL SECURITY ACT.—Section 905(a)
22 of the National Oceans and Coastal Security Act (16
23 U.S.C. 7504(a)) is amended by striking “and coastal in-
24 frastructure” and inserting “, coastal infrastructure, and

1 ecosystem services provided by natural systems such as
2 coral reefs”.

3 **SEC. 70402. MODIFICATION TO SECTION 204 OF THE CORAL**
4 **REEF CONSERVATION ACT OF 2000.**

5 Section 204 of the Coral Reef Conservation Act of
6 2000 (16 U.S.C. 6403) is amended—

7 (1) in subsection (a), by striking “this section”
8 and inserting “section 213”; and

9 (2) by striking subsections (c) through (j).

10 **TITLE V—UNITED STATES**
11 **CORAL REEF TASK FORCE**

12 **SEC. 70501. ESTABLISHMENT.**

13 There is established a task force to lead, coordinate,
14 and strengthen Federal Government actions to better pre-
15 serve, conserve, and restore coral reef ecosystems, to be
16 known as the “United States Coral Reef Task Force” (in
17 this title referred to as the “Task Force”).

18 **SEC. 70502. DUTIES.**

19 The duties of the Task Force shall be—

20 (1) to coordinate, in cooperation with State,
21 Tribal, and local government partners, coral reef re-
22 search centers designated under section 215(c) of
23 the Coral Reef Conservation Act of 2000 (as amend-
24 ed by this Act), and other nongovernmental and aca-
25 demic partners as appropriate, activities regarding

1 the mapping, monitoring, research, conservation,
2 mitigation, and restoration of coral reefs and coral
3 reef ecosystems;

4 (2) to monitor and advise regarding implemen-
5 tation of the policy and Federal agency responsibil-
6 ities set forth in—

7 (A) Executive Order 13089 (63 Fed. Reg.
8 32701; relating to coral reef protection); and

9 (B) the national coral reef resilience strat-
10 egy developed under section 204A of the Coral
11 Reef Conservation Act of 2000, as amended by
12 this Act;

13 (3) to work with the Secretary of State and the
14 Administrator of the United States Agency for
15 International Development, and in coordination with
16 the other members of the Task Force—

17 (A) to assess the United States role in
18 international trade and protection of coral spe-
19 cies;

20 (B) to encourage implementation of appro-
21 priate strategies and actions to promote con-
22 servation and sustainable use of coral reef re-
23 sources worldwide; and

24 (C) to collaborate with international com-
25 munities successful in managing coral reefs;

1 (4) to provide technical assistance for the devel-
2 opment and implementation, as appropriate, of—

3 (A) the national coral reef resilience strat-
4 egy under section 204A of the Coral Reef Con-
5 servation Act of 2000, as amended by this Act;

6 (B) coral reef action plans under section
7 205 of that Act; and

8 (C) coral reef emergency plans under sec-
9 tion 209 of that Act; and

10 (5) to produce a report each year, for submis-
11 sion to the appropriate congressional committees
12 and publication on a publicly available internet
13 website of the Task Force, highlighting the status of
14 the coral reef equities of a covered State on a rotat-
15 ing basis, including—

16 (A) a summary of recent coral reef man-
17 agement and restoration activities undertaken
18 in that State; and

19 (B) updated estimates of the direct and in-
20 direct economic activity supported by, and other
21 benefits associated with, those coral reef equi-
22 ties.

23 **SEC. 70503. MEMBERSHIP.**

24 (a) **VOTING MEMBERSHIP.**—The Task Force shall
25 have the following voting members:

1 (1) The Secretary of Commerce, acting through
2 the Administrator of the National Oceanic and At-
3 mospheric Administration, and the Secretary of the
4 Interior, who shall be co-chairs of the Task Force.

5 (2) The Administrator of the United States
6 Agency for International Development.

7 (3) The Secretary of Agriculture.

8 (4) The Secretary of Defense.

9 (5) The Secretary of the Army, acting through
10 the Assistant Secretary of the Army for Civil Works.

11 (6) The Secretary of Homeland Security, acting
12 through the Administrator of the Federal Emer-
13 gency Management Agency.

14 (7) The Commandant of the Coast Guard.

15 (8) The Attorney General.

16 (9) The Secretary of State.

17 (10) The Secretary of Transportation.

18 (11) The Administrator of the Environmental
19 Protection Agency.

20 (12) The Administrator of the National Aero-
21 nautics and Space Administration.

22 (13) The Director of the National Science
23 Foundation.

24 (14) The Governor, or a representative of the
25 Governor, of each covered State.

1 (b) NONVOTING MEMBERS.—The Task Force shall
2 have the following nonvoting members:

3 (1) A member appointed by the President of
4 the Federated States of Micronesia.

5 (2) A member appointed by the President of
6 the Republic of the Marshall Islands.

7 (3) A member appointed by the President of
8 the Republic of Palau.

9 **SEC. 70504. RESPONSIBILITIES OF FEDERAL AGENCY MEM-**
10 **BERS.**

11 (a) IN GENERAL.—A member of the Task Force
12 specified in paragraphs (1) through (14) of section
13 70503(a) shall—

14 (1) identify the actions of the agency that mem-
15 ber represents that may affect coral reef ecosystems;

16 (2) utilize the programs and authorities of that
17 agency to protect and enhance the conditions of such
18 ecosystems, including through the promotion of basic
19 and applied scientific research;

20 (3) collaborate with the Task Force to appro-
21 priately reflect budgetary needs for coral reef con-
22 servation and restoration activities in all agency
23 budget planning and justification documents and
24 processes; and

1 (4) engage in any other coordinated efforts ap-
2 proved by the Task Force.

3 (b) CO-CHAIRS.—In addition to their responsibilities
4 under subsection (a), the co-chairs of the Task Force shall
5 administer performance of the functions of the Task Force
6 and facilitate the coordination of the members of the Task
7 Force specified in paragraphs (1) through (14) of section
8 70503(a).

9 **SEC. 70505. WORKING GROUPS.**

10 (a) IN GENERAL.—The co-chairs of the Task Force
11 may establish working groups as necessary to meet the
12 goals and carry out the duties of the Task Force.

13 (b) REQUESTS FROM MEMBERS.—The members of
14 the Task Force may request that the co-chairs establish
15 a working group under subsection (a).

16 (c) PARTICIPATION BY NONGOVERNMENTAL ORGANI-
17 ZATIONS.—The co-chairs may allow nongovernmental or-
18 ganizations as appropriate, including academic institu-
19 tions, conservation groups, and commercial and rec-
20 reational fishing associations, to participate in a working
21 group established under subsection (a).

22 (d) NONAPPLICABILITY OF FEDERAL ADVISORY
23 COMMITTEE ACT.—The Federal Advisory Committee Act
24 (5 U.S.C. App.) shall not apply to working groups estab-
25 lished under this section.

1 **SEC. 70506. DEFINITIONS.**

2 In this title:

3 (1) APPROPRIATE CONGRESSIONAL COMMIT-
4 TEES.—The term “appropriate congressional com-
5 mittees” means the Committee on Commerce,
6 Science, and Transportation of the Senate and the
7 Committee on Natural Resources of the House of
8 Representatives.

9 (2) CONSERVATION, CORAL, CORAL REEF,
10 ETC.—The terms “conservation”, “coral”, “coral
11 reef”, “coral reef ecosystem”, “covered State”, “res-
12 toration”, “resilience”, and “State” have the mean-
13 ing given those terms in section 218 of the Coral
14 Reef Conservation Act of 2000, as amended by this
15 Act.

16 **TITLE VI—DEPARTMENT OF THE**
17 **INTERIOR CORAL REEF AU-**
18 **THORITIES**

19 **SEC. 70601. CORAL REEF CONSERVATION AND RESTORA-**
20 **TION ASSISTANCE.**

21 (a) IN GENERAL.—The Secretary of the Interior, in
22 addition to activities authorized under section 203 of the
23 Coral Reef Conservation Act of 2000, as amended by this
24 Act, may provide scientific expertise, technical assistance,
25 and financial assistance for the conservation and restora-
26 tion of coral reefs consistent with all applicable laws gov-

1 erving resource management in Federal, State, and Tribal
2 waters, including—

3 (1) the national coral reef resilience strategy in
4 effect under section 204A of the Coral Reef Con-
5 servation Act of 2000, as amended by this Act;

6 (2) coral reef action plans in effect under sec-
7 tion 205 of that Act, as applicable; and

8 (3) coral reef emergency plans in effect under
9 section 209 of that Act, as applicable.

10 (b) OFFICE OF INSULAR AFFAIRS CORAL REEF INI-
11 TIATIVE.—The Secretary may establish within the Office
12 of Insular Affairs a Coral Reef Initiative Program—

13 (1) to provide grant funding to support local
14 management, conservation, and protection of coral
15 reef ecosystems in—

16 (A) insular areas of covered States; and

17 (B) Freely Associated States;

18 (2) to complement the other conservation and
19 assistance activities conducted under this title; and

20 (3) to provide other technical, scientific, and fi-
21 nancial assistance and conduct conservation activi-
22 ties that advance the purpose of this title.

23 (c) CONSULTATION WITH THE DEPARTMENT OF
24 COMMERCE.—The Secretary of the Interior may consult
25 with the Secretary of Commerce regarding the conduct of

1 any activities to conserve and restore coral reefs and coral
2 reef ecosystems in waters managed under the jurisdiction
3 of the Federal agencies specified in paragraphs (2) and
4 (3) of section 203(c) of the Coral Reef Conservation Act
5 of 2000, as amended by this Act.

6 (d) COOPERATIVE AGREEMENTS.—The Secretary of
7 the Interior may enter into cooperative agreements with
8 covered reef managers to fund coral reef conservation and
9 restoration activities in waters managed under the juris-
10 diction of such managers that—

11 (1) are consistent with the national coral reef
12 resilience strategy in effect under section 204A of
13 the Coral Reef Conservation Act of 2000, as amend-
14 ed by this Act; and

15 (2) support and enhance the success of—

16 (A) coral reef action plans in effect under
17 section 205 of that Act; and

18 (B) coral reef emergency plans in effect
19 under section 209 of that Act.

20 (e) DEFINITIONS.—In this section, the terms “con-
21 servation”, “coral reef”, “covered reef manager”, “covered
22 State”, “restoration”, and “State” have the meaning
23 given those terms in section 218 of the Coral Reef Con-
24 servation Act of 2000, as amended by this Act.

1 (f) AUTHORIZATION OF APPROPRIATIONS.—There is
2 authorized to be appropriated to the Secretary to carry
3 out this title for each of fiscal years 2022 to 2026,
4 \$4,000,000.

5 **TITLE VII—SUSAN L. WILLIAMS**
6 **NATIONAL CORAL REEF MAN-**
7 **AGEMENT FELLOWSHIP**

8 **SEC. 70701. DEFINITIONS.**

9 In this title:

10 (1) ADMINISTRATOR.—The term “Adminis-
11 trator” means the Administrator of the National
12 Oceanic and Atmospheric Administration.

13 (2) FELLOW.—The term “fellow” means a Na-
14 tional Coral Reef Management Fellow.

15 (3) FELLOWSHIP.—The term “fellowship”
16 means the National Coral Reef Management Fellow-
17 ship established in section 70702.

18 (4) INDIAN TRIBE; TRIBAL ORGANIZATION.—
19 The terms “Indian Tribe” and “Tribal organiza-
20 tion” have the meanings given those terms in section
21 4 of the Indian Self-Determination and Education
22 Assistance Act (25 U.S.C. 5304).

23 **SEC. 70702. ESTABLISHMENT OF FELLOWSHIP PROGRAM.**

24 (a) IN GENERAL.—There is established a National
25 Coral Reef Management Fellowship Program.

1 (b) PURPOSES.—The purposes of the fellowship
2 are—

3 (1) to encourage future leaders of the United
4 States to develop additional coral reef management
5 capacity in States and local communities with coral
6 reefs;

7 (2) to provide management agencies of States,
8 Tribal organizations, and Freely Associated States
9 with highly qualified candidates whose education and
10 work experience meet the specific needs of each
11 State, Indian Tribe, and Freely Associated State;
12 and

13 (3) to provide fellows with professional experi-
14 ence in management of coastal and coral reef re-
15 sources.

16 **SEC. 70703. FELLOWSHIP AWARDS.**

17 (a) IN GENERAL.—The Administrator, in coordina-
18 tion with the Secretary of the Interior, shall award the
19 fellowship in accordance with this section.

20 (b) TERM OF FELLOWSHIP.—A fellowship awarded
21 under this section shall be for a term of not more than
22 24 months.

23 (c) QUALIFICATIONS.—The Administrator, in coordi-
24 nation with the Secretary of the Interior, shall award the
25 fellowship to individuals who have demonstrated—

- 1 (1) an intent to pursue a career in marine serv-
2 ices and outstanding potential for such a career;
- 3 (2) leadership potential, actual leadership expe-
4 rience, or both;
- 5 (3) a college or graduate degree in biological
6 science, experience that correlates with aptitude and
7 interest for marine management, or both;
- 8 (4) proficient writing and speaking skills; and
- 9 (5) such other attributes as the Administrator,
10 in coordination with the Secretary of the Interior,
11 consider appropriate.

12 **SEC. 70704. AUTHORIZATION OF APPROPRIATIONS.**

13 There are authorized to be appropriated to the Ad-
14 ministrator to carry out this title for each of fiscal years
15 2022–2026, \$1,500,000, to remain available until ex-
16 pended.

17 **TITLE VIII—BUY AMERICAN**
18 **SEAFOOD**

19 **SEC. 70801. SENSE OF CONGRESS.**

20 It is the sense of Congress that—

- 21 (1) American wild-caught seafood is integral to
22 the Nation’s food supply and to American food secu-
23 rity;
- 24 (2) the seafood supply chain is often long and
25 complex;

1 (3) American caught and American-processed
2 seafood especially from small-scale fishery oper-
3 ations, can be a sustainable healthy source of pro-
4 tein and micronutrients;

5 (4) fresh, frozen, dried, and canned domestic
6 seafood can be produced, processed, packaged, and
7 transported in a manner that has a low carbon foot-
8 print;

9 (5) marine species that are small, at lower
10 trophic levels, and pelagic typically have the smallest
11 carbon footprint; and

12 (6) therefore, any executive agency that pur-
13 chases seafood products should, to the extent prac-
14 ticable, buy local American-caught or American-har-
15 vested and American-processed seafood products
16 from fisheries that are not overfished or experi-
17 encing overfishing, in order to support sustainable
18 local seafood businesses, reduce greenhouse gas
19 emissions associated with the seafood product supply
20 chain, and reduce dependence on imported seafood
21 products.

22 **SEC. 70802. CAUGHT IN THE USA.**

23 Section 2(c)(1) of the Act of August 11, 1939 (15
24 U.S.C. 713c-3(c)(1)) is amended to read as follows:

1 “(1) The Secretary shall make grants from the
2 fund established under subsection (b) to—

3 “(A) assist persons in carrying out re-
4 search and development projects addressed to
5 any aspect of United States marine fisheries,
6 including harvesting, processing, packaging,
7 marketing, and associated infrastructures; or

8 “(B) assist persons to market and promote
9 the consumption of—

10 “(i) local or domestic marine fishery
11 products;

12 “(ii) environmentally and climate-
13 friendly marine fishery products that mini-
14 mize and employ efforts to avoid bycatch
15 and impacts on marine mammals;

16 “(iii) invasive species; or

17 “(iv) well-managed but less known
18 species.”.

19 **TITLE IX—INSULAR AFFAIRS**

20 **SEC. 70901. OCEAN AND COASTAL MAPPING INTEGRATION**

21 **ACT.**

22 Section 12204 of the Ocean and Coastal Mapping In-
23 tegration Act (33 U.S.C. 3503) is amended—

24 (1) in paragraph (12) by striking “and”;

1 (2) in paragraph (13) by striking the period at
2 the end and inserting “; and”; and

3 (3) by adding at the end the following:

4 “(14) the study of insular areas and the effects
5 of climate change.”.

6 **TITLE X—STUDIES AND**
7 **REPORTS**

8 **SEC. 71001. DEEP SEA MINING.**

9 Not later than 90 days after the date of the enact-
10 ment of this Act, the Secretary of Commerce, acting
11 through the Administrator of the National Oceanic and
12 Atmospheric Administration, shall seek to enter into an
13 agreement with the National Academies of Science, Engi-
14 neering, and Medicine to conduct a comprehensive assess-
15 ment of the environmental impacts of deep seabed mining,
16 including—

17 (1) characterization of deep seabed ecosystems;

18 (2) assessment of potential impacts to deep sea-
19 bed habitat and species from exploratory or extrac-
20 tive activities;

21 (3) assessment of the potential impacts of sedi-
22 ment plumes from disturbance of the deep seabed on
23 the pelagic food chain; and

24 (4) approximate quantification of the green-
25 house gas emissions associated with deep seabed

1 mining, including emissions possibly from the release
2 of greenhouse gases sequestered in the seabed.

3 **SEC. 71002. NATIONAL ACADEMIES ASSESSMENT OF OCE-**
4 **ANIC BLUE CARBON.**

5 Not later than 90 days after the date of the enact-
6 ment of this Act, the Secretary of Commerce, acting
7 through the Administrator of the National Oceanic and
8 Atmospheric Administration shall seek to enter into an
9 agreement with the National Academies of Science, Engi-
10 neering, and Medicine to conduct a comprehensive assess-
11 ment of oceanic blue carbon, including—

12 (1) the impacts of marine species decline on
13 carbon sequestration potential in ocean ecosystems,
14 an estimate of the global carbon dioxide mitigation
15 potential of protecting or recovering populations of
16 fish and marine mammals, and the ecological consid-
17 erations of such conservation strategies;

18 (2) an analysis of the geologic stores of carbon
19 and deep sea storage of dissolved carbon in the deep
20 seafloor environment, including current and poten-
21 tial natural long-term carbon storage, identification
22 of gaps in scientific understanding, observations,
23 and data regarding such geologic and deep sea car-
24 bon storage; and

1 (3) the potential impacts to oceanic blue carbon
2 storage by human activities including energy devel-
3 opment activities, deep sea mining, deep sea carbon
4 capture technology, and other disturbances to the
5 sea floor and gas hydrate disruption atop the sea-
6 bed.

7 **TITLE XI—MISCELLANEOUS**

8 **SEC. 71101. LAW ENFORCEMENT ATTACHE DEPLOYMENT.**

9 (a) IN GENERAL.—Beginning in fiscal year 2022, the
10 Secretary of the Interior, acting through the Director of
11 the United States Fish and Wildlife Service, in consulta-
12 tion with the Secretary of State, shall require the Chief
13 of Law Enforcement of the United States Fish and Wild-
14 life Service to hire, train, and deploy not fewer than 50
15 new United States Fish and Wildlife Service law enforce-
16 ment attaches, and appropriate additional support staff,
17 at one or more United States embassies, consulates, com-
18 mands, or other facilities—

19 (1) in one or more countries designated as a
20 focus country or a country of concern in the most
21 recent report submitted under section 201 of the
22 Eliminate, Neutralize, and Disrupt Wildlife Traf-
23 ficking Act of 2016 (16 U.S.C. 7621); and

24 (2) in such additional countries or regions, as
25 determined by the Secretary of Interior, that are

1 known or suspected to be a source of illegal trade of
2 species listed—

3 (A) as threatened species or endangered
4 species under the Endangered Species Act of
5 1973 (16 U.S.C. 1531 et seq.); or

6 (B) under appendix I of the Convention on
7 International Trade in Endangered Species of
8 Wild Fauna and Flora, done at Washington
9 March 3, 1973 (27 UST 1087; TIAS 8249).

10 (b) FUNDING.—There is authorized to be appro-
11 priated to carry out this section \$150,000,000 for each
12 of fiscal years 2022 through 2031.

13 **SEC. 71102. LACEY ACT AMENDMENTS.**

14 (a) IN GENERAL.—Section 42 of title 18, United
15 States Code, is amended—

16 (1) in subsection (a)(1)—

17 (A) in the first sentence, by striking “ship-
18 ment between the continental United States”
19 and inserting “transport between the States”;

20 (B) in the first sentence, strike “Hawaii,”;

21 (C) by inserting after the first sentence the
22 following: “Notwithstanding any other provision
23 of law, the Secretary of the Interior may pre-
24 scribe by regulation an emergency designation
25 prohibiting the importation of any species of

1 wild mammals, wild birds, fish (including mol-
2 lusks and crustacea), amphibians, or reptiles, or
3 the offspring or eggs of any such species, as in-
4 jurious to human beings, to the interests of ag-
5 riculture, horticulture, forestry, or to wildlife or
6 the wildlife resources of the United States, for
7 not more than 3 years, under this subsection, if
8 the Secretary of the Interior determines that
9 such regulation is necessary to address an im-
10 minent threat to human beings, to the interests
11 of agriculture, horticulture, forestry, or to wild-
12 life or the wildlife resources of the United
13 States. An emergency designation prescribed
14 under this subsection shall take effect imme-
15 diately upon publication in the Federal Reg-
16 ister, unless the Secretary of the Interior pre-
17 scribes an effective date that is not later than
18 60 days after the date of publication. During
19 the period during which an emergency designa-
20 tion prescribed under this subsection for a spe-
21 cies is in effect, the Secretary of the Interior
22 shall evaluate whether the species should be
23 designated as an injurious wildlife species under
24 the first sentence of this paragraph.”; and

1 (D) in subsection (b), inserting “know-
2 ingly” before “violates”; and

3 (2) by adding at the end the following:

4 “(d) PRESUMPTIVE PROHIBITION ON IMPORTA-
5 TION.—

6 “(1) IN GENERAL.—Importation into the
7 United States of any species of wild mammals, wild
8 birds, fish (including mollusks and crustacea), am-
9 phibians, or reptiles, or the offspring or eggs of any
10 such species, that is not native to the United States
11 and, as of the date of enactment of the America
12 COMPETES Act of 2022, is not prohibited under
13 subsection (a)(1), is prohibited, unless—

14 “(A) during the 1-year period preceding
15 the date of enactment of the America COM-
16 PETES Act of 2022, the species was, in more
17 than minimal quantities—

18 “(i) imported into the United States;

19 or

20 “(ii) transported between the States,
21 any territory of the United States, the Dis-
22 trict of Columbia, the Commonwealth of
23 Puerto Rico, or any possession of the
24 United States; or

1 “(B) the Secretary of the Interior deter-
2 mines, after an opportunity for public comment,
3 that the species does not pose a significant risk
4 of invasiveness to the United States and pub-
5 lishes a notice in the Federal Register of the
6 determination.

7 “(2) RULE OF CONSTRUCTION.—Nothing in
8 paragraph (1) shall be construed to limit the author-
9 ity of the Secretary of the Interior under subsection
10 (a)(1).”.

11 (b) CONFORMING AMENDMENTS.—Section 42(a) of
12 title 18, United States Code, is amended—

13 (1) in paragraph (2), by inserting “and sub-
14 section (d)” after “this subsection”;

15 (2) in paragraph (3)—

16 (A) by striking “the foregoing” and insert-
17 ing “paragraph (1) or subsection (d)”; and

18 (B) by striking “this Act” each place the
19 term appears and inserting “this section”;

20 (3) in paragraph (4), by inserting “or sub-
21 section (d)” after “this subsection”; and

22 (4) in paragraph (5)—

23 (A) by inserting “and subsection (d)” after
24 “this subsection”; and

1 (B) by striking “hereunder” and inserting
2 “under such provisions”.

3 (c) REGULATIONS; EFFECTIVE DATE.—

4 (1) REGULATIONS.—Not later than 1 year after
5 the date of enactment of this Act, the Secretary of
6 the Interior shall promulgate regulations to define
7 the term “minimal quantities” for purposes of sub-
8 section (d)(1)(A) of section 42 of title 18, United
9 States Code, as added by subsection (a)(2).

10 (2) EFFECTIVE DATE.—Subsection (d) of sec-
11 tion 42 of title 18, United States Code, as added by
12 subsection (a)(2), shall take effect on the date that
13 is 1 year after the date of enactment of this Act.

14 **SEC. 71103. SHARK FIN SALES ELIMINATION.**

15 (a) PROHIBITION ON SALE OF SHARK FINS.—

16 (1) PROHIBITION.—Except as provided in sub-
17 section (c), no person shall possess, acquire, receive,
18 transport, offer for sale, sell, or purchase shark fins
19 or products containing shark fins.

20 (2) PENALTY.—A violation of paragraph (1)
21 shall be treated as an act prohibited by section 307
22 of the Magnuson-Stevens Fishery Conservation and
23 Management Act (16 U.S.C. 1857) and shall be pe-
24 nalized pursuant to section 308 of that Act (16
25 U.S.C. 1858).

1 (b) EXCEPTIONS.—A person may possess a shark fin
2 that was taken lawfully under a State, territorial, or Fed-
3 eral license or permit to take or land sharks, if the shark
4 fin was separated after the first point of landing in a man-
5 ner consistent with the license or permit and is—

6 (1) destroyed or disposed of immediately upon
7 separation from the carcass;

8 (2) used for noncommercial subsistence pur-
9 poses in accordance with State or territorial law; or

10 (3) used solely for display or research purposes
11 by a museum, college, or university, or other person
12 under a State or Federal permit to conduct non-
13 commercial scientific research.

14 (c) DOGFISH.—

15 (1) IN GENERAL.—It shall not be a violation of
16 subsection (b) for any person to possess, acquire, re-
17 ceive, transport, offer for sale, sell, or purchase any
18 fresh or frozen unprocessed fin or tail from any
19 stock of the species *Mustelus canis* (smooth dogfish)
20 or *Squalus acanthias* (spiny dogfish).

21 (2) REPORT.—By not later than January 1,
22 2027, the Secretary of Commerce shall review the
23 exemption contained in paragraph (1) and shall pre-
24 pare and submit to Congress a report that includes
25 a recommendation on whether the exemption con-

1 tained in paragraph (1) should continue or be termi-
2 nated. In preparing such report and making such
3 recommendation, the Secretary shall analyze factors
4 including—

5 (A) the economic viability of dogfish fish-
6 eries with and without the continuation of the
7 exemption;

8 (B) the impact to ocean ecosystems of con-
9 tinuing or terminating the exemption;

10 (C) the impact on enforcement of the ban
11 contained in subsection (b) caused by the ex-
12 emption; and

13 (D) the impact of the exemption on shark
14 conservation.

15 (d) DEFINITION OF SHARK FIN.—In this section, the
16 term “shark fin” means—

17 (1) the unprocessed or dried or otherwise proc-
18 essed detached fin of a shark; or

19 (2) the unprocessed or dried or otherwise proc-
20 essed detached tail of a shark.

21 (e) ENFORCEMENT.—The provisions of this section,
22 and any regulations issued pursuant thereto, shall be en-
23 forced by the Secretary of Commerce. The Secretary may
24 use by agreement, with or without reimbursement, the per-
25 sonnel, services, equipment, and facilities of any other

1 Federal agency or any State agency or Indian Tribe for
2 purposes of enforcing this section.

3 (f) STATE AUTHORITY.—Nothing in this section may
4 be construed to preclude, deny, or limit any right of a
5 State or territory to adopt or enforce any regulation or
6 standard that is more stringent than a regulation or
7 standard in effect under this section.

8 (g) SEVERABILITY.—If any provision of this section
9 or its application to any person or circumstance is held
10 invalid, the invalidity does not affect other provisions or
11 applications of this section which can be given effect with-
12 out the invalid provision or application, and to this end
13 the provisions of this section are severable.

14 **DIVISION I—COMMITTEE ON**
15 **THE JUDICIARY**
16 **TITLE I—SUBCOMMITTEE ON**
17 **COURTS, INTELLECTUAL**
18 **PROPERTY, AND THE INTER-**
19 **NET**

20 **SEC. 80101. BASIC RESEARCH.**

21 Notwithstanding any other provision of law, each
22 agency that awards a Federal research grant shall not dis-
23 close, either publicly or privately, to an applicant for such
24 grant the identity of any member of the grant review panel
25 for such applicant.

1 **SEC. 80102. COLLECTION OF DEMOGRAPHIC INFORMATION**
2 **FOR PATENT INVENTORS.**

3 (a) AMENDMENT.—Chapter 11 of title 35, United
4 States Code, is amended by adding at the end the fol-
5 lowing:

6 **“§ 124. Collection of demographic information for**
7 **patent inventors**

8 “(a) VOLUNTARY COLLECTION.—The Director shall
9 provide for the collection of demographic information, in-
10 cluding gender, race, military or veteran status, and any
11 other demographic category that the Director determines
12 appropriate, related to each inventor listed with an appli-
13 cation for patent, that may be submitted voluntarily by
14 that inventor.

15 “(b) PROTECTION OF INFORMATION.—The Director
16 shall—

17 “(1) keep any information submitted under sub-
18 section (a) confidential and separate from the appli-
19 cation for patent; and

20 “(2) establish appropriate procedures to en-
21 sure—

22 “(A) the confidentiality of any information
23 submitted under subsection (a); and

24 “(B) that demographic information is not
25 made available to examiners or considered in
26 the examination of any application for patent.

1 “(c) RELATION TO OTHER LAWS.—

2 “(1) FREEDOM OF INFORMATION ACT.—Any
3 demographic information submitted under subsection
4 (a) shall be exempt from disclosure under section
5 552(b)(3) of title 5.

6 “(2) FEDERAL INFORMATION POLICY LAW.—
7 Subchapter I of chapter 35 of title 44 shall not
8 apply to the collection of demographic information
9 under subsection (a).

10 “(d) PUBLICATION OF DEMOGRAPHIC INFORMA-
11 TION.—

12 “(1) REPORT REQUIRED.—Not later than 1
13 year after the date of enactment of this section, and
14 not later than January 31 of each year thereafter,
15 the Director shall make publicly available a report
16 that, except as provided in paragraph (3)—

17 “(A) includes the total number of patent
18 applications filed during the previous year
19 disaggregated—

20 “(i) by demographic information de-
21 scribed in subsection (a); and

22 “(ii) by technology class number,
23 technology class title, country of residence
24 of the inventor, and State of residence of
25 the inventor in the United States;

1 “(B) includes the total number of patents
2 issued during the previous year disaggregated—

3 “(i) by demographic information de-
4 scribed in subsection (a); and

5 “(ii) by technology class number,
6 technology class title, country of residence
7 of the inventor, and State of residence of
8 the inventor in the United States; and

9 “(C) includes a discussion of the data col-
10 lection methodology and summaries of the ag-
11 gregate responses.

12 “(2) DATA AVAILABILITY.—In conjunction with
13 issuance of the report under paragraph (1), the Di-
14 rector shall make publicly available data based on
15 the demographic information collected under sub-
16 section (a) that, except as provided in paragraph
17 (3), allows the information to be cross-tabulated to
18 review subgroups.

19 “(3) PRIVACY.—The Director—

20 “(A) may not include personally identifying
21 information in—

22 “(i) the report made publicly available
23 under paragraph (1); or

24 “(ii) the data made publicly available
25 under paragraph (2); and

1 “(B) in making publicly available the re-
2 port under paragraph (1) and the data under
3 paragraph (2), shall anonymize any personally
4 identifying information related to the demo-
5 graphic information collected under subsection
6 (a).

7 “(e) BIENNIAL REPORT.—Not later than 2 years
8 after the date of enactment of this section, and every 2
9 years thereafter, the Director shall submit to Congress a
10 biennial report that evaluates the data collection process
11 under this section, ease of access to the information by
12 the public, and recommendations on how to improve data
13 collection.”.

14 (b) TECHNICAL AND CONFORMING AMENDMENT.—
15 The table of sections at the beginning of chapter 11 of
16 title 35, United States Code, is amended by adding at the
17 end the following:

 “124. Collection of demographic information for patent inventors.”.

18 **SEC. 80103. STOPPING HARMFUL OFFERS ON PLATFORMS**
19 **BY SCREENING AGAINST FAKES IN E-COM-**
20 **MERCE.**

21 (a) CONTRIBUTORY LIABILITY FOR ELECTRONIC
22 COMMERCE PLATFORMS.—Section 32 of the Act entitled
23 “An Act to provide for the registration and protection of
24 trademarks used in commerce, to carry out the provisions
25 of certain international conventions, and for other pur-

1 poses”, approved July 5, 1946 (commonly known as the
2 “Trademark Act of 1946”) (15 U.S.C. 1114), is amended
3 by adding at the end the following:

4 “(4)(A) An electronic commerce platform shall
5 be contributorily liable in a civil action under para-
6 graph (1) for a case in which a third-party seller
7 uses in commerce a counterfeit mark in connection
8 with the sale, offering for sale, distribution, or ad-
9 vertising of goods that implicate health and safety
10 on the platform, unless the platform demonstrates
11 that the platform took each of the following steps to
12 prevent such use on the platform before any infring-
13 ing act by the third-party seller:

14 “(i) Determined after a reasonable inves-
15 tigation, and reasonably periodically con-
16 firmed—

17 “(I) that the third-party seller des-
18 igned a registered agent in the United
19 States for service of process; or

20 “(II) in the case of third-party seller
21 located in the United States that has not
22 designated a registered agent under sub-
23 clause (I), that the third-party seller has
24 designated a verified address for service of
25 process in the United States.

1 “(ii) Verified through reliable documenta-
2 tion, including to the extent possible some form
3 of government-issued identification, the iden-
4 tity, principal place of business, and contact in-
5 formation of the third-party seller.

6 “(iii) Except as provided for in subpara-
7 graph (C), required the third-party seller to—

8 “(I) take reasonable steps to verify
9 the authenticity of goods on or in connec-
10 tion with which a registered mark is used;
11 and

12 “(II) attest to the platform that the
13 third-party seller has taken reasonable
14 steps under subclause (I) to verify the au-
15 thenticity of the goods.

16 “(iv) Imposed on the third-party seller as
17 a condition of participating on the platform
18 contractual requirements that—

19 “(I) the third-party seller agrees not
20 to use a counterfeit mark in connection
21 with the sale, offering for sale, distribu-
22 tion, or advertising of goods on the plat-
23 form;

24 “(II) the third-party seller consents to
25 the jurisdiction of United States courts

1 with respect to claims related to participa-
2 tion by the third-party seller on the plat-
3 form; and

4 “(III) the third-party seller designates
5 an agent for service of process in the
6 United States, or, in the case of third-
7 party seller located in the United States,
8 the third-party seller designates a verified
9 address for service of process in the United
10 States.

11 “(v) Displayed conspicuously on the plat-
12 form the verified principal place of business,
13 contact information, and identity of the third-
14 party seller, and the country from which the
15 goods were originally shipped from the third-
16 party seller, except the platform shall not be re-
17 quired to display any such information that
18 constitutes the personal identity of an indi-
19 vidual, a residential street address, or personal
20 contact information of an individual, and in
21 such cases shall instead provide alternative,
22 verified means of contacting the third-party
23 seller.

24 “(vi) Except as provided for in subpara-
25 graph (C), displayed conspicuously in each list-

1 ing the country of origin and manufacture of
2 the goods as identified by the third-party seller,
3 unless such information was not reasonably
4 available to the third-party seller and the third-
5 party seller has identified to the platform the
6 steps it undertook to identify the country of ori-
7 gin and manufacture of the goods and the rea-
8 sons it was unable to identify the same.

9 “(vii) Required each third-party seller to
10 use images that accurately depict the goods
11 sold, offered for sale, distributed, or advertised
12 on the platform.

13 “(viii) Implemented at no charge from the
14 platform to the registrant reasonable proactive
15 measures for screening goods before displaying
16 the goods to the public to prevent the use by
17 any third-party seller of a counterfeit mark in
18 connection with the sale, offering for sale, dis-
19 tribution, or advertising of goods on the plat-
20 form. The determination of whether proactive
21 measures are reasonable shall consider the size
22 and resources of a platform, the available tech-
23 nological and non-technological solutions at the
24 time of screening, the information provided by

1 the registrant to the platform, and any other
2 factor considered relevant by a court.

3 “(ix) Provided reasonably accessible elec-
4 tronic means by which a registrant and con-
5 sumer can notify the platform of suspected use
6 of a counterfeit mark.

7 “(x) Implemented at no charge from the
8 platform to the registrant a program to expedi-
9 tiously disable or remove from the platform any
10 listing for which a platform has reasonable
11 awareness of use of a counterfeit mark in con-
12 nection with the sale, offering for sale, distribu-
13 tion, or advertising of goods. Reasonable aware-
14 ness of use of a counterfeit mark may be in-
15 ferred based on information regarding the use
16 of a counterfeit mark on the platform generally,
17 general information about the third-party seller,
18 identifying characteristics of a particular list-
19 ing, or other circumstances as appropriate. A
20 platform may reinstate a listing disabled or re-
21 moved under this clause if, after an investiga-
22 tion, the platform reasonably determines that a
23 counterfeit mark was not used in the listing. A
24 reasonable decision to reinstate a listing shall

1 not be a basis for finding that a platform failed
2 to comply with this clause.

3 “(xi) Implemented a publicly available,
4 written policy that requires termination of a
5 third-party seller that reasonably has been de-
6 termined to have engaged in repeated use of a
7 counterfeit mark in connection with the sale, of-
8 fering for sale, distribution, or advertising of
9 goods on the platform. Use of a counterfeit
10 mark by a third-party seller in 3 separate list-
11 ings within 1 year typically shall be considered
12 repeated use, but a platform may allow a third-
13 party seller to remain active after repeated use
14 of a counterfeit mark when reasonable miti-
15 gating circumstances exist. The determination
16 of whether reasonable mitigating circumstances
17 exist shall consider the overall activity of the
18 third-party seller, efforts the third-party seller
19 has taken to cure supply-chain concerns, efforts
20 the third-party takes to resolve disputes once
21 notified of a concern, and any other factor con-
22 sidered relevant by a court. A platform may re-
23 instate a third-party seller if, after an investiga-
24 tion, the platform reasonably determines that
25 the third-party seller did not engage in repeated

1 use of a counterfeit mark or that reasonable
2 mitigating circumstances existed. A reasonable
3 decision to reinstate a third-party seller shall
4 not be a basis for finding that a platform failed
5 to comply with this clause.

6 “(xii) Implemented at no charge from the
7 platform to the registrant reasonable measures
8 for screening third-party sellers to ensure that
9 sellers who have been terminated do not rejoin
10 or remain on the platform under a different
11 seller identity or alias. The determination of
12 whether screening measures are reasonable
13 shall consider the size and resources of a plat-
14 form, the available technological and non-tech-
15 nological solutions at the time of screening, and
16 any other factor considered relevant by a court.

17 “(xiii) Provided a verified basis to contact
18 a third-party seller upon request by a registrant
19 that has a bona fide belief that the seller has
20 used a counterfeit mark in connection with the
21 sale, offering for sale, distribution, or adver-
22 tising of goods on the platform except that the
23 platform is not required to provide information
24 that constitutes the personal identity of an indi-
25 vidual, a residential street address, or personal

1 contact information of an individual (in such
2 case, the provider shall provide an alternative
3 means of contacting the third-party seller).

4 “(B)(i) This paragraph shall apply—

5 “(I) to an electronic commerce platform
6 that has sales on the platform in the previous
7 calendar year of not less than \$500,000; or

8 “(II) to an electronic commerce platform
9 with less than \$500,000 in sales in the previous
10 calendar year, 6 months after the platform has
11 received 10 notices, in aggregate, that qualify
12 under clause (ii).

13 “(ii) To count toward the aggregate 10-notice
14 threshold under clause (i)(II), a notice shall—

15 “(I) include a reference to this paragraph;

16 “(II) include an explicit notification of the
17 10-notice limit and the requirement of the plat-
18 form to publish the information in clause (iii);
19 and

20 “(III) identify a listing on the platform
21 that reasonably could be determined to have
22 used a counterfeit mark in connection with the
23 sale, offering for sale, distribution, or adver-
24 tising of goods that implicate health and safety.

1 “(iii) Not later than 1 month after the date on
2 which a platform described in clause(i)(II) receives
3 the first notice described under clause (ii), the plat-
4 form shall make publicly available an attestation
5 that the sales on the platform in the previous cal-
6 endar year were less than \$500,000 and an aggre-
7 gate count of the notices that qualify under clause
8 (ii). Such count shall be updated upon receipt of ad-
9 ditional notices.

10 “(C) Notwithstanding clauses (iii) and (vi) of
11 subparagraph (A), a platform is exempt from the re-
12 quirements of such clauses for goods, on or in con-
13 nection with which a registered mark is used, sold,
14 offered for sale, or advertised by a third-party seller
15 for less than \$5,000 if the third-party seller sells, of-
16 fers for sale, or advertises on the platform 5 or
17 fewer goods of the same type in connection with the
18 same mark in a 1-year period.

19 “(D) This paragraph may not be construed to
20 limit liability in contexts other than those described
21 in this paragraph, including any cause of action
22 available under any other provision of this Act, not-
23 withstanding that the same facts may give rise to a
24 claim under this paragraph.

1 “(E) With respect to fiscal year 2024, and each
2 fiscal year thereafter, the amounts in subparagraphs
3 (B) and (C) shall be increased each year by an
4 amount equal to the percentage increase, if any, in
5 the Consumer Price Index.

6 “(F) In this paragraph:

7 “(i) The term ‘counterfeit mark’ has the
8 meaning given that term in section 34(d)(1)(B).

9 “(ii) The term ‘electronic commerce plat-
10 form’ means any electronically accessed plat-
11 form that includes publicly interactive features
12 that allow for arranging the sale or purchase of
13 goods, or that enables a person other than an
14 operator of the platform to sell or offer to sell
15 physical goods to consumers located in the
16 United States.

17 “(iii) The term ‘goods that implicate
18 health and safety’ means goods the use of
19 which can lead to illness, disease, injury, serious
20 adverse event, allergic reaction, or death if pro-
21 duced without compliance with all applicable
22 Federal, State, and local health and safety reg-
23 ulations and industry-designated testing, safety,
24 quality, certification, manufacturing, packaging,
25 and labeling standards.

1 “(iv) The term ‘third-party seller’ means a
2 person other than the electronic commerce plat-
3 form that uses the platform to arrange for the
4 sale or purchase of goods.”.

5 (b) MATERIAL MISREPRESENTATIONS IN TAKE-
6 DOWN NOTICES.—

7 (1) AMENDMENT.—The Act entitled “An Act to
8 provide for the registration and protection of trade-
9 marks used in commerce, to carry out the provisions
10 of certain international conventions, and for other
11 purposes”, approved July 5, 1946 (commonly known
12 as the “Trademark Act of 1946”) is amended by in-
13 serting after section 32 (15 U.S.C. 1114), the fol-
14 lowing new section:

15 **“SEC. 32A. MATERIAL MISREPRESENTATIONS IN TAKE-**
16 **DOWN NOTICES.**

17 “(a) CIVIL LIABILITY.—Any person who knowingly
18 makes any material misrepresentation in a notice to an
19 electronic commerce platform that a counterfeit mark was
20 used in a listing by a third party seller for goods that
21 implicate health and safety shall be liable in a civil action
22 for damages by the third-party seller that is injured by
23 such misrepresentation, as the result of the electronic
24 commerce platform relying upon such misrepresentation

1 to remove or disable access to the listing, including tem-
2 porary removal or disablement.

3 “(b) ACTION BY ELECTRONIC COMMERCE PLAT-
4 FORM.—

5 “(1) AUTHORITY TO BRING ACTION.—If a
6 third-party seller who otherwise could bring an ac-
7 tion under subsection (a), consents and declines to
8 file suit, an electronic commerce platform may bring
9 an action under subsection (a) against a person who
10 knowingly made a material misrepresentation in 10
11 or more notices to the platform alleging that a coun-
12 terfeit mark was used in a listing by a third party
13 seller for goods that implicate health and safety.

14 “(2) CONSENT BY THIRD-PARTY SELLER RE-
15 QUIRED.—Consent shall be obtained in writing from
16 each third-party seller to which the notices covered
17 by the civil action were directed.

18 “(3) CONTENTS OF CONSENT.—The consent by
19 a third-party seller shall be made in specific ref-
20 erence to a particular notice after the notice has
21 been filed with the electronic commerce platform and
22 removal or disablement has occurred.

23 “(c) STATUTORY DAMAGES.—Any person who brings
24 a claim under this section may elect, at any time before
25 final judgment is rendered by the trial court, to recover,

1 instead of actual damages, statutory damages in the
2 amount of—

3 “(1) not less than \$2,500 or more than
4 \$15,000 per notice containing a knowing, material
5 misrepresentation; or

6 “(2) if aggravating circumstances exist, not less
7 than \$15,000 or more than \$75,000 per notice con-
8 taining a knowing, material misrepresentation.

9 “(d) DEFINITIONS.—In this section:

10 “(1) COUNTERFEIT MARK.—The term ‘counter-
11 feit mark’ has the meaning given that term in sec-
12 tion 34(d)(1)(B).

13 “(2) ELECTRONIC COMMERCE PLATFORM;
14 GOODS THAT IMPLICATE HEALTH AND SAFETY;
15 THIRD-PARTY SELLER.—The terms ‘electronic com-
16 merce platform’, ‘goods that implicate health and
17 safety’, and ‘third-party seller’ have the meaning
18 given those terms in section 32(4)(F).”.

19 (2) TECHNICAL AND CONFORMING AMEND-
20 MENT.—Section 35(a) of the Act entitled “An Act to
21 provide for the registration and protection of trade-
22 marks used in commerce, to carry out the provisions
23 of certain international conventions, and for other
24 purposes”, approved July 5, 1946 (commonly known
25 as the “Trademark Act of 1946”) (15 U.S.C.

1 1117(a)) is amended by inserting after “under sec-
2 tion 43(a) or (d),” the following: “a violation under
3 subsection (a) or (b) of section 32A,”.

4 (c) EFFECTIVE DATE.—This section, and the amend-
5 ments made by this section, shall take effect on the date
6 that is 1 year after the date of the enactment of this Act.

7 **TITLE II—SUBCOMMITTEE ON**
8 **ANTITRUST, COMMERCIAL**
9 **AND ADMINISTRATIVE LAW**

10 **SEC. 80201. PREMERGER NOTIFICATION FILING FEES.**

11 Section 605 of Public Law 101–162 (15 U.S.C. 18a
12 note) is amended—

13 (1) in subsection (b)—

14 (A) in paragraph (1)—

15 (i) by striking “\$45,000” and insert-
16 ing “\$30,000”;

17 (ii) by striking “\$100,000,000” and
18 inserting “\$161,500,000”;

19 (iii) by striking “2004” and inserting
20 “2022”; and

21 (iv) by striking “2003” and inserting
22 “2021”;

23 (B) in paragraph (2)—

24 (i) by striking “\$125,000” and insert-
25 ing “\$100,000”;

1 (ii) by striking “\$100,000,000” and
2 inserting “\$161,500,000”;

3 (iii) by striking “but less” and insert-
4 ing “but is less”; and

5 (iv) by striking “and” at the end;

6 (C) in paragraph (3)—

7 (i) by striking “\$280,000” and insert-
8 ing “\$250,000”; and

9 (ii) by striking the period at the end
10 and inserting “but is less than
11 \$1,000,000,000 (as so adjusted and pub-
12 lished);”; and

13 (D) by adding at the end the following:

14 “(4) \$400,000 if the aggregate total amount
15 determined under section 7A(a)(2) of the Clayton
16 Act (15 U.S.C. 18a(a)(2)) is not less than
17 \$1,000,000,000 (as so adjusted and published) but
18 is less than \$2,000,000,000 (as so adjusted and
19 published);

20 “(5) \$800,000 if the aggregate total amount
21 determined under section 7A(a)(2) of the Clayton
22 Act (15 U.S.C. 18a(a)(2)) is not less than
23 \$2,000,000,000 (as so adjusted and published) but
24 is less than \$5,000,000,000 (as so adjusted and
25 published); and

1 “(6) \$2,250,000 if the aggregate total amount
2 determined under section 7A(a)(2) of the Clayton
3 Act (15 U.S.C. 18a(a)(2)) is not less than
4 \$5,000,000,000 (as so adjusted and published).”;
5 and

6 (2) by adding at the end the following:

7 “(c)(1) For each fiscal year commencing after Sep-
8 tember 30, 2022, the filing fees in this section shall be
9 increased each year by an amount equal to the percentage
10 increase, if any, in the Consumer Price Index, as deter-
11 mined by the Department of Labor or its successor, for
12 the year then ended over the level so established for the
13 year ending September 30, 2021.

14 “(2) As soon as practicable, but not later than Janu-
15 ary 31 of each year, the Federal Trade Commission shall
16 publish the adjusted amounts required by paragraph (1).

17 “(3) The Federal Trade Commission shall not adjust
18 amounts required by paragraph (1) if the percentage in-
19 crease described in paragraph (1) is less than 1 percent.

20 “(4) An amount adjusted under this section shall be
21 rounded to the nearest multiple of \$5,000.”.

22 **SEC. 80202. AUTHORIZATION OF APPROPRIATIONS.**

23 There is authorized to be appropriated for fiscal year
24 2022—

1 (1) \$252,000,000 for the Antitrust Division of
2 the Department of Justice; and

3 (2) \$418,000,000 for the Federal Trade Com-
4 mission.

5 **TITLE III—IMMIGRATION**
6 **PROVISIONS**

7 **SEC. 80301. W VISAS.**

8 Section 101(a)(15) of the Immigration and Nation-
9 ality Act (8 U.S.C. 1101(a)(15)) is amended—

10 (1) in subparagraph (U)(iii), by striking “or”
11 at the end;

12 (2) in subparagraph (V)(ii)(II), by striking the
13 period at the end and inserting “; or”; and

14 (3) by adding at the end the following:

15 “(W) subject to—

16 “(i) section 218A(a), an alien who is
17 an entrepreneur with an ownership interest
18 in a start-up entity;

19 “(ii) section 218A(b), an alien who is
20 or will be an essential employee of a start-
21 up entity; or

22 “(iii) section 218A(c), the spouse or
23 child of an alien described in clause (i) or
24 (ii) who is accompanying, or following to
25 join, the alien.”.

1 **SEC. 80302. START-UP ENTITIES; NONIMMIGRANT ENTRE-**
2 **PRENEURS AND EMPLOYEES.**

3 (a) IN GENERAL.—Chapter 2 of title II of the Immi-
4 gration and Nationality Act (8 U.S.C. 1181 et seq.) is
5 amended by inserting after section 218 the following:

6 **“SEC. 218A. START-UP ENTITIES; ADMISSION OF NON-**
7 **IMMIGRANT ENTREPRENEURS AND EMPLOY-**
8 **EES.**

9 “(a) NONIMMIGRANT ENTREPRENEURS.—

10 “(1) IN GENERAL.—

11 “(A) PROCEDURES.—The Secretary shall
12 establish procedures for an alien to obtain non-
13 immigrant status under section
14 101(a)(15)(W)(i). Such procedures shall include
15 a petition filed by the alien that shall be ap-
16 proved by the Secretary before a visa may be
17 granted. The petition shall be in such form and
18 contain such information as the Secretary shall
19 prescribe, except that, in the case of an alien
20 seeking a change of nonimmigrant classifica-
21 tion, the petition shall include an option to re-
22 quest such a change.

23 “(B) REQUIRED ELEMENTS.—The Sec-
24 retary may approve a petition under subpara-
25 graph (A) if the Secretary determines that—

1 “(i) the alien possesses an ownership
2 interest in a start-up entity of not less
3 than 10 percent;

4 “(ii) the alien will play a central and
5 active role in the management or oper-
6 ations of the start-up entity;

7 “(iii) the alien possesses the knowl-
8 edge, skills, or experience to substantially
9 assist the start-up entity with the growth
10 and success of its business; and

11 “(iv) subject to paragraph (4), the
12 start-up entity, during the 18-month pe-
13 riod preceding the filing of the petition, re-
14 ceived—

15 “(I) at least \$250,000 in quali-
16 fying investments from one or more
17 qualified investors; or

18 “(II) at least \$100,000 in quali-
19 fying government awards or grants.

20 “(C) DURATION.—Status under section
21 101(a)(15)(W)(i) shall be valid for an initial pe-
22 riod of 3 years and may be extended thereafter
23 in accordance with this subsection.

24 “(2) 3-YEAR EXTENSION ELIGIBILITY CRI-
25 TERIA.—The Secretary may approve a petition to

1 extend the initial status of an alien as a non-
2 immigrant under section 101(a)(15)(W)(i) for an
3 additional 3-year period, if the Secretary determines
4 that—

5 “(A) the alien—

6 “(i) possesses an ownership interest of
7 not less than 5 percent in the start-up en-
8 tity that formed the basis for the alien’s
9 initial petition for status as a non-
10 immigrant under section 101(a)(15)(W)(i);
11 and

12 “(ii) will continue to play a central
13 and active role in the management or oper-
14 ations of the start-up entity; and

15 “(B) subject to paragraph (4), during the
16 alien’s initial period of status as a non-
17 immigrant under section 101(a)(15)(W)(i), the
18 start-up entity—

19 “(i) received at least \$500,000 in ad-
20 ditional qualifying investments from one or
21 more qualified investors, qualifying govern-
22 ment awards or grants, or a combination
23 of such funding;

24 “(ii) created at least 5 qualified jobs;

25 or

1 “(iii) generated not less than
2 \$500,000 in annual revenue in the United
3 States and averaged 20 percent in annual
4 revenue growth.

5 “(3) ADDITIONAL EXTENSIONS IN 1-YEAR IN-
6 CREMENTS.—With respect to an alien whose status
7 as a nonimmigrant under section 101(a)(15)(W)(i)
8 was extended under paragraph (2), the Secretary
9 may approve not more than 2 additional petitions to
10 further extend such status in 1-year increments if
11 the Secretary determines that—

12 “(A) the alien—

13 “(i) possesses an ownership interest in
14 the start-up entity that formed the basis
15 for the alien’s initial petition for status as
16 a nonimmigrant under section
17 101(a)(15)(W)(i); and

18 “(ii) will continue to play a central
19 and active role in the management or oper-
20 ations of the start-up entity; and

21 “(B) the start-up entity has made substan-
22 tial progress in satisfying the criteria under
23 paragraphs (2) and (3) of section 218B(c) and
24 is reasonably expected to satisfy such require-
25 ments within the 1-year period following the ex-

1 piration of the alien’s status as a nonimmigrant
2 under section 101(a)(15)(W)(i).

3 “(4) OTHER COMPARABLE EVIDENCE.—If a
4 start-up entity partially meets one or more of the
5 criteria described in paragraph (1)(B)(iv) or (2)(B),
6 and the Secretary determines, based on other reli-
7 able and compelling evidence, that the start-up enti-
8 ty has substantial potential for rapid growth and job
9 creation, the Secretary may grant the applicable pe-
10 tition.

11 “(5) REPORTING OF MATERIAL CHANGES.—

12 “(A) IN GENERAL.—An alien with status
13 under section 101(a)(15)(W)(i) shall imme-
14 diately notify the Secretary in writing, in ac-
15 cordance with procedures established by the
16 Secretary, if he or she will no longer play a cen-
17 tral and active role in the management or oper-
18 ations of the start-up entity or ceases to possess
19 a qualifying ownership interest in the start-up
20 entity.

21 “(B) QUALIFYING OWNERSHIP INTER-
22 EST.—For purposes of subparagraph (A), the
23 alien will cease to possess a qualifying owner-
24 ship interest in the start-up entity if—

1 “(i) during the initial 3-year period of
2 status described in paragraph (1), the
3 alien’s ownership interest falls below 5 per-
4 cent; or

5 “(ii) during a period of status de-
6 scribed in paragraph (2) or (3), the alien
7 ceases to maintain any ownership interest.

8 “(6) CLARIFICATION.—With respect to an alien
9 who establishes a qualifying ownership interest de-
10 scribed in paragraph (1)(B)(i) in a start-up entity
11 and is otherwise eligible for status under section
12 101(a)(15)(W)(i) based on such ownership, any time
13 previously spent in such status with a different
14 start-up entity shall not render the alien ineligible to
15 be granted such status in accordance with this sub-
16 section.

17 “(b) NONIMMIGRANT ESSENTIAL EMPLOYEES.—

18 “(1) IN GENERAL.—The Secretary shall estab-
19 lish procedures for a start-up entity that serves as
20 the basis for an approved petition under subsection
21 (a) to file a petition to grant an alien status as a
22 nonimmigrant under section 101(a)(15)(W)(ii). Sta-
23 tus under such section shall be valid for an initial
24 period of 3 years. The Secretary may approve an ini-

1 tial petition under this paragraph if the Secretary
2 determines that the alien—

3 “(A) has an offer from the start-up entity
4 for employment in an executive capacity or
5 managerial capacity; and

6 “(B) possesses knowledge, skills, or experi-
7 ence that are essential to the growth and suc-
8 cess of the start-up entity.

9 “(2) NUMERICAL LIMITATIONS.—The number
10 of aliens with status under section 101(a)(15)(W)(ii)
11 who may be employed by a start-up entity at any
12 one time may not exceed—

13 “(A) 2 such aliens if such entity has 10 or
14 fewer full-time employees in the United States;

15 “(B) 3 such aliens if such entity has at
16 least 11 and not more than 30 full-time employ-
17 ees in the United States;

18 “(C) 4 such aliens if such entity has at
19 least 31 and not more than 70 full-time employ-
20 ees in the United States; and

21 “(D) 5 such aliens if such entity has more
22 than 70 full-time employees in the United
23 States.

24 “(3) 3-YEAR EXTENSION.—The Secretary may
25 approve a petition to extend the status of an alien

1 as a nonimmigrant under section 101(a)(15)(W)(ii)
2 for one additional 3-year period if the Secretary de-
3 termines that the alien continues to meet the criteria
4 described in paragraph (1).

5 “(4) TERMINATION OF ELIGIBILITY TO PETI-
6 TION FOR W-2 NONIMMIGRANTS.—A start-up entity’s
7 eligibility to submit new petitions for aliens under
8 paragraph (1) shall terminate on the date on which
9 the start-up entity no longer serves as the basis for
10 status of any nonimmigrant under section
11 101(a)(15)(W)(i).

12 “(c) SPOUSES AND CHILDREN.—

13 “(1) IN GENERAL.—A spouse or children ac-
14 companying or following to join a principal alien
15 with status as a nonimmigrant under clause (i) or
16 (ii) of section 101(a)(15)(W) shall be entitled to sta-
17 tus as a nonimmigrant under clause (iii) of such sec-
18 tion.

19 “(2) EMPLOYMENT AUTHORIZATION.—In the
20 case of an alien spouse with status as a non-
21 immigrant under section 101(a)(15)(W)(iii), the
22 Secretary shall authorize such spouse to engage in
23 employment in the United States and provide the
24 spouse with an ‘employment authorized’ endorse-
25 ment or other appropriate work permit.

1 “(d) TERMINATION OF NONIMMIGRANT STATUS.—

2 “(1) IN GENERAL.—The Secretary shall provide
3 written notice to an alien admitted or otherwise
4 granted status as a nonimmigrant under clause (i)
5 or (ii) of section 101(a)(15)(W) of the Secretary’s
6 intent to terminate such status if the Secretary has
7 reasonable grounds to believe that—

8 “(A) the facts or information contained in
9 the petition for such status were not true and
10 accurate;

11 “(B) the alien failed to timely file or other-
12 wise comply with the material change reporting
13 requirement in subsection (a)(5), if applicable;
14 or

15 “(C) the petition was erroneously granted.

16 “(2) NOTICE AND DECISION.—A notice of in-
17 tent to terminate issued under paragraph (1) shall
18 identify the grounds for termination and provide at
19 least 60 days for the alien to submit rebuttal evi-
20 dence.

21 “(e) DUAL INTENT.—Notwithstanding section
22 214(b), an alien may obtain a visa or be granted status
23 under section 101(a)(15)(W) even if such alien intends to
24 seek lawful permanent resident status in the United
25 States.

1 “(f) DEFINITIONS.—In this section:

2 “(1) FULL-TIME EMPLOYEE.—The term ‘full-
3 time employee’ means an individual performing serv-
4 ices in a position that requires a minimum of 35
5 working hours per week, and does not include inde-
6 pendent contractors or combinations of part-time
7 employees.

8 “(2) QUALIFIED INVESTOR.—

9 “(A) IN GENERAL.—Except as provided in
10 subparagraph (B) and consistent with subpara-
11 graph (C), the term ‘qualified investor’
12 means—

13 “(i) an individual who is a United
14 States citizen or lawful permanent resident
15 of the United States; or

16 “(ii) an organization that is located in
17 the United States and operates through a
18 legal entity that has its principal place of
19 business in the United States, that is ma-
20 jority owned and controlled by United
21 States citizens or lawful permanent resi-
22 dents of the United States,

23 which individual or organization regularly
24 makes substantial investments in start-up enti-

1 ties that subsequently exhibit substantial
2 growth in revenue generation or job creation.

3 “(B) EXCEPTIONS.—The term ‘qualified
4 investor’ does not include an individual or orga-
5 nization that has been—

6 “(i) permanently or temporarily en-
7 joined from participating in the offer or
8 sale of a security or in the provision of
9 services as an investment adviser, broker,
10 dealer, municipal securities dealer, govern-
11 ment securities broker, government securi-
12 ties dealer, bank, transfer agent or credit
13 rating agency;

14 “(ii) barred from association with any
15 entity involved in the offer or sale of secu-
16 rities or the provision of such services; or

17 “(iii) otherwise found to have partici-
18 pated in the offer or sale of securities or
19 the provision of such services in violation
20 of law.

21 “(C) SUBSTANTIAL INVESTMENT HIS-
22 TORY.—An individual or organization shall be
23 considered to regularly make substantial invest-
24 ments in start-up entities that subsequently ex-

1 hibit substantial growth in revenue generation
2 or job creation if—

3 “(i) during the preceding 5 years, the
4 individual or organization invested a total
5 of not less than \$600,000 in start-up enti-
6 ties in exchange for equity, convertible
7 debt, or other security convertible into eq-
8 uity commonly used in financing trans-
9 actions within their respective industries;
10 and

11 “(ii) subsequent to such investment,
12 at least 2 such entities each created at
13 least 5 qualified jobs or generated at least
14 \$500,000 in revenue with average
15 annualized revenue growth of at least 20
16 percent.

17 “(3) QUALIFIED JOB.—The term ‘qualified job’
18 means a job located in the United States that re-
19 quires a minimum of 35 working hours per week
20 that has been filled for at least 1 year by one or
21 more qualifying employees.

22 “(4) QUALIFYING EMPLOYEE.—The term
23 ‘qualifying employee’ means a United States citizen,
24 a lawful permanent resident, or other immigrant
25 lawfully authorized to be employed in the United

1 States. Such term does not include independent con-
2 tractors, nonimmigrant entrepreneurs or essential
3 start-up employees of the start-up entity, or the par-
4 ents, spouses, brothers, sisters, sons, or daughters of
5 such nonimmigrant entrepreneurs.

6 “(5) QUALIFYING GOVERNMENT AWARD OR
7 GRANT.—The term ‘qualifying government award or
8 grant’ means an award or grant for economic devel-
9 opment, research and development, or job creation
10 (or other similar monetary award typically given to
11 start-up entities) made by a Federal, State, or local
12 government entity (not including foreign government
13 entities) that regularly provides such awards or
14 grants to start-up entities. The term does not in-
15 clude any contractual commitment for goods or serv-
16 ices.

17 “(6) QUALIFYING INVESTMENT.—

18 “(A) IN GENERAL.—The term ‘qualifying
19 investment’ means an investment of lawfully de-
20 rived capital made in good faith in a start-up
21 entity that is a purchase from such entity of its
22 equity, convertible debt, or other security con-
23 vertible into its equity that is or becomes com-
24 monly used in financing transactions within
25 such entity’s industry.

1 “(B) EXCLUSIONS.—The term ‘qualifying
2 investment’ does not include a direct or indirect
3 investment from an alien seeking status under
4 section 101(a)(15)(W), the parent, spouse,
5 brother, sister, son, or daughter of such an
6 alien, or any corporation, limited liability com-
7 pany, partnership, or other entity in which such
8 entrepreneur or the parents, spouse, brother,
9 sister, son, or daughter of such entrepreneur
10 has any direct or indirect ownership interest.

11 “(7) SECRETARY.—The term ‘Secretary’ means
12 the Secretary of Homeland Security.

13 “(8) START-UP ENTITY.—The term ‘start-up
14 entity’ means a United States business entity that
15 has lawfully conducted business during any period of
16 operation since its formation, and that was formed
17 within the 5-year period immediately preceding the
18 date the alien files a petition for classification under
19 section 101(a)(15)(W)(i).

20 “(9) UNITED STATES BUSINESS ENTITY.—The
21 term ‘United States business entity’ means any cor-
22 poration, limited liability company, partnership, or
23 other entity that is organized under Federal law or
24 the laws of any State, and that conducts business in
25 the United States, that is not an investment vehicle

1 primarily engaged in the offer, purchase, sale or
2 trading of securities, futures contracts, derivatives or
3 similar instruments.

4 **“SEC. 218B. ADMISSION OF IMMIGRANT ENTREPRENEURS.**

5 “(a) IN GENERAL.—The Secretary shall establish
6 procedures for an alien who is eligible under subsection
7 (c) to petition for classification as an immigrant entre-
8 preneur.

9 “(b) EXCLUSION FROM NUMERICAL LIMITATIONS.—
10 An alien classified as an immigrant entrepreneur under
11 this section, and the spouse and children of such alien,
12 shall be immediately eligible for immigrant visas and such
13 visas shall not be subject to or counted against the numer-
14 ical limitations under section 201, 202, or 203.

15 “(c) ELIGIBILITY CRITERIA.—The Secretary may ap-
16 prove a petition filed by an alien for classification as an
17 immigrant entrepreneur under this section if the Secretary
18 determines that—

19 “(1) the alien—

20 “(A) is present in the United States and
21 has maintained status as a nonimmigrant under
22 section 101(a)(15)(W)(i) or another non-
23 immigrant status pursuant to which the alien is
24 employed by a start-up entity (as such term is
25 defined in section 218A(f)(8));

1 “(B) has maintained an ownership interest
2 in the start-up entity since its formation; and

3 “(C) plays an active and central role in the
4 management or operations of the start-up enti-
5 ty;

6 “(2) the start-up entity has created at least 10
7 qualified jobs (as such term is defined in section
8 218A(f)(3)); and

9 “(3) the start-up entity has—

10 “(A) received not less than a total of
11 \$1,250,000 in qualifying investments, quali-
12 fying government grants or awards, or a com-
13 bination of such funding; or

14 “(B) generated not less than \$1,000,000
15 in annual revenue in the United States in the
16 2-year period preceding the filing of the peti-
17 tion.

18 “(d) IMMIGRANT VISA PROCESSING OR ADJUSTMENT
19 OF STATUS.—An alien classified as an immigrant entre-
20 preneur under this section, and the spouse and children
21 of such alien, may apply for an immigrant visa in accord-
22 ance with the procedures described in section 221 or for
23 adjustment of status under section 245 if such individuals
24 are otherwise eligible for adjustment of status.

1 **“SEC. 218C. INFLATION ADJUSTMENT; FEES.**

2 “(a) INFLATION ADJUSTMENT.—The Secretary may
3 adjust the monetary amounts described in paragraphs
4 (1)(B)(iv) and (2)(B) of section 218A(a) and section
5 218B(c)(3) on a biennial basis by the percentage (if any)
6 by which the Consumer Price Index for All Urban Con-
7 sumers for the month of June preceding the date on which
8 such adjustment takes effect exceeds the Consumer Price
9 Index for All Urban Consumers for the same month of
10 the second preceding calendar year. Any such increase
11 shall apply to aliens filing petitions on or after the date
12 on which the increase takes effect.

13 “(b) FEES.—

14 “(1) IN GENERAL.—The Secretary may require
15 an alien petitioning or applying for any benefit
16 under section 218A or 218B to pay a reasonable fee
17 that is commensurate with the cost of processing the
18 petition or application.

19 “(2) SUPPLEMENTAL FEE FOR STEM SCHOLAR-
20 SHIPS.—

21 “(A) IN GENERAL.—In addition to any re-
22 quired processing fee, the Secretary shall collect
23 a \$1,000 supplemental fee in connection with
24 each petition for classification of an alien as a
25 nonimmigrant under section 101(a)(15)(W)(i)
26 or as an immigrant under section 218B.

1 “(B) USE.—Supplemental fees collected
2 under subparagraph (A) shall be credited as
3 discretionary offsetting collections to the cur-
4 rently applicable appropriation, account, or
5 fund of the National Science Foundation for
6 purposes of providing scholarships for low-in-
7 come individuals described in section
8 414(d)(2)(A) of the American Competitiveness
9 and Workforce Improvement Act of 1998 (42
10 U.S.C. 1869c(2)(A)), and shall be made avail-
11 able for such purposes only to the extent and
12 in the amounts provided in advance in appro-
13 priations Acts.

14 “(3) PREMIUM PROCESSING.—Subject to any
15 reasonable conditions, the Secretary shall establish
16 premium processing procedures for petitions or ap-
17 plications filed under sections 218A and 218B in ac-
18 cordance with section 286(u) and the Emergency
19 Stopgap USCIS Stabilization Act (Public Law 116–
20 159).”.

21 (b) CONFORMING AMENDMENT.—The table of con-
22 tents of the Immigration and Nationality Act (8 U.S.C.
23 1101 et seq.) is amended by inserting after the item relat-
24 ing to section 218 the following:

 “Sec. 218A. Start-up entities; admission of nonimmigrant entrepreneurs and
 employees.

“Sec. 218B. Admission of immigrant entrepreneurs.

“Sec. 218C. Inflation adjustment; fees.”.

1 **SEC. 80303. DOCTORAL STEM GRADUATES.**

2 (a) IN GENERAL.—Section 201(b)(1) of the Immi-
3 gration and Nationality Act (8 U.S.C. 1151(b)(1)) is
4 amended by adding at the end the following:

5 “(F)(i) Aliens who—

6 “(I) are described in paragraph (1) or
7 (2) of section 203(b);

8 “(II) have earned a doctoral degree in
9 a program of study involving science, tech-
10 nology, engineering, or mathematics—

11 “(aa) from a qualified United
12 States research institution; or

13 “(bb) from a foreign institution if
14 such degree is the equivalent to a de-
15 gree issued by a qualified United
16 States research institution; and

17 “(III) are seeking admission to en-
18 gage in work in the United States in a
19 field related to such degree.

20 “(ii) Aliens who are a spouse or child of a prin-
21 cipal alien described in clause (i), if accompanying or
22 following to join the principal alien.”.

1 (b) PROCEDURES.—Section 204(a)(1) of the Immi-
2 gration and Nationality Act (8 U.S.C. 1154(a)(1)) is
3 amended by adding at the end the following:

4 “(M)(i) Any alien desiring to be classified under sec-
5 tion 201(b)(1)(F)(i) may file a petition with the Secretary
6 of Homeland Security for such classification.

7 “(ii)(I) In addition to any required processing fee, the
8 Secretary shall collect a \$1,000 supplemental fee in con-
9 nection with each petition filed under clause (i) for classi-
10 fication of an alien under section 201(b)(1)(F)(i).

11 “(II) Supplemental fees collected under subclause (I)
12 shall be credited as discretionary offsetting collections to
13 the currently applicable appropriation, account, or fund of
14 the National Science Foundation for purposes of providing
15 scholarships for low-income individuals described in sec-
16 tion 414(d)(2)(A) of the American Competitiveness and
17 Workforce Improvement Act of 1998 (42 U.S.C.
18 1869c(2)(A)), and shall be made available for such pur-
19 poses only to the extent and in the amounts provided in
20 advance in appropriations Acts.

21 “(iii) For purposes of section 201(b)(1)(F)(i):

22 “(I) The term ‘historically Black college or uni-
23 versity’ has the meaning given the term ‘part B in-
24 stitution’ in section 322 of the Higher Education
25 Act of 1965 (20 U.S.C. 1061).

1 “(II) The term ‘minority-serving institution’
2 means any of the following (as described in section
3 371 of the Higher Education Act of 1965 (20
4 U.S.C. 1067q(a))):

5 “(aa) A Hispanic-serving institution.

6 “(bb) An Alaska Native-serving institution
7 or a Native Hawaiian-serving institution.

8 “(cc) A Predominantly Black Institution.

9 “(dd) An Asian American and Native
10 American Pacific Islander-serving institution.

11 “(ee) A Native American-serving nontribal
12 institution.

13 “(III) The term ‘program of study involving
14 science, technology, engineering, or mathematics’
15 means a field included in the Department of Edu-
16 cation’s Classification of Instructional Programs tax-
17 onomy within the summary groups of agricultural
18 sciences, natural resources and conservation, com-
19 puter and information sciences and support services,
20 engineering, biological and biomedical sciences,
21 mathematics and statistics, military technologies,
22 physical sciences, or medical residency and fellow-
23 ship programs, or the summary group subsets of ac-
24 counting and related services and taxation.

1 “(IV) The term ‘qualified United States re-
2 search institution’, when used with respect to an
3 alien seeking status under section 201(b)(1)(F)(i),
4 means an institution that—

5 “(aa) is described in section 101(a) of the
6 Higher Education Act of 1965 (20 U.S.C.
7 1001(a)); and

8 “(bb) for not less than 3 years during the
9 period in which such alien was pursuing the
10 doctoral degree, either—

11 “(AA) spent not less than
12 \$25,000,000 for research and development,
13 as determined by the National Center for
14 Science and Engineering Statistics of the
15 National Science Foundation; or

16 “(BB) was classified by the Carnegie
17 Foundation for the Advancement of Teach-
18 ing as a doctorate-granting university with
19 a very high level (R1) or high level (R2) of
20 research activity and is a historically Black
21 college or university or minority-serving in-
22 stitution.”.

23 **SEC. 80304. CONFORMING AMENDMENTS.**

24 (a) USE OF FEE FOR LOW-INCOME SCHOLARSHIP
25 PROGRAM.—Section 414(d)(4) of the of the American

1 Competitiveness and Workforce Improvement Act of 1998
2 (42 U.S.C. 1869c(d)(4)) is amended to read as follows:

3 “(4) FUNDING.—

4 “(A) AMOUNTS DEPOSITED IN H-1B NON-
5 IMMIGRANT PETITIONER ACCOUNT.—The Di-
6 rector shall carry out this subsection with funds
7 made available under section 286(s)(3) of the
8 Immigration and Nationality Act (8 U.S.C.
9 1356(s)(3)). The Director may use not more
10 than 50 percent of such funds for under-
11 graduate programs for curriculum development,
12 professional and workforce development, and to
13 advance technological education. Funds for
14 these other programs may be used for purposes
15 other than scholarships.

16 “(B) OTHER IMMIGRATION PETITION
17 FEES.—Consistent with sections 218C(b)(2)(B)
18 and 204(a)(1)(M)(ii)(II) of the Immigration
19 and Nationality Act, the Director shall use
20 funds made available under such sections to
21 award scholarships under this subsection to in-
22 dividuals described in paragraph (2)(A).”.

23 (b) SUBSEQUENT FINDING OF NON-ENTITLEMENT
24 TO CLASSIFICATION.—Section 204(e) of the Immigration
25 and Nationality Act (8 U.S.C. 1154(e) is amended by in-

1 serting “section 201(b)(1)(F) or” before “subsection
2 (a),”.

3 **SEC. 80305. RULEMAKING.**

4 (a) IN GENERAL.—Not later than 180 days after the
5 date of the enactment of this title, the Secretary, in con-
6 sultation with the Secretary of State and the Secretary
7 of Commerce, shall publish in the Federal Register, an
8 interim final rule implementing the amendments made by
9 this title. Notwithstanding section 553 of title 5, United
10 States Code, the rule shall be effective, on an interim
11 basis, immediately upon publication, but may be subject
12 to change and revision after public notice and opportunity
13 for comment. The Secretary shall finalize such rule not
14 later than 1 year after the date of the enactment of this
15 title.

16 (b) DESIGNATED QUALIFIED INVESTORS.—The rule
17 described in subsection (a) shall include—

18 (1) procedures for individuals and organizations
19 to request designation as qualified investors (as such
20 term is defined in section 218A(f) of the Immigra-
21 tion and Nationality Act, as added by this title); and

22 (2) streamlined filing procedures for petitions
23 to classify an alien as a nonimmigrant under sec-
24 tion 101(A)(15)(W)(i) of the Immigration and Na-
25 tionality Act (8 U.S.C. 1101(a)(15)(W)(i)), as added

1 by this title, or as an immigrant under section 218B
2 of such Act (as so added) based on a start-up entity
3 that has received investment capital from one or
4 more qualified investors that have been designated
5 as such pursuant to the procedures described in
6 paragraph (1).

7 **DIVISION J—COMMITTEE ON**
8 **EDUCATION AND LABOR**
9 **TITLE I—NATIONAL**
10 **APPRENTICESHIP ACT OF 2022**

11 **SEC. 90101. SHORT TITLE.**

12 This title may be cited as the “National Apprenticeship
13 Act of 2022”.

14 **SEC. 90102. EFFECTIVE DATE.**

15 This title, and the amendments made by this title,
16 shall take effect beginning on October 1, 2022.

17 **SEC. 90103. AMENDMENT.**

18 The Act of August 16, 1937 (commonly referred to
19 as the “National Apprenticeship Act”; 50 Stat. 664, chap-
20 ter 663; 29 U.S.C. 50 et seq.), is amended to read as fol-
21 lows:

22 **“SECTION 1. SHORT TITLE; TABLE OF CONTENTS.**

23 “(a) **SHORT TITLE.**—This Act may be cited as the
24 ‘National Apprenticeship Act’.

1 “(b) TABLE OF CONTENTS.—The table of contents
2 for this Act is as follows:

- “Sec. 1. Short title; table of contents.
- “Sec. 2. Definitions.
- “Sec. 3. Programs under the national apprenticeship system.
- “Sec. 4. Transition provisions.
- “Sec. 5. Disaggregation of data.
- “Sec. 6. Relation to other laws.

“TITLE I—PROMOTING PROGRAMS UNDER THE NATIONAL
APPRENTICESHIP SYSTEM

“Subtitle A—The Office of Apprenticeship, State Registration Agency
Approval Process, and Interagency Agreement

- “Sec. 111. The Office of Apprenticeship.
- “Sec. 112. National Advisory Committee on Apprenticeships.
- “Sec. 113. State apprenticeship agencies and State Offices of Apprenticeship.
- “Sec. 114. Interagency agreement with Department of Education.

“Subtitle B—Process and Standards for the National Apprenticeship System

- “Sec. 121. Occupations suitable for apprenticeship.
- “Sec. 122. Quality standards of programs under the national apprenticeship
system.
- “Sec. 123. Apprenticeship agreements.
- “Sec. 124. Registration of programs under the national apprenticeship system.

“Subtitle C—Evaluations and Research

- “Sec. 131. Program evaluations.
- “Sec. 132. National apprenticeship system research.

“Subtitle D—General Provisions

- “Sec. 141. Authorization of appropriations.

“TITLE II—MODERNIZING THE NATIONAL APPRENTICESHIP
SYSTEM FOR THE 21ST CENTURY GRANTS

- “Sec. 201. Grant requirements.
- “Sec. 202. Uses of Funds.
- “Sec. 203. Grant evaluations.
- “Sec. 204. Authorization of appropriations for grants.

3 **“SEC. 2. DEFINITIONS.**

4 “‘In this Act:

5 “(1) ADMINISTRATOR.—The term ‘Adminis-
6 trator’ means the Administrator of the Office of Ap-
7 prenticeship established under section 111(a).

1 “(2) ADVISORY COMMITTEE.—The term ‘Advi-
2 sory Committee’ means the National Advisory Com-
3 mittee on Apprenticeships established under section
4 112.

5 “(3) APPRENTICE.— The term ‘apprentice’
6 means an individual who is—

7 “(A) at least 16 years of age, except where
8 a higher minimum age standard is otherwise re-
9 quired by law;

10 “(B) employed by an employer that spon-
11 sors or participates in an apprenticeship pro-
12 gram; and

13 “(C) a participant of such an apprentice-
14 ship program.

15 “(4) APPRENTICESHIP AGREEMENT.—The term
16 ‘apprenticeship agreement’ means a written agree-
17 ment under section 123 between—

18 “(A) an apprentice, a youth apprentice, or
19 a pre-apprentice; and

20 “(B) a sponsor.

21 “(5) APPRENTICESHIP HUB.—The term ‘ap-
22 prenticeship hub’ means a regional or sectoral quali-
23 fied intermediary recognized by a State apprentice-
24 ship agency or a State Office of Apprenticeship as
25 organizing and providing activities and services re-

1 lated to the development of programs under the na-
2 tional apprenticeship system.

3 “(6) APPRENTICESHIP PROGRAM.—The term
4 ‘apprenticeship program’ means a program that
5 meets the standards described in section 122(b) and
6 is registered under this Act.

7 “(7) COMPETENCY.—The term ‘competency’
8 means the attainment of knowledge, skills, and abili-
9 ties in a subject area, as specified by an occupa-
10 tional skill standard and demonstrated by an appro-
11 priate written or hands-on proficiency measurement.

12 “(8) DEPARTMENT.—The term ‘Department’
13 means the Department of Labor.

14 “(9) EDUCATION AND TRAINING PROVIDER.—
15 The term ‘education and training provider’ means—

16 “(A) an area career and technical edu-
17 cation school;

18 “(B) an early college high school;

19 “(C) an educational service agency;

20 “(D) a high school;

21 “(E) a local educational agency or State
22 educational agency;

23 “(F) a Tribal educational agency, Tribally
24 controlled college or university, or Tribally con-

1 trolled postsecondary career and technical insti-
2 tution;

3 “(G) a postsecondary educational institu-
4 tion;

5 “(H) a minority-serving institution;

6 “(I) a provider of adult education and lit-
7 eracy activities under the Adult Education and
8 Family Literacy Act (29 U.S.C. 3271 et seq.);

9 “(J) a local agency administering plans
10 under title I of the Rehabilitation Act of 1973
11 (29 U.S.C. 720 et seq.), other than section 112
12 or part C of that title (29 U.S.C. 732, 741);

13 “(K) a related instruction provider, includ-
14 ing a qualified intermediary acting as a related
15 instruction provider as approved by a registra-
16 tion agency;

17 “(L) a Job Corps center (as defined in sec-
18 tion 142 of the Workforce Innovation and Op-
19 portunity Act (29 U.S.C. 3192)); or

20 “(M) a consortium of entities described in
21 any of subparagraphs (A) through (L).

22 “(10) ELIGIBLE ENTITY.—

23 “(A) IN GENERAL.—The term ‘eligible en-
24 tity’ means—

25 “(i) a program sponsor;

1 “(ii) a State workforce development
2 board or State workforce agency, or a local
3 workforce development board or local
4 workforce development agency;

5 “(iii) an education and training pro-
6 vider, or a consortium thereof;

7 “(iv) if the applicant is in a State
8 with a State apprenticeship agency, such
9 State apprenticeship agency;

10 “(v) an Indian Tribe or Tribal organi-
11 zation;

12 “(vi) an industry or sector partner-
13 ship, a group of employers, a trade asso-
14 ciation, or a professional association that
15 sponsors or participates in a program
16 under the national apprenticeship system;

17 “(vii) a Governor of a State;

18 “(viii) a labor organization or joint
19 labor-management organization; or

20 “(ix) a qualified intermediary.

21 “(B) SPONSOR REQUIREMENT.—Not fewer
22 than one entity under subparagraph (A) shall
23 be the sponsor of a program under the national
24 apprenticeship system.

1 “(11) INDIAN TRIBE; TRIBAL ORGANIZATION.—
2 The terms ‘Indian Tribe’ and ‘Tribal organization’
3 have the meaning given the terms (without regard to
4 capitalization) in section 4 of the Indian Self-Deter-
5 mination and Education Assistance Act (25 U.S.C.
6 5304).

7 “(12) INTERIM CREDENTIAL.—The term ‘in-
8 terim credential’ means a credential issued by a reg-
9 istration agency, upon request of the appropriate
10 sponsor, as certification of competency attainment
11 by a program participant during participation in a
12 program under the national apprenticeship system.

13 “(13) JOURNEYWORKER.—The term
14 ‘journeyworker’ means a worker who has attained a
15 level of skill, abilities, and competencies recognized
16 within an industry as having mastered the skills and
17 competencies required for the occupation.

18 “(14) MINORITY-SERVING INSTITUTION.—The
19 term ‘minority-serving institution’ means an institu-
20 tion defined in any of paragraphs (1) through (7) of
21 section 371(a) of the Higher Education Act of 1965
22 (20 U.S.C. 1067q(a)).

23 “(15) NATIONAL APPRENTICESHIP SYSTEM.—
24 The term ‘national apprenticeship system’ means the
25 apprenticeship programs, youth apprenticeship pro-

1 grams, and pre-apprenticeship programs that are co-
2 ordinated by the Office of Apprenticeship and State
3 apprenticeship agencies.

4 “(16) NATIONAL PROGRAM STANDARDS OF AP-
5 PRENTICESHIP.—The term ‘national program stand-
6 ards of apprenticeship’ means a set of apprentice-
7 ship program standards developed and adopted by a
8 sponsor that—

9 “(A) are designed for nontraditional ap-
10 prenticeship occupations;

11 “(B) are demonstrably national or multi-
12 State in their design, suitability, and scope; and

13 “(C) are registered on a nationwide basis
14 by the Office of Apprenticeship upon having
15 satisfied the requirements of this Act.

16 “(17) NONTRADITIONAL APPRENTICESHIP POP-
17 ULATION.—The term ‘nontraditional apprenticeship
18 population’ means a group of individuals (such as
19 individuals from the same gender, race, or ethnicity),
20 the members of which—

21 “(A) comprise fewer than 25 percent of the
22 program participants in a program under the
23 national apprenticeship system; or

24 “(B) comprise a percentage of individuals
25 employed in an occupation that is lower than

1 the percentage of the total population com-
2 prised by such members, based on the most re-
3 cent satisfactory data from the Bureau of the
4 Census.

5 “(18) NONTRADITIONAL APPRENTICESHIP OC-
6 CUPATION.—

7 “(A) IN GENERAL.—The term ‘nontradi-
8 tional apprenticeship occupation’ means an oc-
9 cupation in an industry sector which has an av-
10 erage program participant rate of fewer than
11 10 percent for each of the 5 preceding years.

12 “(B) PROGRAM PARTICIPANT RATE.—In
13 this paragraph, the term ‘program participant
14 rate’, when used with respect to an occupation
15 in an industry sector, means the percentage of
16 the total program participants that participate
17 in a program under the national apprenticeship
18 system in such occupation.

19 “(19) OCCUPATIONS SUITABLE FOR APPREN-
20 TICESHIP.—The term ‘occupations suitable for ap-
21 prenticeship’ means an occupation that the Adminis-
22 trator has determined meets the requirements of sec-
23 tion 121.

24 “(20) OUTLYING AREA.—The term ‘outlying
25 area’ means American Samoa, Guam, the Common-

1 wealth of the Northern Mariana Islands, and the
2 United States Virgin Islands.

3 “(21) PRE-APPRENTICE.—The term ‘pre-ap-
4 prentice’ means a participant in a pre-apprenticeship
5 program.

6 “(22) PRE-APPRENTICESHIP PROGRAM.—The
7 term ‘pre-apprenticeship program’ means a training
8 model or program that—

9 “(A) prepares individuals for acceptance
10 into an apprenticeship program;

11 “(B) meets the standards described in sec-
12 tion 122(c); and

13 “(C) is registered under this Act.

14 “(23) PROGRAM PARTICIPANT.—The term ‘pro-
15 gram participant’ means an apprentice, a pre-ap-
16 prentice, or a youth apprentice.

17 “(24) QUALIFIED INTERMEDIARY.—

18 “(A) IN GENERAL.—The term ‘qualified
19 intermediary’ means an entity that dem-
20 onstrates expertise in building, connecting, sus-
21 taining, and measuring the performance of
22 partnerships described in subparagraph (B) and
23 serves program participants and employers
24 by—

1 “(i) connecting employers to programs
2 under the national apprenticeship system;

3 “(ii) assisting in the design and imple-
4 mentation of such programs, including cur-
5 riculum development and delivery for re-
6 lated instruction;

7 “(iii) supporting entities, sponsors, or
8 program administrators in meeting the
9 registration and reporting requirements of
10 this Act;

11 “(iv) providing professional develop-
12 ment activities such as training to men-
13 tors;

14 “(v) supporting the recruitment, re-
15 tention, and completion of potential pro-
16 gram participants, including nontraditional
17 apprenticeship populations and individuals
18 with barriers to employment;

19 “(vi) developing and providing person-
20 alized program participant supports, in-
21 cluding by partnering with organizations to
22 provide access to or referrals for supportive
23 services and financial advising;

24 “(vii) providing services, resources,
25 and supports for development, delivery, ex-

1 pansion, or improvement of programs
2 under the national apprenticeship system;
3 or

4 “(viii) serving as a program sponsor.

5 “(B) PARTNERSHIPS.—The term ‘partner-
6 ships described in subparagraph (B)’ means
7 partnerships among entities involved in, or ap-
8 plying to participate in, programs under the na-
9 tional apprenticeship system, including—

10 “(i) industry or sector partnerships;

11 “(ii) partnerships among employers,
12 joint labor-management organizations,
13 labor organizations, community-based or-
14 ganizations, industry associations, State or
15 local workforce development boards, edu-
16 cation and training providers, social service
17 organizations, economic development orga-
18 nizations, Indian Tribes or Tribal organi-
19 zations, one-stop operators, one-stop part-
20 ners, or veterans-service organizations in
21 the State workforce development system;
22 or

23 “(iii) partnerships among one or more
24 of the entities described in clauses (i) and
25 (ii).

1 “(25) RECOGNIZED POSTSECONDARY CREDEN-
2 TIAL.—The term ‘recognized postsecondary creden-
3 tial’ has the meaning given the term in section 3 of
4 the Workforce Innovation and Opportunity Act (29
5 U.S.C. 3102), except that such term does not in-
6 clude a certificate of completion of an apprentice-
7 ship.

8 “(26) REGISTRATION AGENCY.—The term ‘reg-
9 istration agency’ means the Office of Apprenticeship
10 or State apprenticeship agency in a State that is re-
11 sponsible for—

12 “(A) registering programs under the na-
13 tional apprenticeship system and program par-
14 ticipants in the State or area covered by such
15 Office or agency; and

16 “(B) carrying out the responsibilities of
17 supporting the youth apprenticeship, pre-ap-
18 prenticeship, or apprenticeship programs reg-
19 istered by such Office or agency, including—

20 “(i) providing technical assistance to
21 such programs and sponsors of such pro-
22 grams; and

23 “(ii) conducting regular quality assur-
24 ance assessments and reviews of such pro-
25 grams to ensure their compliance with the

1 minimum labor standards and the equal
2 employment opportunity requirements of
3 Act.

4 “(27) RELATED INSTRUCTION.—The term ‘re-
5 lated instruction’ means an organized and system-
6 atic form of instruction that meets the requirements
7 of section 122(b)(1)(C).

8 “(28) RELATED FEDERAL PROGRAMS.—The
9 term ‘related Federal programs’ means programs or
10 activities under the following:

11 “(A) The Workforce Innovation and Op-
12 portunity Act (29 U.S.C. 3101 et seq.), includ-
13 ing adult education and literacy activities under
14 such Act.

15 “(B) The Wagner-Peyser Act (29 U.S.C.
16 49 et seq.).

17 “(C) The Elementary and Secondary Edu-
18 cation Act of 1965 (20 U.S.C. 6301 et seq.).

19 “(D) The Higher Education Act of 1965
20 (20 U.S.C. 1001 et seq.).

21 “(E) The Individuals with Disabilities
22 Education Act (20 U.S.C. 1400 et seq.).

23 “(F) Title I of the Rehabilitation Act of
24 1973 (29 U.S.C. 720 et seq.).

1 “(G) Title V of the Older Americans Act
2 of 1965 (42 U.S.C. 3056 et seq.).

3 “(H) The postsecondary level under the
4 Carl D. Perkins Career and Technical Edu-
5 cation Act of 2006 (20 U.S.C. 2302).

6 “(I) Chapter 2 of title II of the Trade Act
7 of 1974 (19 U.S.C. 2271 et seq.).

8 “(J) Chapter 41 of title 38, United States
9 Code.

10 “(K) Employment and training activities
11 carried out under the Community Services
12 Block Grant Act (42 U.S.C. 9901 et seq.).

13 “(L) State unemployment compensation
14 laws (in accordance with applicable Federal
15 law).

16 “(M) Section 231 of the Second Chance
17 Act of 2007 (34 U.S.C. 60541).

18 “(N) Part A of title IV of the Social Secu-
19 rity Act (42 U.S.C. 601 et seq.).

20 “(O) Employment and training activities
21 carried out by the Department of Housing and
22 Urban Development, the Department of De-
23 fense, the Department of Commerce, the De-
24 partment of Energy, the Department of Trans-

1 portation, and the Small Business Administra-
2 tion.

3 “(P) Section 6(d)(4) of the Food and Nu-
4 trition Act of 2008 (7 U.S.C. 2015(d)(4)).

5 “(Q) Educational assistance programs
6 under chapters 30 through 36 of title 38,
7 United States Code.

8 “(29) SECRETARY.—The term ‘Secretary’
9 means the Secretary of Labor.

10 “(30) SPONSOR.—The term ‘sponsor’ means
11 any employer, joint labor-management organization,
12 trade association, committee, professional associa-
13 tion, labor organization, education and training pro-
14 vider, or qualified intermediary—

15 “(A) in whose name a program under the
16 national apprenticeship system is (or is to be)
17 registered or approved by a registration agency;
18 and

19 “(B) that assumes responsibility for the
20 implementation of such program.

21 “(31) STATE.—The term ‘State’—

22 “(A) has the meaning given such term in
23 section 3 of the Workforce Innovation and Op-
24 portunity Act (29 U.S.C. 3102); and

25 “(B) includes each of the outlying areas.

1 “(32) STATE APPRENTICESHIP AGENCY.—The
2 term ‘State apprenticeship agency’ means a State
3 agency recognized as a State apprenticeship agency
4 under section 113.

5 “(33) STATE APPRENTICESHIP COUNCIL.—The
6 term ‘State apprenticeship council’ means an entity
7 established under section 113(b)(3) to assist the
8 State apprenticeship agency.

9 “(34) STATE OFFICE OF APPRENTICESHIP.—
10 The term ‘State office of apprenticeship’ means the
11 office designated by the Administrator to administer
12 programs under the national apprenticeship system
13 in such State and meets the requirements of section
14 111(b)(3).

15 “(35) STATE OR LOCAL WORKFORCE DEVELOP-
16 MENT BOARDS.—The terms ‘State workforce devel-
17 opment board’ and ‘local workforce development
18 board’ have the meanings given the terms ‘State
19 board’ and ‘local board’, respectively, in section 3 of
20 the Workforce Innovation and Opportunity Act (29
21 U.S.C. 3102).

22 “(36) STATE WORKFORCE AGENCY.—The term
23 ‘State workforce agency’ means the State agency
24 with responsibility for workforce investment activi-
25 ties under chapters 2 and 3 of subtitle B of title I

1 of the Workforce Innovation and Opportunity Act
2 (29 U.S.C. 3121 et seq., 3131 et seq.).

3 “(37) CTE TERMS.—The terms ‘area career
4 and technical education school’, ‘articulation agree-
5 ment’, ‘credit transfer agreement’, ‘postsecondary
6 educational institution’, ‘Tribally controlled college
7 or university’, ‘Tribally controlled postsecondary ca-
8 reer and technical institution’, and ‘work-based
9 learning’ have the meanings given in section 3 of the
10 Carl D. Perkins Career and Technical Education
11 Act of 2006 (20 U.S.C. 2302).

12 “(38) ESEA TERMS.—The terms ‘dual or con-
13 current enrollment program’, ‘early college high
14 school’, ‘education service agency’, ‘high school’,
15 ‘local educational agency’, ‘paraprofessional’, and
16 ‘State educational agency’ have the meanings given
17 in section 8101 of the Elementary and Secondary
18 Education Act of 1965 (20 U.S.C. 7801).

19 “(39) TRIBAL EDUCATIONAL AGENCY.—The
20 term ‘Tribal educational agency’ has the meaning
21 given the term in section 6132 of the Elementary
22 and Secondary Education Act of 1965 (20 U.S.C.
23 7452).

24 “(40) WIOA TERMS.—The terms ‘career path-
25 way’, ‘dislocated worker’, ‘in-demand industry sector

1 or occupation’, ‘individual with a barrier to employ-
2 ment’, ‘industry or sector partnership’, ‘labor market
3 area’, ‘local area’, ‘one-stop center’, ‘one-stop oper-
4 ator’, ‘one-stop partner’, ‘supportive services’, and
5 ‘workforce development system’ have the meanings
6 given in section 3 of the Workforce Innovation and
7 Opportunity Act (29 U.S.C. 3102).

8 “(41) YOUTH APPRENTICE.—The term ‘youth
9 apprentice’ means a participant in a youth appren-
10 ticeship program.

11 “(42) YOUTH APPRENTICESHIP PROGRAM.—
12 The term ‘youth apprenticeship program’ means a
13 model or program that meets the standards de-
14 scribed in section 122(d) and is registered under this
15 Act.

16 **“SEC. 3. PROGRAMS UNDER THE NATIONAL APPRENTICE-**
17 **SHIP SYSTEM.**

18 “Any funds appropriated under this Act shall only
19 be used for, or provided to, programs under the national
20 apprenticeship system, including any funds awarded for
21 the purposes of grants, contracts, or cooperative agree-
22 ments, or the development, implementation, or administra-
23 tion, of program under the national apprenticeship system.

1 **“SEC. 4. TRANSITION PROVISIONS.**

2 “(a) IN GENERAL.—The Secretary shall take such
3 steps as are necessary to provide for the orderly transition
4 to the authority of this Act (as amended by National Ap-
5 prenticeship Act of 2022) from any authority under this
6 Act as in effect on the day before the date of enactment
7 of the National Apprenticeship Act of 2022.

8 “(b) RULES AND REGULATIONS.—The Secretary of
9 Labor may—

10 “(1) prescribe, in accordance with chapter 5 of
11 title 5, United States Code, rules and regulations to
12 carry out this Act to the extent necessary to admin-
13 ister and ensure compliance with the requirements of
14 this Act; and

15 “(2) continue to administer any regulations in
16 effect as of the date of enactment of the National
17 Apprenticeship Act of 2022 that are not inconsistent
18 with this Act.

19 **“SEC. 5. DISAGGREGATION OF DATA.**

20 “(a) IN GENERAL.—The disaggregation of data
21 under this Act shall not be required when the number of
22 program participants in a category is insufficient to yield
23 statistically reliable information or when the results would
24 reveal personally identifiable information about a program
25 participant or would reveal such information when com-
26 bined with other released information.

1 “(b) EXCEPTION.—This section shall not apply with
2 respect to the disaggregation of data for the purposes of
3 research and evaluation under section 132.

4 **“SEC. 6. RELATION TO OTHER LAWS.**

5 “Nothing in this Act shall invalidate, supersede, or
6 limit the remedies, rights, and procedures under any Fed-
7 eral, State, or local law, or the law of any State or political
8 subdivision of any State or jurisdiction establishing min-
9 imum labor standards of apprenticeship or minimum re-
10 quirements for equal employment opportunity in connec-
11 tion with programs under the national apprenticeship sys-
12 tem that are more protective than those established under
13 this Act, including those laws governing the numeric ratio
14 of apprentices to journeyworkers, the minimum starting
15 age of an apprentice, the minimum entry wage payable
16 to a program participant, the minimum number of hours
17 of on-the-job learning or related instruction required by
18 an apprenticeship program, and the provision of remedies,
19 rights, and procedures that provides greater or equal pro-
20 tection for individuals based on race, color, religion, na-
21 tional origin, sex, sexual orientation, gender identity, age,
22 genetic information, or disability than are afforded by this
23 Act.

1 **“TITLE I—PROMOTING PRO-**
2 **GRAMS UNDER THE NA-**
3 **TIONAL APPRENTICESHIP**
4 **SYSTEM**

5 **“Subtitle A—The Office of Appren-**
6 **ticeship, State Registration**
7 **Agency Approval Process, and**
8 **Interagency Agreement**

9 **“SEC. 111. THE OFFICE OF APPRENTICESHIP.**

10 “(a) ESTABLISHMENT OF THE OFFICE OF APPREN-
11 TICESHIP.—

12 “(1) IN GENERAL.—There is established, in the
13 Employment and Training Administration of the
14 Department of Labor, an Office of Apprenticeship
15 (referred to in this section as the ‘Office’), which
16 shall be directed by an Administrator who has dem-
17 onstrated knowledge of the national apprenticeship
18 system necessary to head the Office to facilitate the
19 administration of the requirements of this Act and
20 of any regulations issued under this Act, to coordi-
21 nate the effective operation of the national appren-
22 ticeship system, and to fulfill and advance the spe-
23 cific duties and objectives described in this Act.

24 “(2) FINAL DECISION-MAKING AUTHORITY.—
25 The Office of Apprenticeship shall retain final deci-

1 sion-making authority on all matters related to the
2 registration, deregistration, and operation of pro-
3 grams registered by a registration agency for Fed-
4 eral purposes.

5 “(b) RESPONSIBILITIES.—The Administrator shall be
6 responsible for the administration of this Act, including:

7 “(1) PROMOTION AND AWARENESS ACTIVI-
8 TIES.—The Administrator shall carry out promotion
9 and awareness activities, including the following:

10 “(A) Supporting the development or scal-
11 ing of apprenticeship models nationally, pro-
12 moting the effectiveness of youth apprentice-
13 ship, pre-apprenticeship, and apprenticeship
14 programs, and providing promotional materials
15 to State apprenticeship agencies, State work-
16 force development systems or local workforce
17 development systems, State educational agen-
18 cies or local educational agencies, employers,
19 trade associations, professional associations, in-
20 dustry groups, labor organizations, joint labor-
21 management organizations, education and
22 training providers, Federal and State correc-
23 tional facilities, veterans-service organizations,
24 and prospective apprentices in such programs.

1 “(B) Promoting greater diversity in the
2 national apprenticeship system including by—

3 “(i)(I) promoting outreach to non-
4 traditional apprenticeship populations, in-
5 cluding by engaging schools that partici-
6 pate in a schoolwide program under section
7 1114 of the Elementary and Secondary
8 Education Act of 1965 (20 U.S.C. 6314)
9 and minority-serving institutions;

10 “(II) disseminating best practices to
11 recruit nontraditional apprenticeship popu-
12 lations, women, minorities, long-term un-
13 employed, individuals with a disability, in-
14 dividuals recovering from substance abuse
15 disorders, veterans, military spouses, indi-
16 viduals experiencing homelessness, individ-
17 uals impacted by the criminal or juvenile
18 justice system, and foster and former fos-
19 ter youth; and

20 “(III) engaging small, medium-size,
21 women-owned, and minority-owned busi-
22 nesses, and employers in high-skill, high-
23 wage, and in-demand industry sectors and
24 occupations that are nontraditional ap-
25 prenticeship occupations; and

1 “(ii) supporting the participation and
2 retention of apprentices and employers de-
3 scribed in clause (i) in the national appren-
4 ticeship system.

5 “(2) TECHNICAL ASSISTANCE ACTIVITIES.—The
6 Administrator shall carry out technical assistance
7 activities, including the following:

8 “(A) Providing technical assistance to—

9 “(i) assist State apprenticeship agen-
10 cies and sponsors in complying with the re-
11 quirements of this Act, including devel-
12 oping the State plan in section 113(c), the
13 process and standards described in subtitle
14 B, and the evaluation and research re-
15 quirements described in subtitle C;

16 “(ii) receive and resolve comments or
17 complaints from youth apprentices, pre-ap-
18 prentices, or apprentices, sponsors, employ-
19 ers, State apprenticeship agencies, State
20 local workforce agencies or local workforce
21 agencies, State educational agencies or
22 local educational agencies, qualified inter-
23 mediaries, labor organizations, joint labor-
24 management organizations, or other stake-
25 holders;

1 “(iii) assist sponsors, employers,
2 qualified intermediaries, and education and
3 training or related instruction providers, or
4 other entities interested in becoming spon-
5 sors, or seeking support for developing pro-
6 grams under the national apprenticeship
7 system or effectively carrying out such pro-
8 grams, including providing assistance for
9 remote or virtual learning or training, as
10 necessary;

11 “(iv) assist those applying for or car-
12 rying out grants, contracts, or cooperative
13 agreements under title II, including
14 through facilitating the sharing of best
15 practices;

16 “(v) share, through a national appren-
17 ticeship system clearinghouse, high-quality
18 materials for programs under the national
19 apprenticeship system, such as related in-
20 struction or training materials, in user-
21 friendly formats and languages that are
22 easily accessible, as determined by the Ad-
23 ministrator; and

24 “(vi) assist State apprenticeship agen-
25 cies in establishing or expanding appren-

1 ticeship hubs as is required in section
2 113(e)(7).

3 “(B) Cooperating with other Federal agen-
4 cies for the promotion and adoption of pro-
5 grams under the national apprenticeship sys-
6 tem, including the—

7 “(i) Secretary of Education in—

8 “(I) providing technical assist-
9 ance for the development and imple-
10 mentation of related instruction under
11 the national apprenticeship system
12 that is aligned with State education
13 systems and education and training
14 providers; and

15 “(II) supporting the stackability
16 and portability of academic credit and
17 credentials earned as part of such
18 programs, including through articula-
19 tion agreements and career pathways;

20 “(ii) State workforce development sys-
21 tems to promote awareness of opportuni-
22 ties under the national apprenticeship sys-
23 tem;

24 “(iii) Attorney General and the Direc-
25 tor of the Bureau of Prisons in providing

1 technical assistance for the development
2 and implementation of related instruction
3 under the national apprenticeship system
4 that is aligned with a mentoring program
5 administered by the Attorney General to—

6 “(I) support the establishment or
7 expansion of pre-apprenticeships and
8 apprenticeship programs to all Fed-
9 eral correctional institutions;

10 “(II) share through the national
11 apprenticeship system clearinghouse
12 research and best practices for pro-
13 grams under the national apprentice-
14 ship system in correctional settings
15 and for individuals impacted by the
16 criminal and juvenile justice system;

17 “(III) provide technical assist-
18 ance for State prison systems and em-
19 ployers seeking to operate or improve
20 corrections-based pre-apprenticeship
21 or apprenticeship programs; and

22 “(IV) support the successful
23 transition of individuals in correc-
24 tional institutions to pre-apprentice-

1 ship or apprenticeship programs upon
2 exiting from correctional settings; and
3 “(iv) Secretary of Health and Human
4 Services to coordinate with State programs
5 for temporary assistance to needy families
6 funded under part A of title VI of the So-
7 cial Security Act to promote awareness of
8 opportunities under the national appren-
9 ticeship system for participants in such
10 State programs.

11 “(3) STATE OFFICES OF APPRENTICESHIP.—

12 “(A) ESTABLISHMENT OF OFFICES.—

13 “(i) IN GENERAL.—The Administrator
14 shall establish and operate a State Office
15 of Apprenticeship in a State described in
16 clause (ii) to serve as the registration
17 agency for such State.

18 “(ii) APPLICABLE STATES.—A State
19 described in this clause is a State—

20 “(I) in which, as of the day be-
21 fore the date of enactment of the Na-
22 tional Apprenticeship Act of 2022,
23 there is no State Office of Apprentice-
24 ship; and

1 “(II) that has not applied for
2 recognition as a State apprenticeship
3 agency under section 113, or for
4 which such recognition has not pro-
5 vided or has been withdrawn by the
6 Administrator under such section.

7 “(B) STATE PLAN REQUIREMENT.—Each
8 State Office of Apprenticeship shall be adminis-
9 tered by a State Director who shall prepare and
10 submit a State plan that meets the require-
11 ments of section 113(c).

12 “(C) VACANCIES.—Subject to the avail-
13 ability of appropriations, in the case of a State
14 Office of Apprenticeship with a vacant position,
15 the Administrator shall—

16 “(i) make information on such va-
17 cancy available on a publicly accessible
18 website; and

19 “(ii) report to the Committee on Edu-
20 cation and Labor of the House of Rep-
21 resentatives and the Committee on Health,
22 Education, Labor, and Pensions of the
23 Senate, on the status and length of such
24 vacancy if such vacancy is not filled not

1 later than 90 days after such position has
2 become vacant.

3 “(D) RULE OF CONSTRUCTION.—Nothing
4 in this paragraph shall be construed to prohibit
5 any State described in subparagraph (A)(ii)
6 from establishing an agency or entity to pro-
7 mote programs under the national apprentice-
8 ship system in such State, in coordination with
9 the State Office of Apprenticeship operating in
10 the State, so long as such agency or entity does
11 not act as the registration agency in such State.

12 “(4) QUALITY STANDARDS, APPRENTICESHIP
13 AGREEMENT, AND REGISTRATION REVIEW.—In order
14 for the Secretary, acting through the Administrator,
15 to support the formulation and furtherance of labor
16 standards necessary to safeguard the welfare of pro-
17 gram participants, and to extend the application of
18 such standards in apprenticeship agreements, not
19 later than 1 year after the effective date of the Na-
20 tional Apprenticeship Act of 2022, and at least every
21 3 years thereafter, the Administrator shall review,
22 and where appropriate, update the process for meet-
23 ing the requirements of subtitle B, including applica-
24 ble subregulatory guidance and registration proc-
25 esses to ensure that such process is easily accessible

1 and efficient to bring together employers and labor
2 as sponsors or potential sponsors of programs under
3 the national apprenticeship system.

4 “(5) OCCUPATIONS SUITABLE FOR APPREN-
5 TICESHIP.—

6 “(A) EXISTING OCCUPATIONS.—The Ad-
7 ministrator shall regularly review and update
8 the requirements for each approved occupation
9 suitable for apprenticeship to ensure that such
10 requirements are in compliance with require-
11 ments under this Act.

12 “(B) NEW OCCUPATION.—

13 “(i) IN GENERAL.—The Administrator
14 shall review and make a determination on
15 whether to approve an occupation suitable
16 for apprenticeship not later than 45 days
17 after receiving an application from a per-
18 son seeking such approval from the Admin-
19 istrator.

20 “(ii) ESTIMATED TIMELINE.—If such
21 determination is not made with such 45
22 days, the Administrator shall provide the
23 applicant with a written explanation for
24 the delay and offer an estimated timeline
25 for a determination that does not to exceed

1 90 days after the date of such written ex-
2 planation.

3 “(C) NATIONAL OCCUPATIONAL STAND-
4 ARDS.—

5 “(i) IN GENERAL.—From the funds
6 appropriated under section 141(a), the Ad-
7 ministrators shall convene, on an ongoing
8 basis and taking into consideration rec-
9 ommendations of the Advisory Committee
10 under section 112(d)(4), the industry sec-
11 tor leaders and experts described in clause
12 (ii) for the purposes of establishing or up-
13 dating specific frameworks of national oc-
14 cupational standards for occupations suit-
15 able for apprenticeship (including potential
16 occupations) that—

17 “(I) meet the requirements of
18 this Act; and

19 “(II) describe program scope and
20 length, related instruction, on-the-job
21 training, recognized postsecondary
22 credentials, and competencies, and rel-
23 evant timelines for review of such
24 frameworks.

1 “(ii) INDUSTRY SECTOR LEADERS AND
2 EXPERTS.—The industry sector leaders
3 and experts are employers, industry asso-
4 ciations, joint labor-management organiza-
5 tions, labor organizations, education and
6 training providers, credential providers,
7 program participants, national qualified
8 intermediaries, including those supporting
9 increased participation of nontraditional
10 apprenticeship populations and nontradi-
11 tional apprenticeship occupations, and
12 other stakeholders relevant to the sector or
13 occupation for which the frameworks are
14 being established or updated, as deter-
15 mined by the Administrator.

16 “(iii) PRIORITY NATIONAL OCCUPA-
17 TIONS SUITABLE FOR APPRENTICESHIP.—
18 In establishing frameworks under clause
19 (i) for the first time after the effective date
20 of the National Apprenticeship Act of
21 2022, the Administrator shall prioritize the
22 establishment of such standards in high-
23 skill, high-wage, or in-demand industry
24 sectors and occupations.

1 “(D) REGULATIONS.—Not later than 1
2 year after the date of the enactment of the Na-
3 tional Apprenticeship Act of 2022, the Sec-
4 retary shall issue regulations that outline a
5 process for proactively establishing and approv-
6 ing standards and requirements for occupations
7 suitable for apprenticeship in consultation with
8 the industry sector leaders and experts de-
9 scribed in subparagraph (C)(ii).

10 “(E) NONTRADITIONAL APPRENTICESHIP
11 POPULATIONS.—The Administrator shall regu-
12 larly evaluate the participation of the nontradi-
13 tional apprenticeship populations for each of
14 the approved occupations suitable for appren-
15 ticeship, such as women, minorities, long-term
16 unemployed, individuals with a disability, indi-
17 viduals with substance abuse issues, veterans,
18 military spouses, individuals experiencing home-
19 lessness, individuals impacted by the criminal or
20 juvenile justice system, and foster and former
21 foster youth.

22 “(6) PROGRAM OVERSIGHT AND EVALUA-
23 TION.—The Administrator shall—

24 “(A) monitor State apprenticeship agen-
25 cies, State Offices of Apprenticeship, grantees,

1 and sponsors of programs under the national
2 apprenticeship system to ensure compliance
3 with the requirements of this Act;

4 “(B) provide technical assistance to assist
5 such entities with such compliance or program
6 performance;

7 “(C) conduct research and evaluation in
8 accordance with subtitle C; and

9 “(D) require regular reports on the per-
10 formance of state agencies, including on efforts
11 state agencies make to increase employer
12 awareness of apprenticeship programs for em-
13 ployers who have not participated.

14 “(7) PROMOTING DIVERSITY IN THE NATIONAL
15 APPRENTICESHIP SYSTEM.—The Administrator shall
16 promote diversity and ensure equal opportunity to
17 participate in programs for apprentices, youth ap-
18 prentices, and pre-apprentices, including—

19 “(A) taking steps necessary to promote di-
20 versity in occupations suitable for apprentice-
21 ship under the national apprenticeship system,
22 especially in high-skill, high-wage, or in-demand
23 industry sectors and occupations in areas with
24 high percentages of low-income individuals;

1 “(B) ensuring programs under the national
2 apprenticeship system—

3 “(i) adopt and implement the policies
4 and programs described in part 30 of title
5 29, Code of Federal Regulations (as in ef-
6 fect on January 1, 2022); and

7 “(ii) are subject, for any violation of
8 clause (i), to enforcement action under this
9 Act; and

10 “(C) supporting the recruitment, employ-
11 ment, and retention of nontraditional appren-
12 ticeship populations in programs under the na-
13 tional apprenticeship system in high-skill, high-
14 wage, and in-demand industry sectors and occu-
15 pations, including women, people of color, indi-
16 viduals with disabilities, low-income participants
17 in related Federal programs, individuals im-
18 pacted by the criminal and juvenile justice sys-
19 tem, and individuals with barriers to employ-
20 ment, as applicable.

21 “(8) GRANT AWARDS.—The Administrator shall
22 award grants, contracts, or cooperative agreements
23 under title II.

24 “(9) NATIONAL ADVISORY COMMITTEE.—The
25 Administrator shall—

1 “(A) regularly consult with the National
2 Advisory Committee on Apprenticeships under
3 section 112; and

4 “(B) ensure that the required rec-
5 ommendations and other reports of the Advi-
6 sory Committee are submitted to the Secretary
7 and transmitted to the Committee on Education
8 and Labor of the House of Representatives and
9 the Committee on Health, Education, Labor,
10 and Pensions of the Senate.

11 “(10) COORDINATION.—The Administrator
12 shall coordinate and align programs under the na-
13 tional apprenticeship system with related Federal
14 programs, to better promote participation in the na-
15 tional apprenticeship program.

16 “(c) INFORMATION COLLECTION AND DISSEMINA-
17 TION.—The Administrator shall provide for data collection
18 and dissemination of information regarding programs
19 under the national apprenticeship system, including—

20 “(1) not later than 1 year after the date of the
21 enactment of the National Apprenticeship Act of
22 2022, establishing and supporting a single informa-
23 tion technology infrastructure to support data collec-
24 tion and reporting from State apprenticeship agen-
25 cies, State Offices of Apprenticeship, grantees under

1 title II, program sponsors, and program administra-
2 tors under the national apprenticeship system by
3 providing for a data infrastructure that—

4 “(A) is developed and maintained by the
5 Administrator, with input from national data
6 and privacy experts, is informed by best prac-
7 tices on public provision of credential informa-
8 tion, and to the extent practicable, aligns with
9 the technology infrastructure for related Fed-
10 eral programs, such as the technology infra-
11 structure used under the Workforce Innovation
12 and Opportunity Act (29 U.S.C. 3101 et seq.);

13 “(B) best meets the needs of the national
14 apprenticeship system stakeholders reporting
15 data to the Administrator or State apprentice-
16 ship agencies, including through the provision
17 of technical assistance and financial assistance
18 as necessary to ensure reporting systems are
19 equipped to report into a single information
20 technology infrastructure; and

21 “(C) is aligned with data from the per-
22 formance reviews under section 131(b)(1)(A);

23 “(2) providing for data sharing that includes
24 making nonpersonally identifiable apprenticeship
25 data available on a publicly accessible website that

1 is consumer tested and is searchable and com-
2 parable, through the use of common, linked, open-
3 data description language, such as the credential
4 transparency description language or a substantially
5 similar resource, so that interested parties can be-
6 come aware of apprenticeship opportunities and of
7 program outcomes that best meets the needs of
8 youth apprentices, pre-apprentices, and apprentices,
9 employers, education and training providers, pro-
10 gram sponsors, and relevant stakeholders, includ-
11 ing—

12 “(A) information on program offerings
13 under the national apprenticeship system based
14 on geographical location and occupations suit-
15 able for apprenticeship;

16 “(B) information on education and train-
17 ing providers providing opportunities under
18 such system, including whether programs under
19 such system offer dual or concurrent enrollment
20 programs, articulation agreements, and recog-
21 nized postsecondary credentials as part of the
22 program offerings;

23 “(C) information about the educational
24 and occupational credentials and related com-
25 petencies of programs under such system; and

1 “(D) information based on the most recent
2 data available to the Office that is consistent
3 with national standards and practices.

4 **“SEC. 112. NATIONAL ADVISORY COMMITTEE ON APPREN-**
5 **TICESHIPS.**

6 “(a) ESTABLISHMENT.—

7 “(1) IN GENERAL.—There is established, in the
8 Department of Labor, a National Advisory Com-
9 mittee on Apprenticeships.

10 “(2) COMPOSITION.—

11 “(A) APPOINTMENTS.—The Advisory Com-
12 mittee shall consist of 27 voting members de-
13 scribed in subparagraph (B) appointed by the
14 Secretary.

15 “(B) LIST OF INDIVIDUALS.—The individ-
16 uals described in this subparagraph are—

17 “(i) 9 representatives of employers or
18 industry associations who participate in an
19 apprenticeship program (at least 1 of
20 which represents a women, minority, or
21 veteran-owned business), including rep-
22 resentatives of employers representing non-
23 traditional apprenticeship occupations, and
24 other high-skill, high-wage, or in-demand

1 industry sectors or occupations, as applica-
2 ble;

3 “(ii) 9 representatives of labor organi-
4 zations or joint labor-management organi-
5 zations who have responsibility for the ad-
6 ministration of an apprenticeship program
7 (including those sponsored by a joint labor-
8 management organization and from non-
9 traditional apprenticeship occupations), at
10 least 1 of which represent employees pri-
11 marily in the building trades and construc-
12 tion industry;

13 “(iii) 1 representative of each from—

14 “(I) a State apprenticeship agen-
15 cy;

16 “(II) a State or local workforce
17 development board with significant ex-
18 pertise in supporting a program under
19 the national apprenticeship system;

20 “(III) a community organization
21 with significant expertise supporting
22 such a program;

23 “(IV) an area career and tech-
24 nical education school or local edu-
25 cational agency;

1 “(V) a State apprenticeship
2 council;

3 “(VI) a State or local postsec-
4 ondary education and training pro-
5 viders that administers, or has not
6 less than 1 articulation agreement
7 with an entity administering, a pro-
8 gram under the national apprentice-
9 ship system;

10 “(VII) a provider of an industry
11 recognized credential;

12 “(VIII) a national qualified inter-
13 mediary, including a national qualified
14 intermediary that supports increased
15 participation of nontraditional appren-
16 ticeship populations and nontradi-
17 tional apprenticeship occupations; and

18 “(IX) a program participant.

19 “(C) EX OFFICIO NONVOTING MEMBERS.—
20 The Advisory Committee shall consist of ex offi-
21 cio nonvoting members from each of the fol-
22 lowing departments, selected by the applicable
23 Secretary—

24 “(i) the Department of Labor;

25 “(ii) the Department of Commerce;

- 1 “(iii) the Department of Education;
2 “(iv) the Department of Energy;
3 “(v) the Department of Housing and
4 Urban Development;
5 “(vi) the Department of Transpor-
6 tation;
7 “(vii) the Department of Veterans Af-
8 fairs;
9 “(viii) the Department of Health and
10 Human Services;
11 “(ix) the Department of Justice;
12 “(x) the Department of Defense; and
13 “(xi) the Federal Communications
14 Commission.

15 “(D) RECOMMENDATIONS.—The Speaker
16 of the House of Representatives, the Minority
17 Leader of the House of Representatives, the
18 Majority Leader of the Senate, and the Minor-
19 ity Leader of the Senate may each recommend
20 to the Secretary an individual described in
21 clause (i) or (ii) of subparagraph (B) for ap-
22 pointment under subparagraph (A) who shall be
23 subject to the requirements of paragraph (3).

24 “(3) QUALIFICATIONS.—An individual shall be
25 selected under paragraph (1) on the basis of the ex-

1 perience and competence of such individual with re-
2 spect to programs under the national apprenticeship
3 system.

4 “(4) TERMS.—

5 “(A) IN GENERAL.—Each voting member
6 of the Advisory Committee shall be appointed
7 for a term of 3 years, except as provided in
8 subparagraphs (B) through (D).

9 “(B) TERMS OF INITIAL APPOINTEES.—

10 “(i) IN GENERAL.—The appointments
11 of the initial members of the Advisory
12 Committee shall be made not later than 6
13 months after the effective date of the Na-
14 tional Apprenticeship Act of 2022.

15 “(ii) STAGGERING OF TERMS.—As
16 designated by the Secretary at the time of
17 the appointment, of the members first ap-
18 pointed—

19 “(I) one-third of such members
20 shall serve a 1-year term;

21 “(II) one-third of such members
22 shall serve a 2-year term; and

23 “(III) one-third of such members
24 shall serve a 3-year term.

1 “(C) VACANCIES.—Any member appointed
2 to fill a vacancy occurring before the expiration
3 of the term for which the member’s predecessor
4 was appointed shall be appointed only for the
5 remainder of that term. A member may serve
6 after the expiration of that member’s term until
7 a successor has taken office. A vacancy in the
8 Advisory Committee shall be filled in the man-
9 ner in which the original appointment was
10 made, except that such appointment shall be
11 made not later than 90 days after the date of
12 the vacancy. A member who fulfilled a partial
13 term as the result of a vacancy may, at the end
14 that term, be appointed to a full term.

15 “(D) MULTIPLE TERMS.—A voting mem-
16 ber of the Advisory Committee may serve not
17 more than 2 full terms on the Advisory Com-
18 mittee.

19 “(E) SUBCOMMITTEES.—The Secretary
20 may establish subcommittees under the Advi-
21 sory Committee, which shall be composed in
22 equal number of representatives from individ-
23 uals listed in subclauses (I), (II), and (III) of
24 subparagraph (B)(ii) to carry out specific func-
25 tions related to the purposes of the Advisory

1 Committee, and provide recommendations to
2 the Advisory Committee for the review and con-
3 sideration of the Advisory Committee, and
4 which may meet, as appropriate, when the Advi-
5 sory Committee is not meeting in accordance
6 with subsection (c).

7 “(b) CHAIRPERSON.—The Secretary shall designate
8 one of the voting members described in subsection
9 (a)(2)(A) of the Advisory Committee to serve as Chair-
10 person of the Advisory Committee.

11 “(c) MEETINGS.—

12 “(1) IN GENERAL.—The Advisory Committee
13 shall meet at the call of the Secretary and shall hold
14 not fewer than 4 meetings during each calendar
15 year. The Secretary shall consult with the Chair-
16 person in developing the agenda for the meeting.

17 “(2) OPEN ACCESS.—All meetings of the Advi-
18 sory Committee shall be open to the public. A tran-
19 scription shall be kept of each meeting and made avail-
20 able for public inspection within 30 days of the
21 meeting.

22 “(d) DUTIES.—The Advisory Committee shall, at a
23 minimum—

24 “(1) advise, consult with, and make rec-
25 ommendations to the Secretary on matters relating

1 to the administration of this Act, including rec-
2 ommendations on regulations and policies related to
3 the administration of this Act;

4 “(2) annually prepare a set of recommendations
5 for the Secretary, to be shared with the Committee
6 on Education and Labor of the House of Represent-
7 atives and the Committee on Health, Education,
8 Labor and Pensions of the Senate, to improve the
9 registration process under subtitle B to make the
10 process easily accessible and efficient for use by
11 sponsors while maintaining the requirements under
12 subtitle B;

13 “(3) make recommendations on expanding par-
14 ticipation of nontraditional apprenticeship popu-
15 lations in programs under the national apprentice-
16 ship system;

17 “(4) review occupations suitable for apprentice-
18 ship and, based on reviews of labor market trends
19 and changes, make recommendations to the Sec-
20 retary on whether to—

21 “(A) update the list of occupations suitable
22 for apprenticeship under section 111(b)(5)(A);
23 or

24 “(B) convene sector leaders and experts
25 under section 111(b)(5)(C) for the establishing

1 specific frameworks of national occupational
2 standards; and

3 “(5) make recommendations on the develop-
4 ment of demonstrations projects as described in sec-
5 tion 132(f).

6 “(e) PERSONNEL.—

7 “(1) COMPENSATION OF MEMBERS.—

8 “(A) IN GENERAL.—A member of the Ad-
9 visory Committee who is not an officer or em-
10 ployee of the Federal Government shall be com-
11 pensated at a rate equal to the daily equivalent
12 of the annual rate of basic pay prescribed for
13 level IV of the Executive Schedule under section
14 5315 of title 5, United States Code, for each
15 day (including travel time) during which the
16 member is engaged in the performance of the
17 duties of the Advisory Committee.

18 “(B) OFFICERS OR EMPLOYEES OF THE
19 UNITED STATES.—Members of the Advisory
20 Committee who are officers or employees of the
21 United States may not receive additional pay,
22 allowances, or benefits by reason of their service
23 on the Advisory Committee.

24 “(2) STAFF.—The Secretary shall supply the
25 Advisory Committee with an executive Secretary and

1 provide such secretarial, clerical, and other services
2 as the Secretary determines to be necessary to en-
3 able the Advisory Committee to carry out the duties
4 described in subsection (d).

5 “(3) DATA REQUESTS.—The Advisory Com-
6 mittee through its Chairperson may request data
7 from the Secretary as determined necessary by the
8 Advisory Committee to carry out its functions as de-
9 scribed in this section.

10 “(f) PERMANENT COMMITTEE.—The Federal Advi-
11 sory Committee Act (5 U.S.C. App.) (other than section
12 14 of such Act) shall apply to the Advisory Committee.

13 **“SEC. 113. STATE APPRENTICESHIP AGENCIES AND STATE**
14 **OFFICES OF APPRENTICESHIP.**

15 “(a) RECOGNITION OF STATE APPRENTICESHIP
16 AGENCIES.—

17 “(1) IN GENERAL.—The Administrator shall
18 recognize a State agency as a State apprenticeship
19 agency in accordance with this section and cooperate
20 with such State apprenticeship agency regarding the
21 formulation and promotion of standards of appren-
22 ticeship under subtitle B.

23 “(2) APPLICATION.—A State desiring to have a
24 State agency recognized as a State apprenticeship
25 agency under this section shall submit an application

1 at such time, in such manner, and containing such
2 information as the Administrator may require, in-
3 cluding—

4 “(A) the initial State plan described in
5 subsection (c)(2)(A)(i);

6 “(B) a description of how the State ap-
7 prenticeship agency will meet the State plan re-
8 quirements of subsection (c); and

9 “(C) a description of the linkages and co-
10 ordination of the State’s proposed standards,
11 criteria, and requirements with the State’s eco-
12 nomic development strategies and workforce de-
13 velopment system and the State’s secondary,
14 postsecondary, and adult education systems.

15 “(3) REVIEW AND RECOGNITION.—

16 “(A) IN GENERAL.—Not later than 6
17 months after the date on which a State submits
18 an application under paragraph (2), the Sec-
19 retary shall notify the State regarding whether
20 the agency of the State is recognized as a State
21 apprenticeship agency under this section.

22 “(B) DURATION OF RECOGNITION.—

23 “(i) DURATION.—The recognition of a
24 State apprenticeship agency shall be for a
25 4-year period beginning on the date the

1 State apprenticeship agency is notified
2 under subparagraph (A).

3 “(ii) NOTIFICATION.—

4 “(I) IN GENERAL.—The Sec-
5 retary shall notify a State apprentice-
6 ship agency not later than 180 days
7 before the last day of the 4-year pe-
8 riod regarding whether the State ap-
9 prenticeship agency is in compliance
10 with this section.

11 “(II) COMPLIANCE.—In the case
12 of a State apprenticeship agency that
13 is in compliance with this section, the
14 agency’s recognition under this section
15 shall be renewed for an additional 4-
16 year period and the notification under
17 subclause (I) shall include notification
18 of such renewal.

19 “(III) NONCOMPLIANCE.—In the
20 case of a State apprenticeship agency
21 that is not in compliance with this
22 section, the notification shall—

23 “(aa) specify the areas of
24 noncompliance;

1 “(bb) require corrective ac-
2 tion; and

3 “(cc) offer technical assist-
4 ance.

5 “(iii) RENEWAL AFTER CORREC-
6 TION.—If the Administrator determines
7 that a State apprenticeship agency has
8 corrected the identified areas of noncompli-
9 ance under this subparagraph not later
10 than 180 days of notification of noncompli-
11 ance, the State apprenticeship agency’s
12 recognition under this section shall be re-
13 newed for an additional 4-year period.

14 “(C) TRANSITION PERIOD FOR STATE
15 AGENCIES.—

16 “(i) IN GENERAL.—Not later than 1
17 year after the effective date of the Na-
18 tional Apprenticeship Act of 2022, a State
19 agency that, as of the day before the date
20 of enactment of such Act, was recognized
21 by the Secretary for purposes of reg-
22 istering apprenticeship programs in accord-
23 ance with this Act shall submit an applica-
24 tion under paragraph (2).

1 “(ii) TRANSITION PERIOD.—A State
2 agency described in clause (i) shall be rec-
3 ognized as a State apprenticeship agency
4 under this section for a 4-year period be-
5 ginning on the date on which the Secretary
6 approves the application submitted by the
7 State agency under paragraph (2).

8 “(b) AUTHORITY OF A STATE APPRENTICESHIP
9 AGENCY.—

10 “(1) IN GENERAL.—For the period during
11 which a State apprenticeship agency is recognized
12 under subsection (a) and to maintain such recogni-
13 tion, the State apprenticeship agency shall carry out
14 the requirements of this Act.

15 “(2) PROGRAM RECOGNITION.—With respect to
16 a State with a State apprenticeship agency, the
17 State apprenticeship agency shall have sole authority
18 to recognize and register a pre-apprenticeship, youth
19 apprenticeship, or apprenticeship program in such
20 State, which shall include—

21 “(A) determining whether such program is
22 in compliance with the standards for such pro-
23 gram under section 122;

24 “(B) in the case of such a program that is
25 in compliance with such standards, recognizing

1 the program and providing a certificate of rec-
2 ognition for such program;

3 “(C) providing technical assistance to cur-
4 rent or potential sponsors; and

5 “(D) in the case of such a program that
6 fails to meet the requirements of this Act, pro-
7 viding for the withdrawal of recognition of the
8 program in accordance with section 131(b).

9 “(3) STATE APPRENTICESHIP COUNCIL.—

10 “(A) IN GENERAL.—A State apprentice-
11 ship agency is authorized to establish and main-
12 tain a State apprenticeship council, which shall
13 operate under the direction and control of the
14 State apprenticeship agency, and whose func-
15 tions shall include providing the State appren-
16 ticeship agency with advice, recommendations,
17 and reports concerning apprenticeship policies,
18 regulations, and trends.

19 “(B) COMPOSITION.—A State apprentice-
20 ship council may be regulatory or advisory in
21 nature, and shall—

22 “(i) be composed of persons familiar
23 with occupations suitable for apprentice-
24 ship; and

1 “(ii) be fairly balanced, with an equal
2 number of—

3 “(I) representatives of employer
4 organizations, including from non-
5 traditional apprenticeship occupations;

6 “(II) representatives of labor or-
7 ganizations or joint labor-management
8 organizations, including from non-
9 traditional apprenticeship occupations;
10 and

11 “(III) public members; and

12 “(iii) to the extent practicable, have
13 not less than 1 member who is a member
14 of the State workforce board.

15 “(C) SPECIAL RULE.—A State apprentice-
16 ship council may make recommendations on a
17 sponsor’s application for program registration,
18 but shall not make final determinations on ap-
19 proval or disapproval of such application.

20 “(c) STATE PLAN.—

21 “(1) IN GENERAL.—For a State apprenticeship
22 agency to be eligible to receive allotments under sub-
23 section (f) and to be recognized under this section,
24 the State apprenticeship agency shall submit to the

1 Secretary a State plan that meets the requirements
2 of this subsection.

3 “(2) APPROVAL OF STATE PLAN.—

4 “(A) SUBMISSION.—

5 “(i) INITIAL PLAN.—The first State
6 plan of a State apprenticeship agency shall
7 contain the contents required under this
8 subsection, including the plan to promote
9 diversity in the national apprenticeship
10 system as described in paragraph (5), and
11 shall be submitted to the Administrator
12 not later than 120 days prior to the com-
13 mencement of the first full program year
14 of the State apprenticeship agency, which
15 shall include—

16 “(I) a description of any State
17 laws, policies, or operational proce-
18 dures relating to the process of recog-
19 nizing programs under the national
20 apprenticeship system that is incon-
21 sistent with, or imposes requirements
22 in addition to, the requirements of
23 this Act;

24 “(II) an assurance that the State
25 will notify the Administrator if there

1 are any changes to the State laws (in-
2 cluding regulations), policies, or pro-
3 cedures described in subclause (I) that
4 occur after the date of submission of
5 such plan; and

6 “(III) an assurance that the
7 State will make available on a publicly
8 available website a description of any
9 laws (including regulations), policies,
10 and operational procedures relating to
11 the process of recognizing programs
12 under the national apprenticeship sys-
13 tem that are inconsistent with, or im-
14 pose requirements in addition to, the
15 requirements of this Act.

16 “(ii) SUBSEQUENT PLANS.—Except as
17 provided in clause (i), a State plan shall be
18 submitted to the Administrator not later
19 than 120 days prior to the end of the 4-
20 year period covered by the preceding State
21 plan.

22 “(B) APPROVAL.—A State plan shall be
23 subject to the approval of the Administrator
24 and shall be considered to be approved at the
25 end of the 90-day period beginning on the date

1 that the plan is submitted under this para-
2 graph, unless the Administrator, during the 90-
3 day period, provides the State apprenticeship
4 agency, in writing—

5 “(i) an explanation for why the State
6 plan is inconsistent with the requirements
7 of this Act; and

8 “(ii) an opportunity for an appeal of
9 such determination to an Administrative
10 Law Judge for the Department of Labor
11 not later than 30 days after receipt of the
12 notice of denial from the Administrator.

13 “(C) MODIFICATIONS.—

14 “(i) MODIFICATIONS.—At the end of
15 the first 2-year period of any 4-year State
16 plan, the State may submit modifications
17 to the State plan to reflect changes in
18 labor market and economic conditions or
19 other factors affecting the implementation
20 of the State plan.

21 “(ii) APPROVAL.—A modified State
22 plan submitted for review under clause (i)
23 shall be subject to the approval require-
24 ments described in subparagraph (B).

1 “(3) TECHNICAL ASSISTANCE.—Each State
2 Plan shall describe how the State apprenticeship
3 agency will provide technical assistance for—

4 “(A) potential sponsors, employers, labor
5 organizations, joint labor-management organi-
6 zations, qualified intermediaries, apprentices,
7 education and training providers, credentialing
8 bodies, eligible entities, industry associations, or
9 any potential program participant in the na-
10 tional apprenticeship system in the State for
11 the purposes of recruitment, retention, program
12 development, expansion, or implementation, in-
13 cluding supporting remote or virtual learning or
14 training, as necessary;

15 “(B) sponsors of programs registered in
16 the State, including sponsors that are not meet-
17 ing performance goals under subtitle C, for pur-
18 poses of assisting sponsors in meeting or ex-
19 ceeding such goals; and

20 “(C) sponsors of programs registered in
21 that State for purposes of assisting such spon-
22 sors in achieving State goals in diversity and
23 equal opportunity in apprenticeships in accord-
24 ance with paragraph (5).

1 “(4) RECIPROCITY.—With respect to a program
2 recognized by a registration agency in another State
3 or that meets the national program standards of ap-
4 prenticeship, each State plan shall describe how the
5 State apprenticeship agency shall grant reciprocity
6 to such program by recognizing such program in the
7 State of such agency for purposes of this Act by not
8 later than 30 days after receipt of an application for
9 such recognition from a program sponsor, as long as
10 the program seeking such reciprocity—

11 “(A) meets the wage and hour provisions
12 of the State granting such reciprocity; and

13 “(B) in the case of a program that is de-
14 termined by the Secretary to be in a high-haz-
15 ard occupation, meets the numerical ratio re-
16 quirements of the State granting such reci-
17 procity if such requirements are more protective
18 with regard to health, safety, and supervision
19 than the numerical ratio requirements the pro-
20 gram is meeting as of the date of such applica-
21 tion.

22 “(5) PROMOTING DIVERSITY IN THE NATIONAL
23 APPRENTICESHIP SYSTEM.—Each State plan shall
24 include a plan for how the State apprenticeship
25 agency will—

1 “(A) promote diversity in occupations suit-
2 able for apprenticeship offered throughout the
3 State, and a description of how such agency will
4 promote the addition of such occupations in
5 high-skill, high-wage, or in-demand industry
6 sectors and occupations, and in nontraditional
7 apprenticeship occupations; and

8 “(B) promote diversity and equal oppor-
9 tunity in programs under the national appren-
10 ticeship system by uniformly adopting and im-
11 plementing the requirements of subparagraphs
12 (B) and (C) of section 111(b)(7).

13 “(6) COMPLAINTS.—

14 “(A) IN GENERAL.—Subject to subpara-
15 graph (B), each State plan shall include a de-
16 scription of the system for the State apprentice-
17 ship agency to receive and resolve complaints
18 submitted by program participants, the pro-
19 gram participant’s authorized representative,
20 sponsors, employers, or nonprofit compliance
21 organizations, such as complaints concerning
22 equal employment opportunity or discrimina-
23 tion, violations of the apprenticeship agreement,
24 or violations of requirements under this Act.

1 “(B) COLLECTIVE BARGAINING AGREE-
2 MENTS.—Any controversy arising under an ap-
3 prenticeship agreement which is covered by a
4 collective bargaining agreement shall not be
5 subject to the system described in subparagraph
6 (A), except that complaints concerning discrimi-
7 nation or any matters described in subpara-
8 graph (5)(B) shall be subject to such system.

9 “(7) STATE APPRENTICESHIP HUBS.—Each
10 State plan shall describe how the State will support,
11 in a manner that takes into consideration geographic
12 diversity, the creation and implementation of ap-
13 prenticeship hubs throughout the State that shall
14 work with industry and sector partnerships to ex-
15 pand programs under the national apprenticeship
16 system, and occupations suitable for apprenticeship,
17 in the State.

18 “(8) STATE APPRENTICESHIP PERFORMANCE
19 OUTCOMES.—Each State plan shall—

20 “(A) in coordination with the Adminis-
21 trator, establish annual State performance goals
22 for the programs registered by the State ap-
23 prenticeship agency for the indicators de-
24 scribed—

1 “(i) in subparagraph (A) of section
2 131(b)(1); and

3 “(ii) in subparagraph (B)(ii) of sec-
4 tion 131(b)(1); and

5 “(B) describe how the State apprenticeship
6 agency will collect performance data from pro-
7 grams registered by the agency; and

8 “(C) annually report on the outcomes of
9 each such program in relation to the State es-
10 tablished goals under subparagraph (A).

11 “(9) USES OF FUNDS.—Each State plan shall
12 include a description of the uses described in sub-
13 section (d) of the allotment received by the State ap-
14 prenticeship agency under subsection (f).

15 “(10) ALIGNMENT OF WORKFORCE ACTIVI-
16 TIES.—Each State plan shall include a summary of
17 State-supported workforce development activities (in-
18 cluding education and training) in the State, includ-
19 ing—

20 “(A) a summary of the apprenticeship pro-
21 grams on the list of eligible providers of train-
22 ing services under section 122(d) of the Work-
23 force Innovation and Opportunity Act (29
24 U.S.C. 3152(d));

1 “(B) the degree to which the programs
2 under the national apprenticeship system in the
3 State are aligned with and address the skill
4 needs of the employers in the State identified
5 by the State workforce development board; and

6 “(C) a description of how apprenticeship
7 programs will receive expedited consideration to
8 be included on the list of eligible providers of
9 training services under section 122(d) of the
10 Workforce Innovation and Opportunity Act (29
11 U.S.C. 3152(d)).

12 “(11) STATE STRATEGIC VISION.—Each State
13 plan shall include a summary of the State’s strategic
14 vision and set of goals for preparing an educated
15 and skilled workforce and for meeting the skilled
16 workforce needs of employers, including in existing
17 and emerging in-demand industry sectors and occu-
18 pations as identified by the State, and how the pro-
19 grams registered by the State apprenticeship agency
20 in the State will help to meet such goals.

21 “(12) STRATEGY FOR ANY JOINT PLANNING,
22 ALIGNMENT, COORDINATION, AND LEVERAGING OF
23 FUNDS.—Each State plan shall provide a description
24 of the State apprenticeship agency’s strategy for

1 joint planning, alignment, coordination, and
2 leveraging of funds—

3 “(A) with the State’s workforce develop-
4 ment system, to achieve the strategic vision and
5 goals described in paragraph (11), including the
6 core programs defined in section 3 of the Work-
7 force Innovation and Opportunity Act (29
8 U.S.C. 3102) and the elements related to sys-
9 tem alignment under section 102(b)(2)(B) of
10 such Act (29 U.S.C. 3112(b)(2)(B));

11 “(B) for programs under the national ap-
12 prenticeship system in the State with other
13 Federal education programs, including pro-
14 grams under—

15 “(i) the Elementary and Secondary
16 Education Act of 1965;

17 “(ii) the Individuals with Disabilities
18 Education Act;

19 “(iii) the Carl D. Perkins Career and
20 Technical Education Act of 2006; and

21 “(iv) the Higher Education Act of
22 1965; and

23 “(C) to provide information about access
24 to available State assistance or assistance under

1 related Federal programs, including such assist-
2 ance under—

3 “(i) section 6(d) of the Food and Nu-
4 trition Act of 2008;

5 “(ii) subsection (e)(1) of section 3672
6 of title 38, United States Code;

7 “(iii) section 231 of the Second
8 Chance Act of 2007 (34 U.S.C. 60541);
9 and

10 “(iv) the State Temporary Assistance
11 for Needy Families programs under part A
12 of title IV of the Social Security Act.

13 “(13) STATE APPRENTICESHIP COUNCIL.—
14 Each State plan shall provide for a description of
15 the composition, roles, and responsibility of the
16 State apprenticeship council, and how the Council
17 will comply with the requirements of subsection
18 (b)(3).

19 “(d) STATE APPRENTICESHIP AGENCY FUNDING.—
20 A State apprenticeship agency shall use funds received
21 under clauses (i) and (ii) of subsection (f)(1)(A) according
22 to the following requirements:

23 “(1) PROGRAM ADMINISTRATION.—The State
24 apprenticeship agency shall use such funds to sup-
25 port the administration of programs under the na-

1 tional apprenticeship system across the State, in-
2 cluding for—

3 “(A) staff and resources;

4 “(B) oversight and evaluation as required
5 under this Act;

6 “(C) technical assistance to program spon-
7 sors, program participants, employers, labor or-
8 ganizations, joint labor-management organiza-
9 tions, education and training providers, and
10 qualified intermediaries;

11 “(D) pre-apprenticeship, youth, and ap-
12 prenticeship program recruitment and develop-
13 ment, including for—

14 “(i) engaging potential providers of
15 such programs such as employers, qualified
16 intermediaries, related instruction pro-
17 viders, and potential program participants;

18 “(ii) publicizing apprenticeship oppor-
19 tunities and benefits; and

20 “(iii) engaging State workforce and
21 education systems for collaboration and
22 alignment across systems;

23 “(E) supporting the enrollment and ap-
24 prenticeship certification requirements to allow
25 veterans and other individuals eligible for the

1 educational assistance programs under chapters
2 30 through 36 of title 38, United States Code,
3 and any related educational assistance pro-
4 grams under laws administered by the Sec-
5 retary of Veterans Affairs, to use such assist-
6 ance for the apprenticeship program, including
7 the requirement of designating a certifying offi-
8 cial; and

9 “(F) supporting the retention and comple-
10 tion of program participants in such programs,
11 such as by assisting with the costs—

12 “(i) related to enrolling in such pro-
13 grams; or

14 “(ii) of assessments related to obtain-
15 ing a recognized postsecondary credential.

16 “(2) EDUCATIONAL ALIGNMENT.—The State
17 apprenticeship agency shall use not less than 10 per-
18 cent of such funds to engage with the State edu-
19 cation system to provide technical assistance and
20 best practices regarding—

21 “(A) alignment of youth apprenticeship
22 programs with the secondary education pro-
23 grams in the State, including support for career
24 exploration, career pathways, education and ca-
25 reer planning, and engagement with youth ap-

1 prenticeship programs for teachers, career guid-
2 ance and academic counselors, school leaders,
3 administrators, and specialized instructional
4 support personnel and paraprofessionals;

5 “(B) alignment of related instruction pro-
6 vided under the national apprenticeship system
7 in the State with academic credit granting post-
8 secondary programs (including developing ca-
9 reer pathways, articulation agreements, and
10 prior learning assessments); and

11 “(C) the joint planning, alignment, coordi-
12 nation, and leveraging of funds described in
13 subparagraphs (B) and (C) of subsection
14 (c)(12).

15 “(3) WORKFORCE ALIGNMENT.—The State ap-
16 prenticeship agency shall use not less than 10 per-
17 cent of such funds to engage with the State work-
18 force development system to provide technical assist-
19 ance and best practices regarding—

20 “(A) alignment with the State’s workforce
21 activities and strategic vision in accordance
22 with paragraphs (10), (11), and subparagraphs
23 (A) and (C) of paragraph (12) of subsection
24 (c);

1 “(B) guidance for training staff of the
2 workforce development system, including the vo-
3 cational rehabilitation agencies, within the
4 State on the value of programs under the na-
5 tional apprenticeship system as a work-based
6 learning option for participants, including par-
7 ticipants of programs authorized under the
8 Workforce Innovation and Opportunity Act (29
9 U.S.C. 3101 et seq.) such as Job Corps under
10 subtitle C of title I of such Act and YouthBuild
11 under section 171 of such Act;

12 “(C) providing a list of programs under
13 the national apprenticeship system that are of-
14 fered in the State, including in the State’s high-
15 skill, high-wage, or in-demand industry sectors
16 or occupations;

17 “(D) alignment of funding received and re-
18 porting required under this Act, including rel-
19 evant placement, retention, and earnings infor-
20 mation, with the Workforce Innovation and Op-
21 portunity Act (29 U.S.C. 3101 et seq.), and
22 technical assistance in how individual training
23 accounts under section 134(c)(3) of such Act
24 could be used to pay for the costs of enrolling

1 and participating in programs under the na-
2 tional apprenticeship system;

3 “(E) partnerships with State or local work-
4 force development boards, State workforce
5 agencies, and one-stop centers and one-stop op-
6 erators that assist program participants in ac-
7 cessing supportive services to support—

8 “(i) the recruitment, retention, and
9 completion of programs under the national
10 apprenticeship system, including the re-
11 cruitment of nontraditional populations
12 and dislocated workers;

13 “(ii) transitions from youth appren-
14 ticeships and pre-apprenticeships to ap-
15 prenticeship programs; and

16 “(iii) the placement into employment
17 or further education upon program comple-
18 tion; and

19 “(F) expanding the list of eligible providers
20 of training services under section 122(d) of the
21 Workforce Innovation and Opportunity Act to
22 include programs under the national apprentice-
23 ship system in the State (29 U.S.C. 3152(d)).

24 “(4) LEADERSHIP ACTIVITIES.—

1 “(A) IN GENERAL.—A State apprentice-
2 ship agency may reserve not more than 15 per-
3 cent of the funds received under subsection (f)
4 in support of State apprenticeship initiatives
5 described in this paragraph.

6 “(B) DIVERSITY.—Not less than 5 percent
7 of the amount reserved under subparagraph (A)
8 shall be used by the State apprenticeship agen-
9 cy for supporting and expanding diversity in oc-
10 cupations suitable for apprenticeship under the
11 national apprenticeship system in the State and
12 program participant populations in the State.

13 “(C) INCENTIVES FOR EMPLOYERS.—A
14 State apprenticeship agency may use funds re-
15 served under subparagraph (A) to incentivize
16 employers to participate in programs under the
17 national apprenticeship system, such as costs
18 related to program development, staffing for
19 mentors and supervisors, related instruction, or
20 the creation of industry or sector partnerships
21 to support employer participation.

22 “(D) STATE-SPECIFIC INITIATIVES.—A
23 State apprenticeship agency may use funds re-
24 served under subparagraph (A) for State-spe-
25 cific initiatives, such as the development or ex-

1 pansion of youth apprenticeship programs or
2 apprenticeship programs in high-skill, high-
3 wage, or in-demand industry sectors and occu-
4 pations.

5 “(5) STATE MATCH FOR FEDERAL INVEST-
6 MENT.—

7 “(A) IN GENERAL.—Except in the case of
8 exceptional circumstances, as determined by the
9 Administrator, in order to receive a full allot-
10 ment under subsection (f), a State apprentice-
11 ship agency shall use matching funds from non-
12 Federal resources to carry out the activities of
13 the agency under this Act in an amount not
14 less than 25 percent of such allotment.

15 “(B) TRANSITION PERIOD.—The require-
16 ment under this paragraph shall take effect
17 with respect to a State apprenticeship agency
18 on the date that is 1 day after the date on
19 which the transition period for such agency
20 under subsection (a)(3)(C)(ii) ends.

21 “(e) DERECOGNITION OF STATE APPRENTICESHIP
22 AGENCIES.—

23 “(1) IN GENERAL.—The Secretary may with-
24 draw recognition of a State apprenticeship agency
25 before the end of the agency’s 4-year recognition pe-

1 riod under subsection (a)(2)(B) if the Secretary de-
2 termines, after notice and an opportunity for a hear-
3 ing, that the State apprenticeship agency has failed
4 for one of the reasons described in paragraph (2),
5 and has not been in compliance with the perform-
6 ance improvement plan under paragraph (3) to rem-
7 edy such failure.

8 “(2) DERECOGNITION CRITERIA.—The recogni-
9 tion of a State apprenticeship agency under this sec-
10 tion may be withdrawn under paragraph (1) in a
11 case in which the State apprenticeship agency fails
12 to—

13 “(A) adopt or properly enforce a State
14 plan;

15 “(B) properly carry out its role as the sole
16 registration agency in the State;

17 “(C) submit a report under section
18 131(b)(1)(B) for any program year;

19 “(D) meet the State levels of performance
20 as described in subsection (c)(8)(A) or dem-
21 onstrate improvements in performance for 3
22 consecutive program years; or

23 “(E) otherwise fulfill or operate in compli-
24 ance with the requirements of this Act.

25 “(3) DERECOGNITION PROCESS.—

1 “(A) IN GENERAL.—If a State apprentice-
2 ship agency fails for any of the reasons de-
3 scribed in paragraph (2), the Secretary shall
4 provide technical assistance to such agency for
5 corrective action to remedy such failure, includ-
6 ing assistance in the development of a perform-
7 ance improvement plan.

8 “(B) REDUCTION OF FUNDS.—Except in
9 the case of exceptional circumstances as deter-
10 mined by the Administrator, in a case in which
11 such a State apprenticeship agency continues
12 such failure after the provision of the technical
13 assistance under subparagraph (A)—

14 “(i) the percentage of the funds to be
15 allotted to the State apprenticeship agency
16 under subsection (f) for each fiscal year
17 following the fiscal year in which such fail-
18 ure has been identified shall be reduced by
19 5 percentage points; and

20 “(ii) the Administrator shall provide
21 notice to the State apprenticeship agency
22 that the agency’s recognition under this
23 section may be withdrawn if the agency
24 fails to remedy the failure.

1 “(C) TERMINATION OF PROCEEDINGS.—If
2 the Administrator determines that the State ap-
3 prenticeship agency’s corrective action under
4 subparagraph (A) has addressed the agency’s
5 failure identified under paragraph (2), the Ad-
6 ministrator shall—

7 “(i) restore the agency’s full funding
8 allocation under this title for the next full
9 fiscal year; and

10 “(ii) notify the State apprenticeship
11 agency that the agency’s recognition will
12 not be withdrawn under this section for
13 the reason for which the agency’s funding
14 under this title was most recently reduced.

15 “(D) OPPORTUNITY FOR HEARING.—

16 “(i) IN GENERAL.—In a case in which
17 a State apprenticeship agency fails to rem-
18 edy a failure identified under paragraph
19 (2), the Administrator shall—

20 “(I) notify, in writing, the State
21 apprenticeship agency of the failure of
22 the State apprenticeship agency, in-
23 cluding a description of such failure
24 and an explanation that the agency’s
25 recognition under this section may be

1 withdrawn as a result of such failure;
2 and

3 “(II) offer the State apprentice-
4 ship agency an opportunity to request
5 a hearing not later than 30 days after
6 the date of such notice.

7 “(ii) REFERRAL TO OFFICE OF AD-
8 MINISTRATIVE LAW JUDGES.—In a case in
9 which the State apprenticeship agency re-
10 quests a hearing under clause (i)(II), the
11 Administrator shall refer the matter to the
12 Office of Administrative Law Judges for a
13 recommended decision by the Administra-
14 tive Review Board for final agency action.

15 “(4) REQUIREMENTS REGARDING WITHDRAWAL
16 OF RECOGNITION.—

17 “(A) OFFICE OF APPRENTICESHIP.—

18 “(i) PRIOR TO ORDER.—Prior to the
19 withdrawal of the recognition of a State
20 apprenticeship agency under this section,
21 the Administrator shall—

22 “(I) provide to the State appren-
23 ticeship agency an order withdrawing
24 recognition of such agency under this
25 section; and

1 “(II) establish a State Office of
2 Apprenticeship; and

3 “(ii) AFTER ORDER.—Not later than
4 30 days after the date of such order, pro-
5 vide notification of the withdrawal to the
6 sponsors of the programs under the na-
7 tional apprenticeship system in such State
8 that were registered with the State appren-
9 ticeship agency to enable each such spon-
10 sor to be registered with the Administrator
11 (acting through the State Office of Ap-
12 prenticeship established under clause
13 (i)(II)).

14 “(B) STATE APPRENTICESHIP AGENCY RE-
15 QUIREMENTS.—A State agency whose recogni-
16 tion as a State apprenticeship agency under
17 this section has been withdrawn under para-
18 graph (3) shall—

19 “(i) provide to the Administrator pro-
20 gram standards, apprenticeship agree-
21 ments, completion records, cancellation and
22 suspension records, performance metrics,
23 and any other documents relating to the
24 State’s programs under the national ap-
25 prenticeship system in the State;

1 “(ii) cooperate fully during the transi-
2 tion period beginning on the date of the
3 order withdrawing such recognition and
4 ending on the date on which the Adminis-
5 trator establishes a State Office of Appren-
6 ticeship in the State; and

7 “(iii) return any unused funds re-
8 ceived under this Act.

9 “(5) REINSTATEMENT OF RECOGNITION.—A
10 State apprenticeship agency that has had its rec-
11 ognition withdrawn under this section may have
12 such recognition reinstated upon presentation of
13 adequate evidence that the State apprenticeship
14 agency has—

15 “(A) submitted an application under sub-
16 section (a)(2); and

17 “(B) demonstrated the ability to operate in
18 compliance with the requirements of this Act.

19 “(f) RESERVATION AND STATE ALLOTMENTS.—

20 “(1) STATE ALLOTMENTS.—

21 “(A) IN GENERAL.—Of the amount appro-
22 priated under subsection (g) for a fiscal year—

23 “(i) 33 $\frac{1}{3}$ percent shall be equally dis-
24 tributed among each State Office of Ap-

1 prenticeship, outlying area, and eligible
2 State; and

3 “(ii) 66 $\frac{2}{3}$ percent shall be allotted to
4 eligible States on the basis described in
5 subparagraph (B).

6 “(B) FORMULA.—

7 “(i) IN GENERAL.—Of the amount
8 available under subparagraph (A)(ii)—

9 “(I) 25 percent shall be allotted
10 on the basis of the relative share of
11 program participants in each eligible
12 State, as determined on the basis of
13 the most recent satisfactory data
14 available from the Administrator,
15 compared to the total number of pro-
16 gram participants in all eligible
17 States, as determined on such basis;

18 “(II) 25 percent shall be allotted
19 on the basis of the relative share of
20 program participants who have com-
21 pleted a program under the national
22 apprenticeship system in each eligible
23 State during the most recent 5-year
24 period, as determined on the basis of
25 the most recent satisfactory data

1 available from the Administrator,
2 compared to the total 5-year average
3 of program participants who have
4 completed a program in all eligible
5 States, as determined on such basis;
6 and

7 “(III) 50 percent shall be allotted
8 on the basis described in clause (ii).

9 “(ii) ALLOTMENTS BASED ON BLS
10 AND ACS DATA.—Of the amount available
11 under clause (i)(III)—

12 “(I) $33\frac{1}{3}$ percent shall be allot-
13 ted on the basis of the relative share
14 of individuals in the civilian labor
15 force in each eligible State, compared
16 to the total number of individuals in
17 the civilian labor force in all eligible
18 States;

19 “(II) $33\frac{1}{3}$ percent shall be allot-
20 ted on the basis of the relative share
21 of individuals living below the poverty
22 line in each eligible State, compared
23 to the total number of individuals liv-
24 ing below the poverty line in all eligi-
25 ble States; and

1 “(III) 33 $\frac{1}{3}$ percent shall be allot-
2 ted on the basis of the relative num-
3 ber of unemployed individuals in each
4 eligible State, compared to the total
5 number of unemployed individuals in
6 all eligible States.

7 “(2) DEFINITIONS.—In this subsection—

8 “(A) ELIGIBLE STATE.—The term ‘eligible
9 State’ means a State (as defined in section 2)
10 that has a State apprenticeship agency.

11 “(B) POVERTY LINE.—The term ‘poverty
12 line’ has the meaning given such term in sec-
13 tion 3 of the Workforce Innovation and Oppor-
14 tunity Act (29 U.S.C. 3102).

15 “(C) UNEMPLOYED INDIVIDUAL.—The
16 term ‘unemployed individual’ has the meaning
17 given such term in section 3 of the Workforce
18 Innovation and Opportunity Act (29 U.S.C.
19 3102).

20 “(g) AUTHORIZATION OF APPROPRIATIONS.—There
21 are authorized to be appropriated to carry out this sec-
22 tion—

23 “(1) \$75,000,000 for fiscal year 2023;

24 “(2) \$85,000,000 for fiscal year 2024;

25 “(3) \$95,000,000 for fiscal year 2025;

1 “(4) \$105,000,000 for fiscal year 2026; and

2 “(5) \$115,000,000 for fiscal year 2027.

3 **“SEC. 114. INTERAGENCY AGREEMENT WITH DEPARTMENT**
4 **OF EDUCATION.**

5 “(a) IN GENERAL.—Not later than 1 year after the
6 effective date of the National Apprenticeship Act of 2022,
7 in order to cooperate with the Secretary of Education and
8 promote awareness and adoption of apprenticeship pro-
9 grams, the Secretary (acting through the Administrator)
10 shall—

11 “(1) enter into an interagency agreement with
12 the Secretary of Education to promote and support
13 integration and alignment of programs under the
14 national apprenticeship system with secondary, post-
15 secondary, and adult education, through the activi-
16 ties described in this section; and

17 “(2) submit to the Committee on Education
18 and Labor of the House of Representatives and the
19 Committee on Health, Education, Labor, and Pen-
20 sions of Senate, such agreement and any modifica-
21 tions to such agreement.

22 “(b) ALIGNMENT FOR YOUTH APPRENTICESHIPS.—
23 In order to promote alignment between youth apprentice-
24 ship programs and high school graduation requirements,

1 the interagency agreement under subsection (a) shall de-
2 scribe how the Secretaries will work to provide—

3 “(1) information and resources to—

4 “(A) parents and students to promote a
5 better understanding of programs under the na-
6 tional apprenticeship system and their value in
7 secondary and postsecondary education and ca-
8 reer pathways by not later than middle school,
9 and that are in user-friendly formats and lan-
10 guages that are easily accessible, as determined
11 by the Secretaries; and

12 “(B) school leaders (working with aca-
13 demic counselors, teachers, and faculty) about
14 the value of such programs and information on
15 how to effectively align youth apprenticeship
16 programs with secondary and career and tech-
17 nical education programs; and

18 “(2) technical assistance on how to—

19 “(A) align related instruction and skills
20 and competencies for occupations suitable for
21 apprenticeship to high school graduation re-
22 quirements;

23 “(B) offer related instruction through dual
24 and concurrent enrollment programs and other
25 accelerated learning programs, as described in

1 section 4104(b)(3)(A)(i)(IV) of the Elementary
2 and Secondary Education Act of 1965 (20
3 U.S.C. 7114(b)(3)(A)(i)(IV));

4 “(C) facilitate transitions for youth ap-
5 prentices who have completed their youth ap-
6 prenticeships into further education, including
7 an associate, baccalaureate, or advanced degree,
8 and related apprenticeship opportunities; and

9 “(D) align activities carried out under this
10 Act with eligible funding from, and planning
11 processes for, the Carl D. Perkins Career and
12 Technical Education Act of 2006 (20 U.S.C.
13 2301 et seq.), the Elementary and Secondary
14 Education Act of 1965 (20 U.S.C. 6301 et
15 seq.), the Individuals with Disabilities Edu-
16 cation Act (20 U.S.C. 1400 et seq.), the Reha-
17 bilitation Act of 1973, and the Higher Edu-
18 cation Act of 1965 (20 U.S.C. 1001 et seq.).

19 “(c) APPRENTICESHIP COLLEGE CONSORTIUM.—In
20 order to support the establishment of a college consortium
21 of postsecondary educational institutions, including minor-
22 ity serving institutions, related instruction providers,
23 sponsors, qualified intermediaries, employers, labor orga-
24 nizations, and joint labor-management organizations for
25 the purposes of promoting stronger connections between

1 programs under the national apprenticeship system and
2 participating 2- and 4-year postsecondary educational in-
3 stitutions, the interagency agreement under subsection (a)
4 shall include a description of how the Secretaries will—

5 “(1) support data sharing systems that align
6 education records and records of programs under
7 the national apprenticeship system regarding wheth-
8 er program participants who receive financial aid
9 under title IV of the Higher Education Act of 1965
10 enroll in, or complete, postsecondary coursework
11 while participating in a program under such system;

12 “(2) provide guidance on how to align eligible
13 funding from, planning processes for, and the re-
14 quirements of the Carl D. Perkins Career and Tech-
15 nical Education Act of 2006 (20 U.S.C. 2301 et
16 seq.), the Rehabilitation Act of 1973, and the High-
17 er Education Act of 1965 (20 U.S.C. 1001 et seq.)
18 with this Act;

19 “(3) require all participants of the apprentice-
20 ship college consortium to enter into agreements
21 to—

22 “(A) have an articulation agreement with a
23 participating sponsor of an apprenticeship pro-
24 gram, which may include a 2- or 4-year postsec-
25 ondary educational institution;

1 “(B) create or expand the awarding and
2 articulation of academic credit for related in-
3 struction completed and credentials awarded to
4 program participants as part of a program
5 under the national apprenticeship system; and

6 “(C) support the creation or expansion of
7 electronic transcripts for apprenticeship pro-
8 grams and all academic content, including re-
9 lated instruction and on-the-job training;

10 “(4) provide technical assistance on eligible
11 uses of financial aid, including the Federal work
12 study program under part C of title IV of the High-
13 er Education Act of 1965 (20 U.S.C. 1087–51 et
14 seq.), for related instruction for programs under the
15 national apprenticeship system;

16 “(5) provide to consortium participants or po-
17 tential participants information regarding—

18 “(A) a list of apprenticeship programs in
19 related occupations offered in the State or
20 available under the Office of Apprenticeship
21 that may become part of the consortium;

22 “(B) information on how to develop an ap-
23 prenticeship program;

24 “(C) information on Federal, State, and
25 local financial resources available to assist with

1 the establishment and implementation of ap-
2 prenticeship programs; and

3 “(D) information on related qualified inter-
4 mediaries or industry or sector partnerships
5 supporting apprenticeship programs, as applica-
6 ble; and

7 “(6) support information regarding the appren-
8 ticeship consortium being made available on a pub-
9 licly accessible website, including—

10 “(A) a list of participating members of the
11 consortium, apprenticeship programs provided,
12 credentials awarded with each program, and
13 available occupations suitable for apprentice-
14 ship; and

15 “(B) models of articulation agreements,
16 prior learning assessments, and competency-
17 based curriculum for related instruction for il-
18 lustrative purposes.

19 “(d) BEST PRACTICE DEVELOPMENT AND SHAR-
20 ING.—

21 “(1) DISSEMINATION.—Such interagency agree-
22 ment shall require that the Secretaries disseminate
23 information on the value of programs under the na-
24 tional apprenticeship system, including relevant
25 placement, retention, and earnings information,

1 labor market data from the local area, and sector
2 forecasts to determine high-skill, high-wage, or in-
3 demand industry sectors or occupations of such pro-
4 grams, to local education and training providers,
5 labor organizations, or joint labor-management orga-
6 nizations (including those representing teachers).

7 “(2) CLEARINGHOUSE.—Such agreement shall
8 require the Secretaries to create a clearinghouse of
9 best practices—

10 “(A) for improving performance and in-
11 creasing alignment of education and programs
12 under the national apprenticeship system, in-
13 cluding career pathways; and

14 “(B) publicly disseminate information and
15 resources on—

16 “(i) replicable related instruction and
17 on-the-job learning; and

18 “(ii) how to build an understanding of
19 apprenticeship opportunities available to
20 students.

21 “(e) DATA SHARING AGREEMENT.—The Secretaries
22 shall disseminate best practices for the alignment of edu-
23 cation records and records of programs under the national
24 apprenticeship system, including information on program
25 participants who enroll in, complete, and receive academic

1 credit for postsecondary coursework while participating in
2 such a program.

3 “(f) SECRETARIES DEFINED.—In this section, the
4 term ‘Secretaries’ means the Secretary of Labor and the
5 Secretary of Education.

6 **“Subtitle B—Process and Stand-**
7 **ards for the National Appren-**
8 **ticeship System**

9 **“SEC. 121. OCCUPATIONS SUITABLE FOR APPRENTICESHIP.**

10 “(a) IN GENERAL.—For an occupation to be consid-
11 ered suitable for apprenticeship under this Act, a person
12 seeking approval for such occupation to be an occupation
13 suitable for apprenticeship shall submit to the Adminis-
14 trator, an application that demonstrates demand from
15 multiple employers in such occupation for a program
16 under the national apprenticeship system in such occupa-
17 tion that will prepare individuals for the full range of skills
18 and competencies needed for such occupation by describ-
19 ing how the occupation will—

20 “(1) meet the national occupational standards
21 under section 111(b)(5)(C); or

22 “(2) involve the progressive attainment of skills,
23 competencies, and knowledge that are—

1 “(A) clearly identified and commonly rec-
2 cognized throughout the relevant industry or oc-
3 cupation;

4 “(B) customarily learned or enhanced in a
5 practical way through a structured, systematic
6 program of on-the-job supervised learning and
7 related instruction to supplement such learning;
8 and

9 “(C) offered through a time-based, com-
10 petency-based, or hybrid model as described in
11 section 122(b)(1)(E).

12 “(b) ASSESSMENT.—In assessing whether an applica-
13 tion submitted under subsection (a) meets the require-
14 ments of paragraph (1) or (2) of such subsection, a reg-
15 istration agency shall—

16 “(1) conduct a comprehensive assessment of the
17 skills, techniques, and competencies required by the
18 occupation, which assesses whether such skills, tech-
19 niques, and competencies—

20 “(A) are specialized and acquired optimally
21 through a structured, systematic training pro-
22 gram involving close on-the-job supervision and
23 mentoring by subject-matter experts;

24 “(B) require at least 2,000 hours of on-
25 the-job learning and mentoring, or whether an

1 alternative amount of time is appropriate for
2 the occupation; and

3 “(C) are acquired optimally through a sup-
4 plementary educational or instructional compo-
5 nent conveying theoretical and conceptual
6 knowledge relevant to the occupation; and

7 “(2) determine whether the occupation is an oc-
8 cupation that is commonly recognized throughout an
9 industry or sector.

10 **“SEC. 122. QUALITY STANDARDS OF PROGRAMS UNDER**
11 **THE NATIONAL APPRENTICESHIP SYSTEM.**

12 “(a) IN GENERAL.—The Secretary, acting through
13 the Administrator, shall formulate and promote the fur-
14 therance of quality standards necessary to safeguard the
15 welfare of apprentices, pre-apprentices, and youth appren-
16 tices.

17 “(b) APPRENTICESHIP PROGRAM STANDARDS.—In
18 addition to the standards described in subsection (e), an
19 apprenticeship program shall meet the following stand-
20 ards:

21 “(1) The program has an organized and clearly
22 written plan, developed by the sponsor, that in-
23 cludes, at a minimum, the following information:

1 “(A) The employment and training to be
2 received by each apprentice participating in the
3 program, including—

4 “(i) an outline of the work processes
5 or the plan in which the apprentice will re-
6 ceive supervised work experience, on-the-
7 job training, and on-the-job learning;

8 “(ii) the allocation of the approximate
9 amount of time that will be spent in each
10 major work process by the apprentice;

11 “(iii) a description of the mentoring
12 that will be provided to the apprentice; and

13 “(iv) a description or timeline explain-
14 ing the periodic reviews and evaluations of
15 the apprentice’s performance on the job
16 and in related instruction.

17 “(B) A process for maintaining appro-
18 priate progress records, including the reviews
19 and evaluations described in subparagraph
20 (A)(iv).

21 “(C) A description of the organized related
22 instruction the apprentice will receive in tech-
23 nical subjects related to the occupation,
24 which—

1 “(i) for time-based or hybrid appren-
2 ticeship programs as described in para-
3 graph (E), shall include not less than 144
4 hours for each year of apprenticeship, un-
5 less an alternative requirement is put forth
6 by the employer and sponsor that reflects
7 industry standards and is accepted by the
8 registration agency;

9 “(ii) may be accomplished through
10 classroom instruction, occupational or in-
11 dustry courses, instruction provided
12 through electronic media, or other instruc-
13 tion approved by the registration agency;

14 “(iii) shall be provided by one or more
15 qualified instructors that—

16 “(I)(aa) meet technical instructor
17 requirements of the applicable edu-
18 cation agency in the State of registra-
19 tion; or

20 “(bb) are subject matter experts,
21 defined for purposes of this subpara-
22 graph as individuals recognized within
23 an industry as having expertise in a
24 specific occupation; and

1 “(II) have training in teaching
2 techniques and learning styles, or will
3 obtain such training before providing
4 the related technical instruction;

5 “(iv) where appropriate and to the ex-
6 tent practicable, shall be aligned to a ca-
7 reer pathway; and

8 “(v) where appropriate and to the ex-
9 tent practicable, incorporate the principles
10 of universal design for learning under sec-
11 tion 103 of the Higher Education Act of
12 1965 (20 U.S.C. 1003).

13 “(D) A progressively increasing, clearly de-
14 fined schedule of wages to be paid to the ap-
15 prentice that is—

16 “(i) consistent with measurable skill
17 gains; and

18 “(ii) ensures the entry wage is not
19 less than the greater of—

20 “(I) the minimum wage required
21 under section 6(a) of the Fair Labor
22 Standards Act of 1938 (29 U.S.C.
23 206(a)); or

24 “(II) the applicable wage re-
25 quired by other applicable Federal or

1 State laws (including regulations) or
2 collective bargaining agreements.

3 “(E) The term of the apprenticeship pro-
4 gram, which may be measured using—

5 “(i) a time-based model, which re-
6 quires the completion of the industry
7 standard for on-the-job learning hours,
8 which in no case shall be less than a cumu-
9 lative 2,000 hours, unless an alternative
10 requirement is put forth by the employer
11 and sponsor from a nontraditional appren-
12 ticeship occupation as of the date of the
13 enactment of the National Apprenticeship
14 Act of 2022 that reflects industry stand-
15 ards and the relative hazards of the occu-
16 pation, and is accepted by the Secretary
17 and registration agency;

18 “(ii) a competency-based model, which
19 requires the attainment of competency in
20 the occupation; or

21 “(iii) a hybrid model, which blends the
22 time-based and competency-based ap-
23 proaches.

24 “(F) The methods used to measure an ap-
25 prentice’s skills and competencies, which may

1 include an initial diagnostic assessment or as-
2 sessment of credentials that verify an individ-
3 ual’s foundational knowledge and skills that
4 would be needed to succeed in an apprentice-
5 ship program, and which shall include—

6 “(i) in the case of a time-based ap-
7 prenticeship described in subparagraph
8 (E)(i), the individual apprentice’s comple-
9 tion of the required hours of on-the-job
10 learning as described in a work process
11 schedule;

12 “(ii) in the case of a competency-
13 based model described in subparagraph
14 (E)(ii), the individual apprentice’s success-
15 ful demonstration of acquired skills and
16 knowledge through appropriate means of
17 testing and evaluation for such com-
18 petencies, and by requiring apprentices to
19 complete a paid on-the-job learning compo-
20 nent of the apprenticeship; or

21 “(iii) in the case of a hybrid appren-
22 ticeship described in subparagraph (E)(iii),
23 a combination of a specified minimum
24 number of hours of on-the-job learning and
25 the successful demonstration of com-

1 petency, as described in subparagraph
2 (E)(i) and a work process schedule.

3 “(2) The program equally grants advanced
4 standing or credit to all individuals applying for the
5 apprenticeship with demonstrated competency or ac-
6 quired experience, training, or skills, and provides
7 commensurate wages for any progression in standing
8 or credit so granted, including for veterans’ service-
9 acquired skills and experiences.

10 “(3) The program has minimum qualifications
11 for individuals desiring to enter the apprenticeship
12 program, with an eligible starting age for an appren-
13 tice of not less than 16 years.

14 “(4) In the case of a program that chooses to
15 issue an interim credential, the program—

16 “(A) clearly identifies each interim creden-
17 tial;

18 “(B) only issues an interim credential for
19 recognized components of an occupation suit-
20 able for apprenticeship and demonstrates how
21 each interim credential specifically links to the
22 knowledge, skills, and abilities associated with
23 such components; and

24 “(C) establishes the process for assessing
25 an individual apprentice’s demonstration of

1 competency and measurable skill gains associ-
2 ated with the particular interim credential.

3 “(c) PRE-APPRENTICESHIP PROGRAM STAND-
4 ARDS.—In addition to the standards described in sub-
5 section (e), a pre-apprenticeship program shall meet the
6 following standards:

7 “(1) The program is designed to assist individ-
8 uals who do not meet minimum qualifications for an
9 apprenticeship program as described in subsection
10 (b) and prepare them to enter and succeed in such
11 an apprenticeship programs, including by providing
12 the skills and competency attainment needed to
13 enter the apprenticeship program.

14 “(2) The program—

15 “(A) is carried out by a sponsor that has
16 a written agreement with at least one sponsor
17 of an apprenticeship program;

18 “(B) demonstrates the existence of an ac-
19 tive, advisory partnership with an industry or
20 sector partnership to inform the training and
21 education services necessary for a pre-appren-
22 ticeship program;

23 “(C) demonstrates evidence of sufficient
24 demand in an apprenticeship program at the
25 completion of a pre-apprenticeship program to

1 support a transition from a pre-apprenticeship
2 to an apprenticeship; and

3 “(D) demonstrates partnerships with quali-
4 fied intermediaries, community-based organiza-
5 tions, labor organizations, or joint labor-man-
6 agement organizations.

7 “(3) The program includes a written plan devel-
8 oped by the sponsor of the pre-apprenticeship pro-
9 gram that is developed in consultation with the
10 sponsor of the apprenticeship program described in
11 paragraph (2)(A), that—

12 “(A) provides for work-based learning, and
13 paid work-based learning to the extent prac-
14 ticable, in which an industry or sector partner-
15 ship and a related instruction provider collabo-
16 rate to provide training that will introduce par-
17 ticipants to the skills, competencies, and mate-
18 rials used in one or more occupations suitable
19 for apprenticeship;

20 “(B) is based on and aligned with national,
21 State, regional, or local industry standards for
22 high-skill, high-wage, or in-demand industry
23 sectors and occupations, and the requirements
24 of the related apprenticeship program;

1 “(C) to the extent appropriate and prac-
2 ticable, meets the related instruction require-
3 ments as described in clauses (ii) through (iv)
4 of subsection (b)(1)(C) that includes enabling
5 an individual to attain a secondary school di-
6 ploma or its recognized equivalent that enables
7 a pre-apprentice to enter into an apprenticeship
8 program; and

9 “(D) includes mentoring, career exposure,
10 career planning, and career awareness activi-
11 ties.

12 “(d) YOUTH APPRENTICESHIP PROGRAM STAND-
13 ARDS.—In addition to the standards described in sub-
14 section (e), a youth apprenticeship program shall meet the
15 following standards:

16 “(1) The program is designed for youth appren-
17 tices who at the start of the program are enrolled
18 in high school.

19 “(2) The program includes each of the following
20 core elements:

21 “(A) The employment and training to be
22 received by each youth apprentice participating
23 in the program, including—

24 “(i) an outline of the work processes
25 or the plan in which the youth apprentice

1 will receive supervised work experience and
2 on-the-job training or in an experiential
3 setting;

4 “(ii) the allocation of the approximate
5 amount of time that will be spent in each
6 major work process by the youth appren-
7 tice;

8 “(iii) a description of the mentoring
9 that will be provided to the youth appren-
10 tice; and

11 “(iv) a description or timeline explain-
12 ing the periodic reviews and evaluations of
13 the youth apprentice’s performance on the
14 job and in related instruction.

15 “(B) A process for maintaining appro-
16 priate progress records, including the reviews
17 and evaluations described in subparagraph
18 (A)(iv).

19 “(C) Related classroom-based instruction,
20 which may be fulfilled through dual or concu-
21 rent enrollment, and—

22 “(i) is, to the extent practicable,
23 aligned with high school diploma require-
24 ments and career clusters; and

1 “(ii) meets the additional require-
2 ments as described in subsection (b)(1)(C).

3 “(D) A progressively increasing, clearly de-
4 fined schedule of wages to be paid to the youth
5 apprentice.

6 “(E) The term of the youth apprenticeship
7 program, as described in subsection (b)(1)(E).

8 “(F) For a competency-based or hybrid
9 youth apprenticeship program, the methods
10 used to measure skill acquisition for a youth
11 apprentice, including ongoing assessment
12 against established skill and competency stand-
13 ards as described in subsection (b)(1)(F).

14 “(G) Prepares the youth apprentice for
15 placement in further education, employment, or
16 an apprenticeship program.

17 “(3) The program equally grants advanced
18 standing or credit to all individuals applying for the
19 youth apprenticeship with demonstrated competency
20 or acquired experience, training, or skills.

21 “(4) In the case of a youth apprenticeship pro-
22 gram that chooses to issue an interim credential, the
23 program meets the requirements of subsection
24 (b)(4).

1 “(e) GENERAL REQUIREMENTS.—Each program
2 under the national apprenticeship system shall meet the
3 following standards:

4 “(1) The program—

5 “(A) has adequate and safe equipment, en-
6 vironments, and facilities for training and su-
7 pervision;

8 “(B) provides safety training on-the-job
9 and in related instruction as applicable by the
10 occupation suitable for apprenticeship; and

11 “(C) provides adequate training for men-
12 tors and qualified instructors on providing a
13 safe work and training environment.

14 “(2) The program records and maintains all
15 records concerning the program as may be required
16 by the Secretary, the registration agency of the pro-
17 gram, or any other applicable law, including records
18 required under title 38, United States Code, in order
19 for veterans and other individuals eligible for edu-
20 cational assistance under such title to use such as-
21 sistance for enrollment in the program.

22 “(3) The program provides—

23 “(A) all individuals with an equal oppor-
24 tunity to participate in the program as de-

1 scribed in subparagraphs (B) and (C) of section
2 111(b)(7); and

3 “(B) materials that meet, at a minimum,
4 conformance to Level AA of the Web Content
5 Accessibility Guidelines 2.0 of the Web Accessi-
6 bility Initiative (or any successor guidelines).

7 “(4) The program awards a certificate of com-
8 pletion in recognition of successful completion of the
9 program, evidenced by an appropriate certificate
10 issued by the registration agency, and in the case of
11 apprenticeships and youth apprenticeships, prepares
12 a program participant to obtain a recognized post-
13 secondary credential.

14 “(5) The program provides that an individual
15 who is to become a program participant under the
16 program enters into a written apprenticeship agree-
17 ment described in section 123 with the sponsor of
18 the program.

19 “(6) The numeric ratio of program participants
20 to supervisors (such as journeyworkers, mentors, or
21 on-the-job learning instructors, as applicable) for the
22 occupation suitable for apprenticeship, which are
23 based on evidence-based and evidence-informed best
24 practices for supervision, training, safety, and con-
25 tinuity of employment, throughout the work proc-

1 esses of the program, job site, department, or plant,
2 appropriate for the degree of hazard in different oc-
3 cupations, and—

4 “(A) are consistent with provisions in col-
5 lective bargaining agreements, as applicable, ex-
6 cept if such ratios are expressly prohibited by
7 the collective bargaining agreements;

8 “(B) provide that such a ratio does not
9 contravene the application of other Federal or
10 State laws that may establish more protective
11 standards with respect to the establishment of
12 ratios of apprentices to journeyworkers, includ-
13 ing any rules or orders promulgated under the
14 Fair Labor Standards Act of 1938 with respect
15 to the employment, training, and supervision of
16 16- and 17-year old youth apprentices in cer-
17 tain hazardous occupations.

18 **“SEC. 123. APPRENTICESHIP AGREEMENTS.**

19 “(a) IN GENERAL.—To ensure the standards de-
20 scribed in section 122 are applied to programs under the
21 national apprenticeship system, the Administrator shall
22 require a sponsor to develop an apprenticeship agreement
23 that shall—

24 “(1) be the same for each program participant;

1 “(2) contain the names and signatures of the
2 program participant and the sponsor;

3 “(3) meet the requirements of subsection (b);
4 and

5 “(4) be submitted to the registration agency in
6 accordance with section 124 by the program spon-
7 sor.

8 “(b) STANDARDS.—Each agreement under sub-
9 section (a) shall contain, explicitly or by reference, pro-
10 gram standards under section 122, including—

11 “(1) in the case of an apprenticeship pro-
12 gram—

13 “(A) that is time-based, a statement of the
14 number of hours to be spent by the program
15 participant in on-the-job learning and on-the-
16 job training in order to complete the program;

17 “(B) that is competency-based, a descrip-
18 tion of the skill sets to be attained by comple-
19 tion of the program, including the on-the-job
20 learning and work components; or

21 “(C) that is a hybrid model, the minimum
22 number of hours to be spent by the program
23 participant in on-the-job learning and work
24 components and in related instruction, and a

1 description of the skill sets and competencies to
2 be attained by completion of the program;

3 “(2) the number of hours and form of related
4 instruction, including how related instruction will be
5 compensated (whether through academic credit,
6 wages, or both), the costs the program participant
7 will incur for participating in the program (such as
8 for equipment, related instruction, or assessment or
9 licensure fees), and the recognized postsecondary
10 credentials the program participants will be eligible
11 to receive upon program completion;

12 “(3) a schedule of the work processes in the oc-
13 cupation or industry divisions in which the program
14 participant is to be trained and the approximate
15 time to be spent at each process;

16 “(4) for apprenticeships or youth apprentice-
17 ships, the graduated wage scale to be paid to the ap-
18 prentices, benefits offered to the apprentices, and
19 how the wages and benefits compare to State, local,
20 or regional wages in the related occupation; and

21 “(5) demonstration of commitment to and com-
22 pliance with subparagraphs (B) and (C) of section
23 111(b)(7).

24 “(c) COLLECTIVE BARGAINING.—Nothing in an ap-
25 prenticeship agreement or this Act shall operate to invali-

1 date an applicable provision in a collective bargaining
2 agreement between employers and employees establishing
3 higher standards for programs under the national appren-
4 ticeship system.

5 **“SEC. 124. REGISTRATION OF PROGRAMS UNDER THE NA-**
6 **TIONAL APPRENTICESHIP SYSTEM.**

7 “(a) PROGRAM REGISTRATION APPLICATION.—In
8 order to bring together employers and labor for the formu-
9 lation of programs under the national apprenticeship sys-
10 tem, the Administrator shall provide for the registration
11 of programs in which a sponsor applying to register a pro-
12 gram under the national apprenticeship system shall re-
13 quest registration of such program from a registration
14 agency by submitting the information required by the reg-
15 istration agency, including—

16 “(1) information demonstrating that each of
17 the requirements of section 122 will be met for the
18 program;

19 “(2) a copy of the apprenticeship agreement de-
20 scribed in section 123 used by the sponsor;

21 “(3) a written assurance that, if the program is
22 registered under this Act, the sponsor will—

23 “(A) administer the program in accordance
24 with the requirements of this Act and comply

1 with the requirements of the apprenticeship
2 agreement for each apprentice; and

3 “(B) enroll at least 1 program participant;
4 and

5 “(4) methods the program sponsor will use to
6 report performance data describing outcomes associ-
7 ated with the program as required by the registra-
8 tion agency—

9 “(A) on an annual basis for any program
10 sponsor with fewer than 5 program partici-
11 pants; or

12 “(B) on a quarterly basis for any program
13 sponsor with 5 or more program participants.

14 “(b) RECOGNITION AND REGISTRATION PROCESS.—

15 “(1) REVIEW AND APPROVAL PROCESS.—

16 “(A) PROVISIONAL APPROVAL REVIEW.—

17 An application submitted under subsection (a)
18 that the registration agency determines meets
19 the requirements described in such subsection
20 shall be registered for a provisional 1-year pe-
21 riod beginning not later than 30 days after
22 such application is submitted. During such pe-
23 riod, the registration agency shall accept and
24 record the apprenticeship agreement as evidence

1 of the program’s compliance and registration to
2 operate such program.

3 “(B) FULL APPROVAL OR EXTENDED PRO-
4 VISIONAL APPROVAL.—By the end of a provi-
5 sional registration period for a program, the
6 registration agency providing provisional ap-
7 proval under subparagraph (A) shall review the
8 program for quality and for compliance with the
9 applicable standards under this subtitle and all
10 other applicable program requirements under
11 this Act, and—

12 “(i) if a registration agency con-
13 ducting a provisional review determines
14 that the program complies with the stand-
15 ards and requirements under this Act, the
16 registration agency shall fully approve the
17 registration of the program; or

18 “(ii) if a registration agency con-
19 ducting a provisional review determines
20 that the program is not conforming to the
21 requirements or standards under this Act,
22 the registration agency may continue the
23 provisional registration of the program
24 through the first full training cycle for pro-
25 gram participants, and conduct an addi-

1 tional provisional review at the conclusion
2 of the training cycle.

3 “(C) FAILURE TO MEET REQUIRE-
4 MENTS.—If, after an initial provisional review
5 under subparagraph (A), a registration agency
6 conducting such provisional review determines
7 that the program is not in operation or does not
8 conform to the requirements under this Act, the
9 registration agency shall recommend technical
10 assistance and corrective action for the pro-
11 gram, or deregistration, in accordance with pro-
12 cedures established under subsections (b) and
13 (c) of section 131.

14 “(2) CERTIFICATE OF REGISTRATION.—

15 “(A) IN GENERAL.—A registration agency
16 that registers a program under paragraph (1)
17 shall—

18 “(i) provide the sponsor of the pro-
19 gram with a certificate of registration or
20 other written evidence of registration; and

21 “(ii) provide a copy of the certificate
22 of registration to the Secretary of Veterans
23 Affairs or the applicable State veterans
24 agency for the purpose of aligning the reg-
25 istration process with the process for ap-

1 proving such program for eligible veterans’
2 use of supplemental educational assistance
3 benefits.

4 “(B) REGISTRATION NAME.—A program
5 shall be registered in the name of the sponsor,
6 or if a sponsor enters into a partnership with
7 an employer who registers the program, in the
8 name of the employer.

9 “(3) PROGRAM PARTICIPANT REGISTRATION.—
10 A sponsor providing a program that is registered in
11 accordance with paragraph (2) shall provide to an
12 individual seeking to be a program participant the
13 opportunity to apply through the sponsor, and
14 shall—

15 “(A) enter into a written individual ap-
16 prenticeship agreement described in section 123
17 with each such individual before the commence-
18 ment of the program; and

19 “(B) individually register each program
20 participant with the registration agency by fil-
21 ing a copy of the individual apprenticeship
22 agreement with the registration agency or as
23 otherwise required by the registration agency,
24 and sharing a copy with the Administrator as

1 appropriate, as described under section
2 123(a)(4).

3 “(4) TRANSITION PROCESS FOR PREVIOUSLY
4 APPROVED PROGRAMS.—With respect to a program
5 that was registered under this Act as of the day be-
6 fore the date of enactment of the National Appren-
7 ticeship Act of 2022, the registration agency shall
8 take such steps as necessary to—

9 “(A) in the case of a program that meets
10 of the requirements of this Act, maintain the
11 status of the sponsor of the program as of the
12 date before such date of enactment as the spon-
13 sor of such program under this Act; and

14 “(B) in the case of a program that does
15 not meet the requirements of this Act, provide
16 technical assistance to the sponsor of such pro-
17 gram to ensure that the sponsor is in compli-
18 ance with this Act not later than 3 years after
19 the date of enactment of the National Appren-
20 ticeship Act of 2022.

21 “(c) MODIFICATIONS OR CHANGES TO YOUTH AP-
22 PRENTICESHIP, PRE-APPRENTICESHIP, OR APPRENTICE-
23 SHIP PROGRAMS.—

24 “(1) SPONSOR PROPOSAL.—Any sponsor that
25 wishes to modify a program, including the program’s

1 method of meeting the standards required under this
2 Act, shall submit the proposal for such change or
3 modification to the registration agency for the pro-
4 gram.

5 “(2) REGISTRATION AGENCY REQUIREMENTS.—

6 “(A) IN GENERAL.—The registration agen-
7 cy shall determine whether to approve the pro-
8 posal and notify the sponsor of the determina-
9 tion by not later than 60 days after receipt of
10 the proposal.

11 “(B) APPROVAL OF PROPOSAL.—If the
12 proposal is approved, the registration agency
13 shall amend the record of the program to reflect
14 the modification or change, and provide the
15 sponsor or program administrator with an ac-
16 knowledgment of the amended program, by not
17 later than 30 days after the date of approval.

18 “(C) DISAPPROVAL OF PROPOSAL.—If the
19 proposal is not approved, the registration agen-
20 cy shall—

21 “(i) notify the sponsor of the reasons
22 for the disapproval and provide the sponsor
23 with technical assistance to maintain the
24 program as originally registered;

1 “(ii) provide the sponsor with the op-
2 portunity to submit a revised modification
3 proposal, including providing appropriate
4 technical assistance to modify the proposal
5 in order to meet the requirements of this
6 Act; and

7 “(iii) in a case in which the sponsor
8 submits a revised modification proposal,
9 not later than 60 days after receipt of such
10 proposal—

11 “(I) approve the proposal; or

12 “(II) disapprove the proposal and
13 provide the sponsor with technical as-
14 sistance to maintain the program as
15 originally registered.

16 “(D) LIST OF DISAPPROVED PROGRAMS.—

17 The registration agency shall maintain a list of
18 programs that were disapproved which includes
19 the reasons for each such disapproval and pro-
20 vide such list to the Administrator at least an-
21 nually.

1 **“Subtitle C—Evaluations and**
2 **Research**

3 **“SEC. 131. PROGRAM EVALUATIONS.**

4 “(a) PURPOSE.—The purpose of this section is to
5 provide program performance transparency across the
6 programs under the national apprenticeship system, assess
7 the effectiveness of States in achieving positive outcomes
8 for program participants served by those programs, and
9 establish performance accountability measures related to
10 program completion and key indicators of performance
11 under the Workforce Innovation and Opportunity Act (29
12 U.S.C. 3101 et seq.).

13 “(b) REVIEWS BY REGISTRATION AGENCIES.—

14 “(1) PERFORMANCE REVIEWS.—

15 “(A) IN GENERAL.—A registration agency
16 shall—

17 “(i) annually collect performance data
18 for each program registered under section
19 124 by such agency to determine—

20 “(I) the performance of the pro-
21 gram with respect to the indicators of
22 performance under section
23 116(b)(2)(A)(i) of the Workforce In-
24 novation and Opportunity Act (29
25 U.S.C. 3141(b)(2)(A)(i) or in the case

1 of a youth apprenticeship program,
2 section 116(b)(2)(A)(ii) of such Act
3 (29 U.S.C. 3141(b)(2)(A)(ii)), as ap-
4 plied to programs under the national
5 apprenticeship system; and

6 “(II) the completion rates of the
7 program;

8 “(ii) provide technical assistance for
9 the collection of the information under
10 clause (i) of this subparagraph and sub-
11 paragraph (B), as necessary;

12 “(iii) comply with the report require-
13 ments under subparagraph (B); and

14 “(iv) provide data collected under
15 clause (i) of this subparagraph and sub-
16 paragraph (B), disaggregated in accord-
17 ance with clause (ii) of subparagraph (B),
18 to the independent entity conducting the
19 evaluations on behalf of the Secretary
20 under section 132.

21 “(B) REPORTS.—

22 “(i) IN GENERAL.—The registration
23 agency for a State shall annually prepare
24 and submit to the Administrator a State
25 performance report that is disaggregated

1 in accordance with clause (ii), and includes
2 the following information with respect to
3 each program registered under section 124
4 by such agency:

5 “(I) Information specifying the
6 levels of performance described in
7 subparagraph (A), as compared to
8 goals set in section 113(c)(8)(A)(i).

9 “(II) The percentage of program
10 participants by race, sex ethnicity
11 and, to the extent practicable, by indi-
12 viduals with disabilities, as compared
13 to such percentages within the work-
14 ing age population who are in the geo-
15 graphical area from which the sponsor
16 usually seeks or reasonably could seek
17 program participants and who meet
18 the minimum eligibility requirements
19 for entry into in the program.

20 “(III) The percentage of program
21 participants served by each of the pro-
22 grams that obtained unsubsidized em-
23 ployment in a field related to the oc-
24 cupation suitable for apprenticeship.

1 “(IV) The average time to com-
2 pletion for the program as compared
3 to the description in the agreement
4 under paragraphs (1) and (2) of sec-
5 tion 123(b).

6 “(V) The average cost per partic-
7 ipant during the most recent program
8 year and the 3 preceding program
9 years.

10 “(VI) The percentage of program
11 participants who received supportive
12 services.

13 “(VII) Information on the State’s
14 activities required under section
15 113(c), including the State’s uses of
16 funds.

17 “(ii) DISAGGREGATION.—The per-
18 formance data described in subclauses (I)
19 through (VI) of clause (i) shall be
20 disaggregated—

21 “(I) by the program type (ap-
22 prenticeship, youth apprenticeship, or
23 pre-apprenticeship program) involved;
24 and

1 “(II) by race, ethnicity, sex, age,
2 veteran status, and membership in a
3 population specified in section 3(24)
4 of the Workforce Innovation and Op-
5 portunity Act (29 U.S.C. 3102(24)).

6 “(C) REPORTS TO CONGRESS.—Not later
7 than 60 days after receiving a report under
8 subparagraph (B), the Secretary shall transmit
9 to the Committee on Education and Labor of
10 the House of Representatives and the Com-
11 mittee on Health, Education, Labor, and Pen-
12 sions of the Senate.

13 “(D) PUBLICATION.—The Administrator
14 shall annually make available on a publicly ac-
15 cessible website each report received under sub-
16 paragraph (B) not later than 30 days after re-
17 ceipt of such report.

18 “(2) COMPREHENSIVE PROGRAM REVIEWS.—

19 “(A) IN GENERAL.—A registration agency
20 shall periodically review each program reg-
21 istered under section 124 by such agency for
22 quality assurance and compliance with the re-
23 quirements of this Act.

24 “(B) TIMING OF REVIEWS.—A review de-
25 scribed in subparagraph (A) shall occur—

1 “(i) at the end of the first full train-
2 ing cycle of program participants under
3 the program; and

4 “(ii) beginning after the review de-
5 scribed in clause (i) at least once every 5
6 years.

7 “(C) REVIEW.—The review shall be a com-
8 prehensive review regarding all aspects of the
9 program performance, including—

10 “(i) determining whether the registra-
11 tion agency is receiving notification from
12 the sponsor of a program regarding indi-
13 viduals who are registered as new youth
14 apprentices, pre-apprentices, or apprentices
15 under the program, or who successfully
16 complete the program, as required under
17 this Act;

18 “(ii) determining whether the sponsor
19 of the program is complying with the re-
20 quirements of this Act;

21 “(iii) evaluating the performance of
22 the sponsor with respect to, at a minimum,
23 the indicators described in paragraph
24 (1)(A)(i), with the performance data

1 disaggregated as described in paragraph
2 (1)(B)(viii); and

3 “(iv) ensuring the sponsor’s compli-
4 ance with the requirement to provide equal
5 opportunity in recruitment, training, and
6 employment as described in subparagraphs
7 (B) and (C) of section 111(b)(7).

8 “(D) REPORTS.—On completion of a re-
9 view under this paragraph, the registration
10 agency shall prepare and submit to the Admin-
11 istrator a report containing the results of the
12 review.

13 “(c) SUBSEQUENT ACTION.—

14 “(1) TECHNICAL ASSISTANCE.—The registra-
15 tion agency shall provide technical assistance to the
16 sponsor and identify areas that require technical as-
17 sistance, including—

18 “(A) to support the sponsor in creating a
19 plan to meet the State goals described in sec-
20 tion 113(c)(8)(A)(ii), as applicable; and

21 “(B) assistance in the development of a
22 performance improvement plan if the registra-
23 tion agency determines, pursuant to any review
24 under subsection (b), that the youth apprentice-

1 ship, pre-apprenticeship, or apprenticeship pro-
2 gram—

3 “(i) is not in operation;

4 “(ii) is not in compliance with the re-
5 quirements of this Act; or

6 “(iii) is achieving levels of perform-
7 ance on any indicators described in sub-
8 section (b)(1)(A)(i) that are lower than the
9 State goals for any program year.

10 “(2) CORRECTIVE ACTION AND
11 DEREGISTRATION OF AN APPRENTICESHIP PRO-
12 GRAM.—The registration agency may take corrective
13 action, and if warranted, deregister a youth appren-
14 ticeship, pre-apprenticeship, or apprenticeship pro-
15 gram, after making a determination that the pro-
16 gram demonstrates persistent and significant failure
17 to perform successfully, which occurs when—

18 “(A) the sponsor of the program consist-
19 ently fails to register at least 1 program partici-
20 pant;

21 “(B) the program shows a pattern of poor
22 results on the indicators described in subsection
23 (b)(1)(A)(i) over a period of 3 years, given the
24 characteristics of program participants and eco-

1 nomic conditions in the area served, or are
2 lower than the national or State average;

3 “(C) the program shows no indication of
4 improvement in the areas identified by the reg-
5 istration agency and in the performance im-
6 provement plan under paragraph (1); or

7 “(D) the sponsor has not administered the
8 program in accordance with the program’s reg-
9 istration, as applicable, or with the require-
10 ments of this Act.

11 “(3) NOTIFICATION AND HEARING.—If the reg-
12 istration agency makes a determination described in
13 paragraph (2), the registration agency shall notify
14 the Secretary and the sponsor of the determination
15 in writing, and permit the sponsor to request a hear-
16 ing by the Office of Administrative Law Judges. The
17 registration agency shall transmit to the Secretary a
18 report containing all pertinent facts and cir-
19 cumstances concerning the determination, including
20 findings and a recommendation for deregistration,
21 and copies of all relevant documents and records. If
22 the sponsor does not request the hearing not later
23 than 15 days after receiving such notification, the
24 registration agency shall deregister the program

1 after the period for requesting such a hearing has
2 expired.

3 “(4) NOTIFICATION AND TREATMENT OF AP-
4 PRENTICES.—Not later than 15 days after the reg-
5 istration agency deregisters a program, the sponsor
6 or program administrator shall notify program par-
7 ticipant—

8 “(A) of such deregistration and the effec-
9 tive date;

10 “(B) that such deregistration automatically
11 deprives the program participant of individual
12 registration as part of such youth apprentice-
13 ship, pre-apprenticeship, or apprenticeship pro-
14 gram, including the ability to receive a certifi-
15 cate of completion from the registration agency;

16 “(C) that the deregistration of the pro-
17 gram removes the program participant from eli-
18 gibility for any Federal financial or other assist-
19 ance, or rights, privileges, or exemptions under
20 Federal law, that—

21 “(i) relates to an apprentice; and

22 “(ii) requires the registration agency’s
23 approval; and

24 “(D) that all youth apprentices, pre-ap-
25 prentices, or apprentices are referred to the

1 registration agency for information about po-
2 tential transfers to other programs under the
3 national apprenticeship system.

4 **“SEC. 132. NATIONAL APPRENTICESHIP SYSTEM RE-**
5 **SEARCH.**

6 “(a) RESEARCH.—The Secretary shall conduct,
7 through an independent entity, research for the purpose
8 of improving the management and effectiveness of the pro-
9 grams and activities carried out under this Act and to as-
10 sist in the evaluation of the programs as described in sec-
11 tion 131.

12 “(b) TECHNIQUES.—The research conducted under
13 this section shall utilize appropriate methodology and re-
14 search designs.

15 “(c) CONTENTS.—Such research shall address—

16 “(1) the general effectiveness of such programs
17 and activities in relation to their cost, including the
18 extent to which the programs and activities—

19 “(A) improve the skill and employment
20 competencies of participants in comparison to
21 comparably-situated individuals who did not
22 participate in such programs and activities;

23 “(B) to the extent feasible, increase the
24 levels of total employment, of attainment of rec-
25 ognized postsecondary credentials, and of meas-

1 urable skills, above the levels that would have
2 existed in the absence of such programs and ac-
3 tivities;

4 “(C) respond to the needs reflected in
5 labor market data in the local area and align
6 with high-skill, high-wage, or in-demand indus-
7 tries or occupations;

8 “(D) demonstrate a return on investment
9 of Federal, State, local, sponsor, employer, and
10 other funding for programs under the national
11 apprenticeship system, capturing the full level
12 of investment in, and impact of, such programs
13 under the national apprenticeship system; and

14 “(E) regularly assess the impact of ap-
15 prenticeship programs under the national ap-
16 prentice system in effectively increasing the
17 participation of women, minorities, individuals
18 with disabilities, long term unemployed, individ-
19 uals impacted by the criminal and juvenile jus-
20 tice system, foster and former foster youth, and
21 individuals with barriers to employment;

22 “(2) the impact of the National Apprenticeship
23 Act of 2022 on the general effectiveness of programs
24 under the national apprenticeship system, including
25 the implementation of policies such as dual or con-

1 current enrollment programs, advanced standing, or
2 national occupational standards;

3 “(3) best practices in increasing participation of
4 nontraditional apprenticeship populations and indi-
5 viduals with barriers to employment, including indi-
6 viduals with disabilities, in programs under the na-
7 tional apprenticeship system; and

8 “(4) opportunities to scale up effective models
9 under the national apprenticeship system.

10 “(d) REPORTS.—

11 “(1) INDEPENDENT ENTITY.—The independent
12 entity carrying out the research shall prepare and
13 submit to the Secretary—

14 “(A) an interim report containing findings
15 from the research; and

16 “(B) a final report containing the results
17 of the research, including policy recommenda-
18 tions.

19 “(2) REPORTS TO CONGRESS.—Not later than
20 60 days after receipt of the interim report and final
21 report described in subparagraphs (A) and (B) of
22 paragraph (1), respectively, the Secretary shall sub-
23 mit each report to the Committee on Education and
24 Labor of the House of Representatives and the Com-

1 mittee on Health, Education, Labor, and Pensions
2 of the Senate.

3 “(e) PUBLIC ACCESS.—The Secretary shall make the
4 interim and final reports available on a publicly accessible
5 website not later than 60 days after the receipt of the in-
6 terim and final report.

7 “(f) DEMONSTRATION AUTHORITY.—

8 “(1) IN GENERAL.—The Secretary may initiate
9 and carry out demonstration projects that—

10 “(A) are limited in size and scope;

11 “(B) have a duration of no more than 3
12 years; and

13 “(C) are carried out in nontraditional ap-
14 prenticeship occupations, such as advanced
15 manufacturing or information technology.

16 “(2) NATIONAL ADVISORY COMMITTEE RE-
17 VIEW.—Prior to initiating a demonstration project,
18 the Secretary shall—

19 “(A) request the advice of the National
20 Advisory Committee regarding such demonstra-
21 tion project, and consider such recommendation
22 in making a determination whether to initiate
23 and carry out such project; and

24 “(B) not less than 15 days prior to the an-
25 nouncement of such demonstration project, in-

1 form the Committee on Education and Labor of
2 the House of Representatives and the Com-
3 mittee on Health, Education, Labor, and Pen-
4 sions of the Senate that the Secretary will be
5 initiating such demonstration project.

6 “(3) LIMITATION ON FUNDING.—In initiating
7 and carrying out demonstration projects under sub-
8 section (a), the Secretary may not use more than
9 \$2,000,000 annually, and shall not exceed \$500,000
10 per demonstration project.

11 **“Subtitle D—General Provisions**

12 **“SEC. 141. AUTHORIZATION OF APPROPRIATIONS.**

13 “(a) OFFICE OF APPRENTICESHIP.—There are au-
14 thorized to be appropriated to carry out sections 111, 112,
15 131, and 132—

16 “(1) \$50,000,000 for fiscal year 2023;

17 “(2) \$60,000,000 for fiscal year 2024;

18 “(3) \$70,000,000 for fiscal year 2025;

19 “(4) \$80,000,000 for fiscal year 2026; and

20 “(5) \$90,000,000 for fiscal year 2027.

21 “(b) INTERAGENCY AGREEMENT.—There are author-
22 ized to be appropriated to carry out section 114—

23 “(1) \$10,000,000 for fiscal year 2023;

24 “(2) \$12,000,000 for fiscal year 2024;

25 “(3) \$14,000,000 for fiscal year 2025;

1 “(4) \$16,000,000 for fiscal year 2026; and

2 “(5) \$18,000,000 for fiscal year 2027.

3 **“TITLE II—MODERNIZING THE**
4 **NATIONAL APPRENTICESHIP**
5 **SYSTEM FOR THE 21ST CEN-**
6 **TURY GRANTS**

7 **“SEC. 201. GRANT REQUIREMENTS.**

8 “(a) AUTHORITY.—

9 “(1) IN GENERAL.—The Administrator shall
10 award grants, contracts, or cooperative agreements
11 to eligible entities on a competitive basis for the fol-
12 lowing purposes:

13 “(A) CREATION AND EXPANSION ACTIVI-
14 TIES.—To expand the offerings of programs
15 under the national apprenticeship system—

16 “(i) to create new apprenticeship pro-
17 grams in a nontraditional apprenticeship
18 occupation, such as for programs dem-
19 onstrating demand in advanced manufac-
20 turing (including semiconductor and auto-
21 motive manufacturing), cybersecurity and
22 information technology, computer science,
23 clean energy (including renewable energy,
24 environmental protection, and conserva-
25 tion), transportation (including electric ve-

1 hicle infrastructure), health care, or edu-
2 cation (including early childhood edu-
3 cation);

4 “(ii) to expand existing apprenticeship
5 programs demonstrating labor market de-
6 mand;

7 “(iii) to create new or expand existing
8 pre-apprenticeship programs; or

9 “(iv) to create new or expand existing
10 youth apprenticeship programs.

11 “(B) ENCOURAGING EMPLOYER PARTICI-
12 PATION.—To encourage employer participation
13 in programs under the national apprenticeship
14 system—

15 “(i) that target individuals with bar-
16 riers to employment in youth apprentice-
17 ship, pre-apprenticeship, or apprenticeship
18 programs, prioritizing nontraditional ap-
19 prenticeship populations such as women,
20 minorities, English language learners,
21 long-term unemployed, individuals with a
22 disability, individuals with substance abuse
23 issues, veterans, military spouses, individ-
24 uals experiencing homelessness, individuals
25 impacted by the criminal or juvenile justice

1 system, and foster and former foster
2 youth;

3 “(ii) that are in high-need social serv-
4 ice-related industries, sectors, or occupa-
5 tions, such as direct care workers and
6 early childhood, elementary school, and
7 secondary school educators;

8 “(iii) that target individuals currently
9 or recently incarcerated; or

10 “(iv) among small- and medium-sized
11 employers.

12 “(C) INTERMEDIARY GRANTS.—To estab-
13 lish or expand sector-based partnerships for the
14 delivery of programs under the national appren-
15 ticeship system to significant scale through—

16 “(i) national industry qualified inter-
17 mediaries in key sectors, including manu-
18 facturing, information technology, cyber
19 security, health care, insurance and fi-
20 nance, energy, hospitality, retail, construc-
21 tion, and other sectors identified by the
22 Administrator and the Advisory Committee
23 as targeted for expansion under the na-
24 tional apprenticeship system;

1 “(ii) national equity qualified inter-
2 mediaries serving nontraditional appren-
3 ticeship populations, women, minorities, in-
4 dividuals with disabilities, and individuals
5 impacted by the criminal or juvenile justice
6 system; or

7 “(iii) local or regional qualified inter-
8 mediaries serving programs under the na-
9 tional apprenticeship system.

10 “(D) EDUCATIONAL ALIGNMENT.—To
11 strengthen alignment between programs under
12 the national apprenticeship system and edu-
13 cation and training providers with secondary,
14 postsecondary, and adult education systems, in-
15 cluding degree and credential requirements.

16 “(2) DURATION.—

17 “(A) IN GENERAL.—The Administrator
18 shall award grants, contracts, or cooperative
19 agreements under this subsection for a period
20 of not more than 3 years.

21 “(B) EXTENSION.—The eligible entity may
22 apply for, and the Administrator may grant, an
23 extension of the grant period for not more than
24 1 additional 2-year period, if the grant recipient

1 demonstrates to the Administrator that the re-
2 cipient—

3 “(i) has effectively implemented a
4 project to achieve its stated purpose as de-
5 scribed in subsections (e) and (f);

6 “(ii) has complied with the assurances
7 as described in subsection (e)(9); and

8 “(iii) has improved applicable out-
9 comes, as demonstrated through indicators
10 referred to in section 203(a)(2).

11 “(b) FUNDING REQUIREMENTS.—

12 “(1) MATCHING FUNDS REQUIRED.—The Ad-
13 ministrator shall require, as a condition of receipt of
14 funds under this section, an eligible entity to match
15 funds awarded under this section in an amount not
16 less than 25 percent of the funds awarded to such
17 recipient under this section. Such eligible entity may
18 make the matching funds available directly or
19 through donations from non-Federal, public, or pri-
20 vate organizations, in cash or in kind, fairly evalu-
21 ated.

22 “(2) WAIVER.—The Administrator may waive
23 the requirement under paragraph (1) if the entity
24 demonstrates that exceptional circumstances prevent
25 the entity from meeting the requirement, such as

1 demonstrating that the entity serves a high propor-
2 tion of individuals with barriers to employment, or
3 due to exceptional or uncontrollable circumstances,
4 such as a natural disaster or a precipitous and un-
5 foreseen decline in the financial resources of the eli-
6 gible entity.

7 “(c) PRIORITY AND DISTRIBUTION.—

8 “(1) PRIORITY.—In awarding grants, contracts,
9 or cooperative agreements under this section, the
10 Administrator shall give priority to an eligible enti-
11 ty—

12 “(A) proposing to serve a high number or
13 high percentage of participants who are from
14 nontraditional apprenticeship populations; and

15 “(B) providing opportunities in high-wage,
16 high-skill, or in-demand sectors and occupa-
17 tions.

18 “(2) GEOGRAPHIC DISTRIBUTION.—In awarding
19 grants, contracts, or cooperative agreements under
20 this subsection, the Administrator shall, to the ex-
21 tent practicable, ensure a geographically diverse dis-
22 tribution of such awards, including a geographically
23 diverse distribution among regions of the country
24 and among urban, suburban, and rural areas.

1 “(d) ELIGIBLE ENTITY.—To be eligible to apply for
2 grants, contracts, or cooperative agreements under this
3 title, an eligible entity shall—

4 “(1) demonstrate a partnership with two or
5 more of the following—

6 “(A) a State or local workforce develop-
7 ment board or State or local workforce agency;

8 “(B) an education and training provider,
9 or a consortium thereof;

10 “(C) a State apprenticeship agency;

11 “(D) an Indian Tribe or Tribal organiza-
12 tion;

13 “(E) an industry or sector partnership, a
14 group of employers, a trade association, or a
15 professional association that sponsors or par-
16 ticipates in a program under the national ap-
17 prenticeship system;

18 “(F) a Governor;

19 “(G) a labor organization or joint labor-
20 management organization;

21 “(H) community-based organizations that
22 assist program participants in accessing sup-
23 portive services; or

24 “(I) a qualified intermediary; and

25 “(2) to the extent practicable—

1 “(A) be part of an industry or sector part-
2 nership; and

3 “(B) partner with a labor or joint labor-
4 management organization.

5 “(e) GENERAL APPLICATION REQUIREMENTS.—An
6 eligible entity applying for a grant under this section shall
7 submit to the Administrator a description of each of the
8 following:

9 “(1) Each purpose under subsection (a) for
10 which the applicant intends to use such grant.

11 “(2) Each entity with which the eligible entity
12 is partnered or engaged under subsection (d) and
13 the role of each such entity in carrying out activities
14 funded under this subsection.

15 “(3) The ability of the applicant, directly or
16 through partners—

17 “(A) to enroll, instruct, advance, and grad-
18 uate program participants served by the grant
19 activities, and enable the participants to gain
20 employment after program completion;

21 “(B) to support (including by providing
22 technical assistance) program sponsors and em-
23 ployers (especially small- and medium-sized
24 businesses) in the creation of, recruitment for,

1 and execution of programs under the national
2 apprenticeship system; and

3 “(C) to provide opportunities to rural com-
4 munities, as applicable.

5 “(4) A labor market analysis with respect to
6 the geographic area of service that demonstrates—

7 “(A) the need to create or expand the pro-
8 gram; and

9 “(B) a plan to align the activities sup-
10 ported by the grant with the labor market
11 needs of high-skill, high-wage, or in-demand in-
12 dustry sectors or occupations.

13 “(5) A plan—

14 “(A) to comply with requirements for an
15 evaluation and report under section 203;

16 “(B) as appropriate, to coordinate activi-
17 ties assisted under the grant with activities car-
18 ried out under the Carl D. Perkins Career and
19 Technical Education Act of 2006 (20 U.S.C.
20 2301 et seq.), the Elementary and Secondary
21 Education Act of 1965 (20 U.S.C. 6301 et
22 seq.), the Higher Education Act of 1965 (20
23 U.S.C. 1001 et seq.), the Workforce Innovation
24 and Opportunity Act (29 U.S.C. 3101 et seq.),
25 and any related Federal programs and if appro-

1 appropriate, how funds provided under these pro-
2 grams will be leveraged in support of the pro-
3 grams supported by this grant;

4 “(C) to use funds awarded under this sec-
5 tion in support of the programs supported by
6 this grant, as described in section 202;

7 “(D) to continue the program after the
8 grant period ends;

9 “(E) to recruit and retain program partici-
10 pants for pre-apprenticeship, youth apprentice-
11 ship, and apprenticeship programs, including
12 from nontraditional apprenticeship populations,
13 such as women, minorities, individuals with dis-
14 abilities, individuals impacted by the criminal or
15 juvenile justice system, and individuals with
16 barriers to employment;

17 “(F) to ensure program participants are
18 able to access supportive services, as applicable;
19 and

20 “(G) to comply with the equal opportunity
21 requirements for diversity described in subpara-
22 graphs (B) and (C) of section 111(b)(7) and
23 section 113(c)(5), as applicable.

1 “(6) For any grants, contracts, or cooperative
2 agreements expanding existing programs under the
3 national apprenticeship system, a description of—

4 “(A) a plan to coordinate the activities car-
5 ried out under the grant with the existing pro-
6 gram; and

7 “(B) the effectiveness of the program, in-
8 cluding demonstrations of programmatic com-
9 ponents such as program costs to employers
10 and to program participants, completion and
11 placement rates, credential attainment, diversity
12 in populations served, the effectiveness of the
13 program in increasing participant’s wages and
14 benefits, or services provided to employers and
15 program participants.

16 “(7) A description of potential program partici-
17 pants and strategies to support the recruitment, re-
18 tention, and completion of such participants, includ-
19 ing nontraditional apprenticeship populations and in-
20 dividuals with barriers to employment, to the extent
21 practicable.

22 “(8) A description of strategies to recruit and
23 support employers involved in programs under the
24 national apprenticeship system.

25 “(9) An assurance that the eligible entity will—

1 “(A) provide information to the Adminis-
2 trator, as requested, for any such evaluations as
3 the Administrator may carry out;

4 “(B) make program performance data col-
5 lected under section 131 available (in accord-
6 ance with applicable data privacy laws, includ-
7 ing section 444 of the General Education Provi-
8 sions Act (20 U.S.C. 1232g) and section 4 of
9 this Act) to independent evaluators to enable
10 the evaluators to prepare the evaluations and
11 research reports described in section 203(a)(1);
12 and

13 “(C) coordinate grant activities with a
14 State Apprenticeship Agency, if such agency ex-
15 ists in the State where the eligible entity is ap-
16 plying for a grant or carrying out activities.

17 “(f) ADDITIONAL APPLICATION REQUIREMENTS.—
18 The Administrator shall require an eligible entity applying
19 for a grant under this title to include as part of their ap-
20 plication in subsection (e) the following information, as
21 applicable:

22 “(1) CREATION AND EXPANSION ACTIVITIES.—

23 “(A) NEW APPRENTICESHIP PROGRAMS.—

24 An eligible entity applying to create new ap-
25 prenticeship programs and carry out activities

1 in accordance with subsection (a)(1)(A)(i) shall
2 include as part of their application a description
3 of—

4 “(i) any plans for further expansion
5 upon development of the program; and

6 “(ii) employers, and to the extent
7 practicable, labor organizations or joint
8 labor-management organizations, engaged
9 in the program creation and implementa-
10 tion.

11 “(B) EXPANDING APPRENTICESHIP PRO-
12 GRAMS.—An eligible entity applying to expand
13 existing apprenticeship programs and carry out
14 activities in accordance with subsection
15 (a)(1)(A)(ii) shall include as part of their appli-
16 cation a description of employers engaged in the
17 program expansion.

18 “(C) CREATING OR EXPANDING PRE-AP-
19 PRENTICESHIP PROGRAMS.—An eligible entity
20 applying to create or expand pre-apprenticeship
21 programs and carry out activities in accordance
22 with subsection (a)(1)(A)(iii) shall include as
23 part of their application a description of—

1 “(i) a partnership between the eligible
2 entity and at least one apprenticeship pro-
3 gram; and

4 “(ii) existing partnerships with em-
5 ployers acting in either an advisory capac-
6 ity or actively participating in the pre-ap-
7 prenticeship program.

8 “(D) CREATING OR EXPANDING YOUTH
9 APPRENTICESHIP PROGRAMS.—An eligible enti-
10 ty applying to create or expand youth appren-
11 ticeship programs and carry out activities in ac-
12 cordance with subsection (a)(1)(A)(iv) shall in-
13 clude as part of their application a description
14 of—

15 “(i) an existing partnership with at
16 least one high school offering related in-
17 struction for the youth apprenticeship pro-
18 gram, with existing integration into the
19 academic content of the high school di-
20 ploma requirements, or with demonstrated
21 plans for integration of related instruction
22 into the high school curriculum; and

23 “(ii) existing partnerships with em-
24 ployers acting in either an advisory capac-

1 ity or actively participating in the youth
2 apprenticeship program.

3 “(2) ENCOURAGING EMPLOYER PARTICIPA-
4 TION.—

5 “(A) INDIVIDUALS WITH BARRIERS TO EM-
6 PLOYMENT.—An eligible entity applying to tar-
7 get individuals with barriers to employment for
8 apprenticeship, youth apprenticeship, or pre-ap-
9 prenticeship programs and carry out activities
10 in accordance with subsection (a)(1)(B)(i) shall
11 include as part of their application a description
12 of—

13 “(i) specific strategies to target both
14 individuals with barriers to employment
15 and employers for participation in the pro-
16 gram; and

17 “(ii) partnerships with organizations
18 that assist program participants in access-
19 ing supportive services to support recruit-
20 ment, retention, and completion of the pro-
21 gram by program participants.

22 “(B) HIGH-NEED SOCIAL SERVICE-RE-
23 LATED INDUSTRIES.—An eligible entity apply-
24 ing to offer pre-apprenticeship, youth appren-
25 ticeship, or apprenticeship programs in high-

1 need social service-related industries, sectors, or
2 occupations and carry out activities in accord-
3 ance with subsection (a)(1)(B)(ii) shall include
4 as part of their application a description of
5 wages and benefits offered to program partici-
6 pants.

7 “(C) INDIVIDUALS CURRENTLY OR RE-
8 CENTLY INCARCERATED.—An eligible entity ap-
9 plying to target individuals currently or recently
10 incarcerated and establish or carry out pre-ap-
11 prenticeship programs and apprenticeship pro-
12 grams in accordance with subsection
13 (a)(1)(B)(iii) shall include as part of their ap-
14 plication a description of—

15 “(i) a plan to assist the program par-
16 ticipants in obtaining the documentation
17 and work authorization necessary to par-
18 ticipate in such program;

19 “(ii) partnerships with organizations
20 that will assist program participants in ac-
21 cessing activities to improve financial lit-
22 eracy and supportive services;

23 “(iii) how the assessments used to
24 support the placement of potential pro-
25 gram participants into a program accu-

1 rately reflect the participants’ skills and
2 competencies;

3 “(iv) a plan to provide information
4 about resources to program participants to
5 address mental health or substance abuse
6 issues;

7 “(v) partnerships with organizations
8 that support—

9 “(I) the transition from incarceration
10 ation to re-entry, such as assistance
11 with housing, transportation, child
12 care, and legal services; and

13 “(II) successful completion of an
14 apprenticeship or pre-apprenticeship
15 program;

16 “(vi) wages and benefits offered to
17 program participants that are commensu-
18 rate with wages for similar work in the
19 State or local area, as allowable; and

20 “(vii) alignment and necessary sup-
21 ports to comply with and receive the bene-
22 fits of the Federal Bonding Program and
23 the Prison Industry Enhancement Certifi-
24 cation Program for employers participating
25 in apprenticeship programs.

1 “(D) SMALL- AND MEDIUM-SIZED EMPLOY-
2 ERS.—An eligible entity applying to engage
3 small- and medium-sized employers and carry
4 out activities in accordance with subsection
5 (a)(1)(B)(iv) shall include as part of their ap-
6 plication a description of demonstrated success
7 in engaging small- and medium-sized employers
8 and the ability to recruit new employers to par-
9 ticipate in related partnerships or programs, in-
10 cluding small businesses owned or controlled by
11 women, minorities, or veterans.

12 “(3) INTERMEDIARY GRANTS.—

13 “(A) SUPPORTING NATIONAL INDUSTRY
14 AND EQUITY INTERMEDIARIES.—An eligible en-
15 tity applying to carry out activities in accord-
16 ance with subsection (a)(1)(C)(i) shall include
17 as part of their application a description of the
18 ability of such entity to convene a diverse group
19 of industry specific stakeholders for the pur-
20 poses of developing or expanding programs, in-
21 cluding employers, workforce development orga-
22 nizations, industry associations, labor groups
23 (including joint labor-management organiza-
24 tions), small businesses owned or controlled by
25 women, minorities, or veterans, and education

1 and training providers at a national level or
2 with national reach.

3 “(B) SERVING PROGRAMS IN A LOCAL OR
4 REGIONAL SETTING.—An eligible entity apply-
5 ing to carry out activities in accordance with
6 subsection (a)(1)(C)(ii) shall include as part of
7 their application a description of how such enti-
8 ty will—

9 “(i) engage employers, especially
10 small- and medium-sized businesses, in the
11 formation or ongoing development of in-
12 dustry or sector partnerships and pro-
13 grams in the national apprenticeship sys-
14 tem;

15 “(ii) identify the industry or sector
16 partnerships that will be served, and dem-
17 onstrate alignment to high-skill, high-wage,
18 or in-demand industry sectors or occupa-
19 tions;

20 “(iii) leverage additional resources, in-
21 cluding funding provided by Federal and
22 non-Federal resources; and

23 “(iv) provide services to program
24 sponsors and program participants.

1 “(4) EDUCATIONAL ALIGNMENT.—An eligible
2 entity applying to carry out activities in accordance
3 with subsection (a)(1)(D) shall include as part of
4 their application a description of—

5 “(A) a demonstration of a partnership
6 with—

7 “(i)(I) no less than three sponsors or
8 employers; or

9 “(II) an industry or sector partner-
10 ship; and

11 “(ii) at least 1 of the following—

12 “(I) an educational service agen-
13 cy;

14 “(II) a high school;

15 “(III) a local educational agency;

16 “(IV) State educational agency;

17 “(V) an Indian Tribe, Tribal or-
18 ganization, Tribal educational agency,
19 Tribally controlled college or univer-
20 sity, or Tribally controlled postsec-
21 ondary career and technical institu-
22 tion, as applicable;

23 “(VI) a postsecondary edu-
24 cational institution;

1 “(VII) a Job Corps center (as de-
2 fined in section 142 of the Workforce
3 Innovation and Opportunity Act (29
4 U.S.C. 3192)); or

5 “(VIII) a State higher education
6 agency; and

7 “(B) a commitment to establishing or ex-
8 panding the alignment of the related instruction
9 to—

10 “(i) the requirements for a high
11 school diploma, which may be fulfilled
12 through a dual or concurrent enrollment
13 program; or

14 “(ii) the requirements for a recognized
15 postsecondary credential, including the de-
16 gree requirements for an associate’s or
17 bachelor’s degree.

18 **“SEC. 202. USES OF FUNDS.**

19 “(a) GENERAL ACTIVITIES.—An eligible entity apply-
20 ing for any grant activity under section 201(a)(1)—

21 “(1) shall use at least 5 percent of the grant
22 funds to provide direct financial assistance to ap-
23 prentices, pre-apprentices, or youth apprentices
24 through emergency grants to support their financial
25 needs to enter, remain enrolled in, and complete

1 such program, such as support for the related costs
2 of supplies and equipment, assessment or licensure
3 fees, courses, transportation, child care, internet ac-
4 cess, and housing; and

5 “(2) may use funds for any of the following ac-
6 tivities:

7 “(A) To establish or expand partnerships
8 with organizations that provide program partici-
9 pants access to financial planning, mentoring,
10 and supportive services that are necessary to
11 enable an individual to participate in and com-
12 plete a program under the national apprentice-
13 ship system.

14 “(B) To conduct outreach and recruitment
15 activities, including assessments of potential
16 participants for, and enrollment of participants
17 in, a program under the national apprenticeship
18 system.

19 “(C) To conduct outreach, engagement, re-
20 cruitment, and coordination of activities with
21 employers, industry associations, labor and joint
22 labor-management organizations, qualified
23 intermediaries, education and training pro-
24 viders, State or local workforce agencies, poten-
25 tial sponsors, community-based organizations,

1 communities with high numbers or percentages
2 of nontraditional apprenticeship populations,
3 small- and medium-sized businesses, or rural
4 communities to establish or expand industry or
5 sector partnerships and opportunities under the
6 national apprenticeship system.

7 “(D) To carry out grant requirements, in-
8 cluding program evaluation and reporting re-
9 quirements.

10 “(E) To conduct any activities as described
11 in the application that would advance the pur-
12 poses of the grant.

13 “(F) To support the transition to virtual
14 or remote learning or training, as necessary and
15 as approved by the registration agency.

16 “(b) ADDITIONAL USES OF FUNDS.—

17 “(1) CREATION OR EXPANSION ACTIVITIES.—

18 “(A) APPRENTICESHIP PROGRAM CRE-
19 ATION.—An eligible entity that receives funds
20 under section 201(a)(1)(A)(i) shall use such
21 funding to create and implement an apprentice-
22 ship program, which may include—

23 “(i) creating and providing training
24 and related instruction based on employer
25 engagement;

1 “(ii) applying apprenticeship frame-
2 works as described in section 111(b)(5)(C)
3 to the State or local labor market and em-
4 ployer needs;

5 “(iii) aligning the new program with
6 existing apprenticeship programs; or

7 “(iv) appropriate equipment, tech-
8 nology, and instructional materials aligned
9 with new program needs, including ma-
10 chinery, testing equipment, tools, imple-
11 ments, hardware and software, and other
12 new and emerging instructional materials.

13 “(B) APPRENTICESHIP PROGRAM EXPAN-
14 SION.—An eligible entity that receives funds
15 under section 201(a)(1)(A)(ii) shall use such
16 funds to expand an existing apprenticeship pro-
17 gram, which may include—

18 “(i) expanding and enhancing related
19 instruction;

20 “(ii) conducting outreach to and en-
21 gagement with employers for the purposes
22 of program expansion, including creation
23 of new or expansion of existing industry or
24 sector partnerships;

1 “(iii) preparing additional instructors
2 or mentors needed for program expansion;

3 “(iv) building awareness of appren-
4 ticeship program opportunities for State or
5 local workforce development, education,
6 and economic development entities; and

7 “(v) providing commensurate wages to
8 wages for on-the-job training for program
9 participants during related instruction, as
10 applicable.

11 “(C) PRE-APPRENTICESHIP PROGRAMS.—
12 An eligible entity that receives funds under sec-
13 tion 201(a)(1)(A)(iii) shall use such funds to
14 create a new pre-apprenticeship program or ex-
15 pand an existing pre-apprenticeship program,
16 which may include—

17 “(i) coordinating pre-apprenticeship
18 program activities with an apprenticeship
19 program in a high-skill, high-wage, or in-
20 demand industry sector or occupation, in-
21 cluding the creation or expansion of work-
22 based learning opportunities, and articula-
23 tion agreements for those who successfully
24 complete a pre-apprenticeship to earn aca-

1 demic credit and enroll in an apprentice-
2 ship program;

3 “(ii) creating, expanding, or inte-
4 grating related instruction and work-based
5 learning, which may include training in the
6 workplace and supporting partnerships to
7 create opportunities for pre-apprentices to
8 earn credit at a postsecondary educational
9 institution for skills and competencies ac-
10 quired during the pre-apprenticeship pro-
11 gram;

12 “(iii) providing participants with ca-
13 reer exploration and career planning activi-
14 ties and with exploration of postsecondary
15 opportunities including apprenticeship pro-
16 grams;

17 “(iv) with respect to participants
18 without a high school diploma or a gen-
19 erally recognized equivalent, paying the
20 costs affiliated with acquiring such equiva-
21 lent, and the costs of any related assess-
22 ments of potential pre-apprentices or active
23 pre-apprentices, including those that would
24 verify the attainment of foundational

1 knowledge and skills necessary to succeed
2 in an apprenticeship program;

3 “(v) development or expansion of
4 partnerships with organizations that assist
5 program participants in accessing sup-
6 portive services, which may include the 12-
7 month period after the conclusion of a pre-
8 apprenticeship program;

9 “(vi) providing commensurate wages
10 to the linked apprenticeship program for
11 pre-apprentices as they participate in and
12 complete the pre-apprenticeship program,
13 as appropriate;

14 “(vii) paying the cost of related in-
15 struction or assessment or licensure fees
16 associated with the pre-apprenticeship pro-
17 gram, as appropriate;

18 “(viii) providing stipends to pre-ap-
19 prentices enrolled in a pre-apprenticeship
20 program to cover costs such as housing,
21 transportation, childcare or out of pocket
22 expenses resulting from the pre-apprentice-
23 ship program such as assessments and fees
24 for industry recognized credentials or driv-

1 ers licenses during the time of enrollment;

2 or

3 “(ix) creating or expanding industry

4 or sector partnerships to support the pre-

5 apprenticeship program and to provide ad-

6 ditional opportunities to the pre-appren-

7 tices.

8 “(D) YOUTH APPRENTICESHIP PRO-

9 GRAMS.—An eligible entity that receives funds

10 under section 201(a)(1)(A)(iv) shall use such

11 funds to create a new youth apprenticeship pro-

12 gram or expand an existing youth apprentice-

13 ship program, which may include—

14 “(i) paying for the costs associated

15 with curriculum development and align-

16 ment of that curriculum with recognized

17 postsecondary credentials including indus-

18 try recognized credentials, high school

19 graduation requirements, and related in-

20 struction, including curriculum develop-

21 ment for dual or concurrent enrollment;

22 “(ii) providing employers, and to the

23 extent practicable, labor organizations and

24 joint labor-management organizations,

25 technical assistance to support the partici-

1 pation of youth apprentices under the age
2 of 18;

3 “(iii) integrating work-based and aca-
4 demic learning, which may include training
5 in the workplace;

6 “(iv) providing career exploration and
7 career planning activities, including explo-
8 ration of postsecondary opportunities such
9 as apprenticeship programs;

10 “(v) providing technical assistance to
11 support the participation of small- and me-
12 dium-sized businesses in youth apprentice-
13 ship programs;

14 “(vi) developing or expanding partner-
15 ships with organizations that assist pro-
16 gram participants in accessing supportive
17 services, which may include the 12-month
18 period after the conclusion of such a youth
19 apprenticeship program; or

20 “(vii) providing teachers, career guid-
21 ance and academic counselors, school lead-
22 ers, administrators, specialized instruc-
23 tional support personnel, and paraprofes-
24 sionals with professional development op-
25 portunities to build an understanding of

1 apprenticeship opportunities available to
2 students, including experiential opportuni-
3 ties like externships.

4 “(2) INCENTIVE FUNDS.—

5 “(A) BARRIERS TO EMPLOYMENT.—An eli-
6 gible entity that receives funds under section
7 201(a)(1)(B)(i) shall use such funds to encour-
8 age employer participation in programs under
9 the national apprenticeship system that target
10 individuals with barriers to employment, which
11 may include—

12 “(i) providing financial assistance to
13 employers to support costs related to the
14 programs, such as training incumbent
15 workers for participation as mentors or
16 employees supervising the on-the-job learn-
17 ing;

18 “(ii) supporting the cost of related in-
19 struction, assessment or licensure fees, or
20 wages for program participants during re-
21 lated instruction; and

22 “(iii) establishing or expanding part-
23 nerships with organizations that assist pro-
24 gram participants in accessing supportive
25 services to support recruitment, retention,

1 and completion, including providing sup-
2 plies and equipment necessary to begin a
3 program under the national apprenticeship
4 system.

5 “(B) HIGH-NEED SOCIAL SERVICE-RE-
6 LATED INDUSTRIES.—An eligible entity that re-
7 ceives funds under section 201(a)(1)(B)(ii)
8 shall use such funds to incentivize employer
9 participation in programs under the national
10 apprenticeship system in high need social serv-
11 ice-related industries, sectors, or occupations,
12 which may include—

13 “(i) providing financial assistance to
14 employers to support costs related to the
15 program, such as training incumbent work-
16 ers as mentors, or employees providing on-
17 the-job training;

18 “(ii) supporting the cost of related in-
19 struction, assessment or licensure fees, or
20 wages for program participants during re-
21 lated instruction;

22 “(iii) establishing or expanding part-
23 nerships with organizations that assist pro-
24 gram participants in accessing supportive
25 services to support recruitment, retention,

1 and completion, including providing sup-
2 plies and equipment necessary to begin a
3 program under the national apprenticeship
4 system; or

5 “(iv) aligning such program with ca-
6 reer pathways and opportunities for ad-
7 vancement along such career pathways.

8 “(C) INDIVIDUALS IMPACTED BY THE JUS-
9 TICE SYSTEM.—An eligible entity that receives
10 funds under section 201(a)(1)(B)(iii) shall use
11 such funds to incentivize employer participation
12 in programs under the national apprenticeship
13 system that target individuals impacted by the
14 criminal or juvenile justice system, which may
15 include—

16 “(i) providing financial assistance to
17 employers to support costs related to the
18 program, such as training incumbent work-
19 ers as mentors or employees supervising
20 the on-the-job learning; or

21 “(ii) supporting the cost of related in-
22 struction, assessment or licensure fees, or
23 wages for program participants during re-
24 lated instruction.

1 “(D) IN-DEMAND INDUSTRY SECTOR OR
2 OCCUPATION GRANTS FOR SMALL- AND ME-
3 DIUM-SIZED BUSINESSES.— An eligible entity
4 that receives funds under section
5 201(a)(1)(B)(iv) shall use such funds to en-
6 courage participation of small- and medium-
7 sized businesses in programs under the national
8 apprenticeship system, which may include—

9 “(i) providing financial assistance to
10 employers to support costs related to the
11 program, such as training incumbent work-
12 ers as mentors or employees supervising
13 the on-the-job learning;

14 “(ii) supporting the cost of related in-
15 struction, assessment or licensure fees, or
16 wages for program participants during re-
17 lated instruction;

18 “(iii) providing technical assistance to
19 small- and medium-sized businesses on the
20 program registration process and
21 leveraging other available funds to support
22 carrying out programs supported by this
23 grant; or

24 “(iv) establishing or expanding part-
25 nerships to support program development

1 or expansion, including establishing or ex-
2 panding industry or sector partnerships to
3 ensure inclusion of small- and medium-
4 sized businesses.

5 “(3) INTERMEDIARY GRANTS.—

6 “(A) NATIONAL INDUSTRY AND EQUITY
7 INTERMEDIARIES.—An eligible entity that re-
8 ceives funds under section 201(a)(1)(C)(i) shall
9 use such funds to carry out activities at a na-
10 tional and regional level to support the pro-
11 motion and expansion of industry or equity
12 intermediaries, which may include—

13 “(i) creating partnerships and
14 leveraging collaborations with employers,
15 workforce development organizations, in-
16 dustry associations, labor organizations,
17 and education and training providers to
18 help multiple employers make education
19 and training more affordable and accel-
20 erate the expansion of programs under the
21 national apprenticeship system nationwide;

22 “(ii) assisting employers in expanding
23 programs, starting new programs, and
24 working together to create a pipeline of
25 skilled workers;

1 “(iii) increasing the participation and
2 completion of nontraditional apprenticeship
3 populations in programs under the national
4 apprenticeship system, which may in-
5 clude—

6 “(I) supporting the development,
7 implementation, and scaling of plans
8 and practices; and

9 “(II) identifying, developing, and
10 disseminating effective program tools
11 and strategies;

12 “(iv) providing national activities to
13 increase awareness and access to pro-
14 grams, including strategic marketing and
15 outreach, technology improvements, and
16 innovations that make it easier for employ-
17 ers to start programs and for individuals
18 to connect with program opportunities;

19 “(v) developing and disseminating
20 training or related instruction associated
21 with the program or for curriculum im-
22 provements that align with the require-
23 ments of the program and learning assess-
24 ments; or

1 “(vi) providing industry employees or
2 potential employees with a clear under-
3 standing of future career paths and the
4 skills needed to succeed, along with cost ef-
5 fective ways of acquiring those skills
6 through youth apprenticeship, pre-appren-
7 ticeship, or apprenticeship programs.

8 “(B) LOCAL INTERMEDIARIES.—An eligi-
9 ble entity that receives funds under section
10 201(a)(1)(C)(ii) may use such funds to carry
11 out activities at a local or regional level to sup-
12 port the promotion and expansion of programs
13 under the national apprenticeship system, which
14 may include—

15 “(i) providing training or related in-
16 struction associated with the programs or
17 for curriculum improvements that align
18 with the requirements of the programs and
19 learning assessments;

20 “(ii) engaging with local education
21 and training providers to support related
22 instruction aligned with the needs of high-
23 skill, high-wage, or in-demand industry
24 sectors and occupations, and to the extent

1 practicable, support the provision of aca-
2 demic credit for related instruction;

3 “(iii) providing services, including
4 business engagement, classroom instruc-
5 tion, and development of partnerships with
6 organizations that assist program partici-
7 pants in accessing supportive services
8 (which may include the 12-month period
9 after the conclusion of the other activities
10 in the youth apprenticeship and pre-ap-
11 prenticeship programs involved);

12 “(iv) providing technical assistance on
13 the registration process for a sponsor of a
14 youth apprenticeship, pre-apprenticeship,
15 or apprenticeship program;

16 “(v) connecting businesses, labor or-
17 ganizations, or joint labor-management or-
18 ganizations with education and training
19 providers to develop related instruction to
20 complement the on-the-job learning portion
21 of a youth apprenticeship, pre-apprentice-
22 ship, or apprenticeship program;

23 “(vi) providing training to employees
24 to serve as on-the-job trainers or mentors
25 to program participants; and

1 “(vii) providing career exposure, ca-
2 reer planning, and career awareness activi-
3 ties.

4 “(4) EDUCATIONAL ALIGNMENT GRANTS.—An
5 eligible entity that receives funds under section
6 201(a)(1)(D) shall use such funds to strengthen
7 alignment between programs under the national ap-
8 prenticeship system and education and training pro-
9 viders with secondary and postsecondary education
10 systems, including degree and credential require-
11 ments, which may include—

12 “(A) creating and aligning the related in-
13 struction to requirements for a high school di-
14 ploma or an associate’s or bachelor’s degree, in-
15 cluding through—

16 “(i) dual enrollment and credit articu-
17 lation for youth apprenticeship programs;

18 “(ii) articulation agreements; or

19 “(iii) credit transfer agreements;

20 “(B) creating or expanding career path-
21 ways aligned with pre-apprenticeship, youth ap-
22 prenticeship, or apprenticeship programs;

23 “(C) providing professional development
24 for teachers, career guidance and academic
25 counselors, school leaders, administrators, spe-

1 cialized instructional support personnel, and
2 paraprofessionals to build an understanding of
3 opportunities in the national apprenticeship sys-
4 tem available to students and to incorporate
5 such opportunities into academic content and
6 offerings;

7 “(D) offering prior learning assessments,
8 which may include credit for prior learning to
9 grant advanced standing in a program under
10 the national apprenticeship system and credit
11 towards an associate’s or bachelor’s degree;

12 “(E) maintaining a connection between a
13 pre-apprenticeship or youth apprenticeship pro-
14 gram and an apprenticeship program; and

15 “(F) providing training for instructors or
16 mentors.

17 **“SEC. 203. GRANT EVALUATIONS.**

18 “(a) RECIPIENT REPORTS.—Each recipient of a
19 grant under this section shall—

20 “(1) provide for an independent evaluation of
21 the activities carried out under this title during the
22 grant period;

23 “(2) provide for an annual report and for a
24 final report at the conclusion of the grant period,
25 which include—

1 “(A) a description of how the funds re-
2 ceived through the grant were used and how the
3 uses of funds aligned with the description in the
4 application specified in section 201(e)(5)(C);

5 “(B) in the case of an eligible entity that
6 is required to report data under section
7 131(b)(1), the data collected under such section
8 on a quarterly basis;

9 “(C) the total number of active program
10 participants served by each of the grant pro-
11 grams;

12 “(D) the total number that obtained un-
13 subsidized employment in a field related to the
14 occupation suitable for apprenticeship;

15 “(E) the total number of program partici-
16 pants that completed the program in which they
17 were enrolled;

18 “(F) the average time to completion for
19 each program as compared to the program
20 standards description under paragraphs (1) and
21 (2) of section 123(b);

22 “(G) the average cost per participant dur-
23 ing the most recent program year and the 3
24 preceding program years;

1 “(H) the percentage of participants who
2 received support services; and

3 “(I) the disaggregation of performance
4 data described in subparagraphs (A) through
5 (H)—

6 “(i) by the program type (apprentice-
7 ship, youth apprenticeship, or pre-appren-
8 ticeship program) involved; and

9 “(ii) by race, ethnicity, sex, age, and
10 membership in a population specified in
11 section 3(24) of the Workforce Innovation
12 and Opportunity Act (29 U.S.C.
13 3102(24)); and

14 “(3) submit each report under paragraph (2)—

15 “(A) to the registration agency; and

16 “(B) to the Administrator.

17 “(b) ADMINISTRATOR EVALUATIONS.—

18 “(1) IN GENERAL.—The Administrator shall
19 prepare—

20 “(A) not later than 36 months after the
21 date of enactment of the National Apprentice-
22 ship Act of 2022, an interim evaluation on the
23 activities carried out under grants, contracts, or
24 cooperative agreements awarded under this sec-
25 tion; and

1 “(B) not later than 60 months after the
2 date of enactment of the National Apprentice-
3 ship Act of 2022, a final evaluation containing
4 the results of the grant activities.

5 “(2) CONTENTS.—Such evaluations shall ad-
6 dress, for the activities carried out under each grant
7 awarded under this section, the general effectiveness
8 of the activities in relation to their cost, including
9 the extent to which the activities—

10 “(A) improve the participation in, reten-
11 tion in, and completion of youth apprenticeship,
12 pre-apprenticeship, and apprenticeship pro-
13 grams by nontraditional apprenticeship popu-
14 lations;

15 “(B) to the extent feasible, increase the
16 levels of total employment, of attainment of rec-
17 ognized postsecondary credentials, and of meas-
18 urable skills, above the levels that would have
19 existed in the absence of such activities;

20 “(C) respond to the needs reflected in
21 State, regional, or local labor market data;

22 “(D) align with high-skill, high-wage, or
23 in-demand industries or occupations; and

24 “(E) reach a wide variety of industry sec-
25 tors and occupations;

1 “(3) REPORTS TO CONGRESS.—Not later than
2 60 days after the completion of the interim evalua-
3 tion and the final evaluation described in this sec-
4 tion, the Administrator shall submit to the Com-
5 mittee on Education and Labor of the House of
6 Representatives and the Committee on Health, Edu-
7 cation, Labor, and Pensions of the Senate a report
8 summarizing the findings of the interim evaluations
9 and a report summarizing the final evaluations.

10 “(4) PUBLIC ACCESS.—The Administrator shall
11 make the interim and final reports available on a
12 publicly accessible website not later than 60 days
13 after the completion of the interim report and the
14 final report.

15 **“SEC. 204. AUTHORIZATION OF APPROPRIATIONS FOR**
16 **GRANTS.**

17 “There are authorized to be appropriated to carry out
18 this title:

19 “(1) \$400,000,000 for fiscal year 2023;

20 “(2) \$500,000,000 for fiscal year 2024;

21 “(3) \$600,000,000 for fiscal year 2025;

22 “(4) \$700,000,000 for fiscal year 2026; and

23 “(5) \$800,000,000 for fiscal year 2027.”.

1 **SEC. 90104. CONFORMING AMENDMENTS.**

2 (a) AMERICAN COMPETITIVENESS AND WORKFORCE
3 IMPROVEMENT ACT OF 1998.—Section 414(c) of the
4 American Competitiveness and Workforce Improvement
5 Act of 1998 (29 U.S.C. 2916a) is repealed.

6 (b) IMMIGRATION AND NATIONALITY ACT.—Section
7 286(s)(2) of the Immigration and Nationality Act (8
8 U.S.C. 1356(s)(2)) is amended—

9 (1) in the heading, by striking “FOR JOB
10 TRAINING” and inserting “FOR PROGRAMS UNDER
11 THE NATIONAL APPRENTICESHIP SYSTEM”; and

12 (2) by striking “for demonstration programs
13 and projects described in section 414(c) of the
14 American Competitiveness and Workforce Improve-
15 ment Act of 1998” and inserting “to carry out title
16 II of the National Apprenticeship Act”.

17 **TITLE II—ELEMENTARY AND**
18 **SECONDARY EDUCATION**

19 **SEC. 90201. POSTSECONDARY STEM PATHWAYS GRANTS.**

20 (a) PURPOSE.—The purpose of this section is to sup-
21 port equitable access to postsecondary STEM pathways
22 to increase the number of students exposed to high-quality
23 STEM advanced coursework, support students in reducing
24 college costs, improve postsecondary credit transfers, and
25 increase postsecondary completion.

26 (b) DEFINITIONS.—In this section:

1 (1) **ADVANCED COURSEWORK.**—The term “ad-
2 vanced coursework” means coursework designed for
3 students to earn postsecondary credit upon its suc-
4 cessful completion while still in high school, includ-
5 ing coursework or assessments associated with Ad-
6 vanced Placement, International Baccalaureate, a
7 dual or concurrent enrollment program, or an early
8 college high school program.

9 (2) **ELIGIBLE ENTITY.**—The term “eligible enti-
10 ty” means a partnership that—

11 (A) shall include—

12 (i) the State educational agency;

13 (ii) one or more local educational
14 agencies, including charter schools oper-
15 ating as a local educational agency, located
16 in the State, which may include an edu-
17 cational service agency; and

18 (iii) either—

19 (I) the State public higher edu-
20 cation system inclusive of all 2-year
21 and 4-year public institutions of high-
22 er education in the State; or

23 (II) a consortium of the State’s
24 public higher education institutions or
25 systems that, together, is inclusive of

1 all 2-year and 4-year public institu-
2 tions of higher education in the State;
3 and

4 (B) may include 1 or more businesses, as-
5 sociations, or nonprofit organizations rep-
6 resenting businesses, an industry or sector part-
7 nership, private nonprofit institutions of higher
8 education, nonprofit organizations, a State
9 workforce agency, or a State board.

10 (3) ESEA DEFINITIONS.—The terms “dual or
11 concurrent enrollment program”, “early college high
12 school”, “educational service agency” “elementary
13 school”, “English learner”, “evidence-based”, “high
14 school”, “institution of higher education”, “local
15 educational agency”, “middle grades”, “other staff”,
16 “professional development”, “regular high school di-
17 ploma”, “Secretary”, “State educational agency”,
18 and “technology” shall have the meaning given the
19 terms in section 8101 of the Elementary and Sec-
20 ondary Education Act of 1965 (20 U.S.C. 7801).

21 (4) FIRST-GENERATION COLLEGE STUDENT.—
22 The term “first-generation college student” has the
23 meaning given the term in section 402A(h) of the
24 Higher Education Act of 1965 (20 U.S.C. 1070a–
25 11(h)).

1 (5) GOVERNOR.—The term “Governor” means
2 the chief executive officer of a State.

3 (6) PERKINS DEFINITIONS.—The terms “career
4 and technical education” and “work-based learning”
5 have the meaning given the terms in section 3 of the
6 Carl D. Perkins Career and Technical Education
7 Act of 2006 (20 U.S.C. 2302).

8 (7) POSTSECONDARY STEM PATHWAY.—The
9 term “postsecondary STEM pathway” means a se-
10 quence of courses focused on STEM education, in-
11 cluding advanced coursework approved by the eligi-
12 ble entity taken at any point during high school,
13 that—

14 (A) when taken together, provide at least
15 12 credit hours or the equivalent coursework to-
16 ward an associate degree or baccalaureate de-
17 gree, or, in the case of postsecondary credit in
18 career and technical education earned through
19 such sequence of courses, credit toward a recog-
20 nized postsecondary credential for a high-skill,
21 high-wage, or in-demand industry sector or oc-
22 cupation;

23 (B) if completed successfully, results in
24 credit that—

1 (i) counts as credit toward the State’s
2 regular high school diploma; and

3 (ii) is a part of the statewide articula-
4 tion agreement described in subsection
5 (d)(2)(B); and

6 (C) may include work-based learning in a
7 STEM field aligned with the academic
8 coursework offered in a postsecondary STEM
9 pathway.

10 (8) STATE.—The term “State” means each of
11 the 50 States, the District of Columbia, and the
12 Commonwealth of Puerto Rico.

13 (9) STEM EDUCATION.—The term “STEM
14 education” has the meaning given the term in sec-
15 tion 2 of the STEM Education Act of 2015 (42
16 U.S.C. 6621 note).

17 (10) STUDENTS FROM A FAMILY WITH A LOW
18 INCOME.—The term “students from a family with a
19 low income” means any students who are identified
20 by any of the measures described in section
21 1113(a)(5) of the Elementary and Secondary Edu-
22 cation Act (20 U.S.C. 6313(a)(5)).

23 (10) SUBGROUP OF STUDENTS.—The term
24 “subgroup of students” means—

1 (A) each subgroup of students described in
2 subclauses (I) through (IV) of section
3 1111(b)(2)(B)(xi) of the Elementary and Sec-
4 ondary Education Act of 1965 (20 U.S.C.
5 6311(b)(2)(B)(xi));

6 (B) homeless children and youths, as de-
7 fined in section 725 of the McKinney-Vento
8 Homeless Assistance Act (42 U.S.C. 11434a);

9 (C) students who are in foster care or are
10 aging out of the foster care system; and

11 (D) first-generation college students.

12 (11) WIOA DEFINITIONS.—The terms “in-de-
13 mand industry sector or occupation”, “industry or
14 sector partnership,” “local board”, “recognized post-
15 secondary credential”, and “State board” have the
16 meanings given the terms in section 3 of the Work-
17 force Innovation and Opportunity Act (29 U.S.C.
18 3102).

19 (c) AUTHORIZATION OF GRANTS.—

20 (1) IN GENERAL.—From the amounts appro-
21 priated under subsection (j) and not reserved under
22 paragraph (2), the Secretary shall award grants, on
23 a competitive basis, to eligible entities to enable
24 those eligible entities to implement activities de-
25 scribed under subsection (e).

1 (2) RESERVATIONS.—From the total amount
2 appropriated under subsection (j) for a fiscal year,
3 the Secretary shall reserve—

4 (A) 1 percent for the Bureau of Indian
5 Education to improve access to postsecondary
6 STEM pathways;

7 (B) 1 percent for allotments for payments
8 to the outlying areas, to be distributed among
9 those outlying areas on the basis of their rel-
10 ative need, as determined by the Secretary, to
11 improve access to postsecondary STEM path-
12 ways;

13 (C) 2 percent to conduct the evaluation de-
14 scribed under subsection (g); and

15 (D) 2 percent for technical assistance and
16 dissemination, which may include—

17 (i) providing, directly or through
18 grants, contracts, or cooperative agree-
19 ments, technical assistance on using evi-
20 dence-based practices to improve the out-
21 comes of activities funded under this sec-
22 tion; and

23 (ii) disseminating information on evi-
24 dence-based practices that are successful in

1 improving the quality of activities funded
2 under this section.

3 (3) DURATION.—A grant awarded under this
4 section shall be for a period of not more than 5
5 years.

6 (4) RENEWAL.—The Secretary may renew a
7 grant awarded under this section for 1 additional 2-
8 year period for programs that meet the goals speci-
9 fied in subsection (d)(4)(B).

10 (5) DIVERSITY OF PROJECTS.—In awarding
11 grants under this section, the Secretary shall ensure
12 that, to the extent practicable, grants are distributed
13 among eligible entities that will serve geographically
14 diverse areas, including urban, suburban, and rural
15 areas.

16 (6) SUFFICIENT SIZE AND SCOPE.—Each grant
17 awarded under this section shall be of sufficient size
18 and scope to allow the eligible entity to carry out the
19 purposes of this section.

20 (7) PRIORITIES.—In awarding grants under
21 this section, the Secretary shall give priority to ap-
22 plications that—

23 (A) prioritize evidence-based strategies to
24 increase the access of all subgroups of students

1 served by the eligible entity to postsecondary
2 STEM pathways; and

3 (B) are submitted by eligible entities that
4 include local educational agencies who are in
5 the highest quartile of local educational agen-
6 cies, in a ranking of all qualified local edu-
7 cational agencies in the State, ranked in de-
8 scending order by the number or percentage of
9 children in each agency counted under section
10 1124(c) of the Elementary and Secondary Edu-
11 cation Act of 1965 (20 U.S.C. 6333(c)).

12 (d) ELIGIBLE ENTITY APPLICATION.—In order to re-
13 ceive a grant under subsection (c)(1), the eligible entity
14 shall submit an application to the Secretary, at such time,
15 and in such manner as the Secretary may reasonably re-
16 quire. Such application shall include—

17 (1) signatures from the Governor, chief State
18 school officer, and the State higher education execu-
19 tive officer or, in the case of a State without such
20 an officer, a representative of an entity described in
21 subsection (b)(2)(A)(iii) within such eligible entity
22 verifying the eligible entity shall meet the require-
23 ments described in paragraph (2) within the speci-
24 fied timeframe;

1 (2) a description of how the eligible entity will,
2 not later than 2 years after the date of the initial
3 receipt of funds under this section—

4 (A) ensure STEM postsecondary pathways
5 are aligned with entrance requirements for
6 credit-bearing coursework at the State’s public
7 institutions of higher education; and

8 (B) develop or expand a formal, universal
9 statewide articulation agreement among all pub-
10 lic institutions of higher education or systems
11 in the State—

12 (i) to guarantee that—

13 (I) all advanced coursework suc-
14 cessfully completed as part of a post-
15 secondary STEM pathway results in
16 credit that—

17 (aa) counts as credit for a
18 regular high school diploma;

19 (bb) is fully acceptable in
20 transfer and is credited toward
21 meeting related degree or certifi-
22 cate requirements by all public
23 institutions of higher education
24 in the State; and

1 (II) if a student earns an asso-
2 ciate degree (including an associate
3 degree in applied science) as part of a
4 postsecondary STEM pathway, such
5 associate degree, awarded by a par-
6 ticipating institution of higher edu-
7 cation in the State, shall be fully ac-
8 ceptable in transfer and credited as
9 the first 2 years of a related bacca-
10 laurate program at a public institu-
11 tion of higher education in such State
12 and, as applicable, other institutions
13 of higher education participating in an
14 articulation agreement described in
15 subparagraph (C); and

16 (ii) to facilitate the seamless transfer
17 of credit earned in the postsecondary
18 STEM pathway, and at the discretion of
19 the eligible entity, any other advanced
20 coursework made available in the State,
21 among such institutions of higher edu-
22 cation, including between 2-year and 4-
23 year public institutions of higher education
24 and other institutions of higher education
25 participating in an articulation agreement

1 described in subparagraph (C), by using
2 methods such as—

3 (I) common course numbering;

4 (II) a general education core cur-
5 rriculum; and

6 (III) management systems re-
7 garding course equivalency, transfer
8 of credit, and articulation; and

9 (C) in the case of one or more public insti-
10 tutions of higher education in another State, or
11 one or more private, nonprofit institutions of
12 higher education, which seek to participate in a
13 postsecondary STEM pathway supported by the
14 eligible entity, enable such institutions to par-
15 ticipate in such postsecondary STEM pathway
16 by developing one or more separate articulation
17 agreements with such institutions that are
18 aligned with the requirements of the articula-
19 tion agreement described in subparagraph (B).

20 (3) a description of how the eligible entity will
21 disseminate information at a minimum to all sub-
22 groups of students in the middle grades and high
23 school served by the eligible entity, including their
24 families, about the opportunity to participate in a

1 postsecondary STEM pathway and the benefits of
2 participation;

3 (4) a description of how the eligible entity will
4 implement postsecondary STEM pathways in all
5 local educational agencies participating in the eligi-
6 ble entity, including—

7 (A) the timeline and plan to provide, by
8 the end of the grant period, a substantial num-
9 ber of students in the local educational agencies
10 within the eligible entity the opportunity to par-
11 ticipate in a postsecondary STEM pathway; and

12 (B) annual goals for participation in ad-
13 vanced coursework and postsecondary STEM
14 pathways among all subgroups of students such
15 that, if the goals are met—

16 (i) significant progress will be made
17 toward increasing equity in access to and
18 participation in advanced coursework and
19 postsecondary STEM pathways for sub-
20 groups of students across the local edu-
21 cational agencies within the eligible entity;
22 and

23 (ii) the demographics of students par-
24 ticipating in advanced coursework and
25 postsecondary STEM pathways will be

1 similar to the demographics of total stu-
2 dent enrollment in the State the eligible
3 entity is located in by the end of the grant
4 period;

5 (5) a description of how the eligible entity has,
6 or will, ensure that postsecondary STEM pathways
7 are aligned with recognized postsecondary creden-
8 tials in high-skill, high-wage, or in-demand indus-
9 tries or occupations and provide students, where ap-
10 propriate, with opportunities for work-based learn-
11 ing;

12 (6) a description of how the eligible entity con-
13 sulted with stakeholders in development of its appli-
14 cation and how the eligible entity will continue to en-
15 gage, collaborate, and solicit feedback with stake-
16 holders to improve implementation of the application
17 requirements described in this subsection and uses
18 of funds described in subsection (e), including—

19 (A) the State board of education (if the
20 State has a State board of education);

21 (B) the State higher education governing
22 or coordinating entity (if the State has such an
23 entity);

24 (C) the State board and relevant local
25 boards;

1 (D) the State agency responsible for the
2 administration of career and technical edu-
3 cation in the State or for the supervision of the
4 administration of career and technical edu-
5 cation in the State (if the State has such an en-
6 tity);

7 (E) institutions of higher education in the
8 State;

9 (F) local educational agencies, including
10 those located in rural areas and with the high-
11 est enrollments of students from low income
12 families, as described in subsection (c)(7)(C);

13 (G) representatives of Indian Tribes lo-
14 cated in the State;

15 (H) charter school leaders (if the State has
16 charter schools);

17 (I) civil rights organizations in the State;

18 (J) business leaders or their representa-
19 tives in the State;

20 (K) teachers, principals, and other school
21 leaders; and

22 (L) parents and students;

23 (7) an assurance that the eligible entity will
24 provide postsecondary STEM pathways at no cost to
25 students and their families, including that students

1 and their parents shall not be required to pay the
2 cost of tuition, fees (including examination fees asso-
3 ciated with Advanced Placement, International Bac-
4 calaureate, and similar examinations), books, and
5 supplies necessary to successfully complete postsec-
6 ondary STEM pathways;

7 (8) an assurance that not less than half of
8 grant funds received by the eligible entity will be
9 used to support all subgroups of students in access-
10 ing and completing postsecondary STEM pathways;
11 and

12 (9) an assurance that the State will comply
13 with the supplement, not supplant requirement de-
14 scribed under subsection (h); and

15 (10) a description of how the eligible entity will
16 sustain the activities assisted under the grant after
17 the end of the grant period.

18 (e) USES OF FUNDS.—

19 (1) REQUIRED USES.—An eligible entity receiv-
20 ing a grant under this section shall use grant funds
21 to carry out the following:

22 (A) Activities to implement the alignment
23 requirements pursuant to subsection (d)(2) for
24 a period of time not to exceed the first 2 fiscal
25 years for which the grant is provided.

1 (B) Supporting the development and im-
2 plementation of postsecondary STEM pathways
3 consistent with the timeline, plan, and goals
4 specified in subsection (d)(4) in order to in-
5 crease the number of students accessing and
6 completing postsecondary STEM pathways in
7 the State, which may include—

8 (i) expanding advanced coursework of-
9 fered to students served by the eligible en-
10 tity to increase the availability of postsec-
11 ondary STEM pathways;

12 (ii) covering tuition, fees (including
13 examination fees associated with Advanced
14 Placement, International Baccalaureate,
15 and similar examinations), books, and sup-
16 plies for students participating in postsec-
17 ondary STEM pathways, in accordance
18 with subsection (d)(7); and

19 (iii) covering transportation and tech-
20 nology infrastructure (including computers
21 devices and internet connectivity) costs
22 necessary for full participation in postsec-
23 ondary STEM pathways for students from
24 a family with a low income.

1 (C) Implementing programs and activities
2 to improve student preparation for, and partici-
3 pation in postsecondary STEM pathways, with
4 a priority for students enrolled in local edu-
5 cational agencies described in subsection
6 (c)(7)(C) and subgroups of students, which may
7 include—

8 (i) using data from evidence-based
9 early warning indicator systems;

10 (ii) providing supplemental advising or
11 counseling activities that are voluntary to
12 students, including information on choos-
13 ing postsecondary options, applying for fi-
14 nancial aid, completing applications to in-
15 stitutions of higher education, and career
16 counseling and advising, beginning as early
17 as the middle grades; and

18 (iii) other evidence-based activities to
19 support the successful implementation of
20 postsecondary STEM pathways and stu-
21 dents' transition from high school to post-
22 secondary education.

23 (D) Conducting outreach and commu-
24 nicating with subgroups of students, including
25 their families, to build awareness about the op-

1 portunity to participate in a postsecondary
2 STEM pathway and the benefits of partici-
3 pation.

4 (2) PERMITTED USES.—An eligible entity re-
5 ceiving a grant under this section may also use
6 grant funds to—

7 (A) provide professional development or re-
8 recruitment for educators employed by the local
9 educational agencies within the eligible entity
10 and for faculty who teach courses that are in-
11 cluded in a postsecondary STEM pathway, in-
12 cluding increasing the number of educators
13 qualified to teach dual or concurrent enrollment
14 programs in STEM courses, to improve access
15 and completion of such pathways, particularly
16 for subgroups of students; and

17 (B) carry out capacity-building efforts to
18 improve the coordination between the elemen-
19 tary and secondary education system and the
20 higher education system, including through
21 stakeholder engagement and monitoring.

22 (3) TRANSPORTATION CAP.—An eligible entity
23 may use not more than 10 percent of grant funds
24 to cover transportation costs authorized under para-
25 graph (1)(B)(iii).

1 (4) TECHNOLOGY INFRASTRUCTURE CAP.—An
2 eligible entity may use not more than 10 percent of
3 grant funds for purchasing technology as authorized
4 under paragraph (1)(B)(iii).

5 (f) REPORTING REQUIREMENTS.—

6 (1) ELIGIBLE ENTITY REPORTING.—Not later
7 than 1 year after receipt of a grant under this sec-
8 tion and every year until the grant period ends, the
9 eligible entity shall provide a report to the Secretary
10 that includes—

11 (A) information on the progress of the eli-
12 gible entity in establishing the policies and com-
13 pleting the required activities as specified in
14 subsection (d)(2);

15 (B) the number and percentage of local
16 educational agencies and institutions of higher
17 education in the State offering a postsecondary
18 STEM pathway, including changes year-over-
19 year, and the extent to which the eligible entity
20 was meeting its timeline, plan, and goals speci-
21 fied in subsection (d)(4);

22 (C) the eligible entity's progress in meeting
23 the goals established by the eligible entity for
24 the participation of subgroups of students in

1 postsecondary STEM pathways as specified in
2 subsection (d)(4);

3 (D) evidence demonstrating how the eligi-
4 ble entity certified each such pathway meets all
5 the requirements of this section;

6 (E) the number and percentage of students
7 in the State, including disaggregated by each
8 subgroup of students, who—

9 (i) participate in a postsecondary
10 STEM pathway; and

11 (ii) participate in a postsecondary
12 STEM pathway and—

13 (I) successfully complete a post-
14 secondary STEM pathway;

15 (II) enroll in an institution of
16 higher education and received credit,
17 in accordance with the alignment re-
18 quirements described in subsection
19 (d)(2);

20 (III) receive credit toward a rec-
21 ognized postsecondary credential for a
22 high-skill, high-wage, or in-demand in-
23 dustry sector or occupation; and

24 (IV) earn a postsecondary cre-
25 dential; and

1 (2) SECRETARY'S REPORT.—Not later than 6
2 months after receiving the initial report described in
3 paragraph (1) and annually thereafter, the Secretary
4 shall submit a report to the Committee on Health,
5 Education, Labor, and Pensions of the Senate and
6 the Committee on Education and Labor of the
7 House of Representatives that includes a summary
8 of reports submitted by eligible entities and identi-
9 fies best practices related to improving access to
10 STEM education and postsecondary education, par-
11 ticularly for subgroups of students, through the im-
12 plementation of postsecondary STEM pathways.

13 (g) EVALUATION.—The Secretary, acting through the
14 Director of the Institute of Education Sciences, shall con-
15 duct an independent evaluation after the initial award of
16 grants under this section, of the policies and services pro-
17 vided under this section, including at a minimum, the im-
18 pact of such policies and services on outcomes for all stu-
19 dents, particularly for subgroups of students, with regard
20 to each of the following:

21 (1) Enrollment in and completion of advanced
22 coursework during high school, including the number
23 of courses students take and the number of credits
24 students earn.

1 (2) Postsecondary enrollment, remediation,
2 first-year credit attainment, persistence, and comple-
3 tion, including the number of students who enrolled
4 in a STEM field, and the number of students who
5 received a credential in a STEM field.

6 (3) The rate at which credits earned through
7 postsecondary STEM pathways are recognized for
8 credit by public institutions of higher education in-
9 stitutions.

10 (4) Postsecondary degree attainment, including
11 completion of an associate degree, baccalaureate de-
12 gree, or recognized postsecondary credential, and the
13 time it takes students to earn a degree.

14 (5) Changes in access and rigor of STEM edu-
15 cation offered to students served by local educational
16 agencies in eligible entities.

17 (6) To the extent practicable, analysis of stu-
18 dent outcomes described in paragraphs (1) through
19 (5) by STEM field.

20 (h) SUPPLEMENT, NOT SUPPLANT.—Federal funds
21 provided under this section shall be used to supplement,
22 not supplant, other Federal, State, or local funds available
23 to carry out activities described in this section.

24 (i) DISAGGREGATION OF DATA.—Disaggregation of
25 data required under this section shall not be required

1 when the number of students in a subgroup is insufficient
2 to yield statistically reliable information or the results
3 would reveal personally identifiable information about an
4 individual student.

5 (j) AUTHORIZATION OF APPROPRIATIONS.—For the
6 purpose of carrying out this section, there are authorized
7 to be appropriated such sums as may be necessary for
8 each of fiscal years 2022 through 2026.

9 **SEC. 90202. IMPROVING ACCESS TO ELEMENTARY AND SEC-**
10 **ONDARY COMPUTER SCIENCE EDUCATION.**

11 (a) PURPOSE.—The purpose of this section is to im-
12 prove the United States’ global competitiveness by improv-
13 ing access to computer science education and computa-
14 tional thinking skills for students enrolled in elementary
15 schools and secondary schools operated by local edu-
16 cational agencies, particularly for students from groups
17 who are underrepresented in computer science fields.

18 (b) DEFINITIONS.—In this section:

19 (1) ESEA DEFINITIONS.—The terms “dual or
20 concurrent enrollment program”, “elementary
21 school”, “educational service agency”, “English
22 learner”, “evidence-based”, “local educational agen-
23 cy”, “middle grades”, “professional development”,
24 “secondary school”, “Secretary”, “State”, “State
25 educational agency”, and “technology” have the

1 meanings given the terms in section 8101 of the Ele-
2 mentary and Secondary Education Act of 1965 (20
3 U.S.C. 7801).

4 (2) COMPUTER SCIENCE EDUCATION.—The
5 term “computer science education” means instruc-
6 tion or learning regarding the study of computers
7 and algorithmic processes and the study of com-
8 puting principles and theories, as defined by a State,
9 and may include instruction or learning on—

10 (A) computer programming or coding as a
11 tool to—

12 (i) create software, such as applica-
13 tions, games, and websites; and

14 (ii) process, manage, analyze, or ma-
15 nipulate data;

16 (B) development and management of com-
17 puter hardware related to sharing, processing,
18 representing, securing, and using digital infor-
19 mation; and

20 (C) computational thinking skills and
21 interdisciplinary problem-solving to equip stu-
22 dents with the skills and abilities necessary to
23 apply computational thinking in the digital
24 world.

1 (3) COMPUTATIONAL THINKING SKILLS.—The
2 term “computational thinking skills” means critical
3 thinking skills that include—

4 (A) knowledge of how problems and solu-
5 tions can be expressed in such a way that allow
6 them to be modeled or solved using a computer
7 or machine;

8 (B) the use of strategies related to problem
9 decomposition, pattern matching, abstractions,
10 modularity, and algorithm design; and

11 (C) that involve creative problem solving
12 skills and are applicable across a wide-range of
13 disciplines and careers.

14 (4) SUBGROUP OF STUDENTS.—The term “sub-
15 groups of students” means—

16 (A) each subgroup of students described in
17 section 1111(b)(2)(B)(xi) of ESEA;

18 (B) homeless children and youth as defined
19 in section 725 of the McKinney-Vento Homeless
20 Assistance Act (42 U.S.C. 11434a); and,

21 (C) children and youth in foster care.

22 (5) TECHNOLOGY INFRASTRUCTURE.—The
23 term “technology infrastructure” means computer
24 devices and internet connectivity.

25 (c) AUTHORIZATION OF GRANTS.—

1 (1) IN GENERAL.—From the amounts appro-
2 priated under subsection (l), after making the res-
3 ervations described in paragraph (2), the Secretary
4 shall award computer science education program
5 grants, on a competitive basis, to State educational
6 agencies (which may include consortia of State edu-
7 cational agencies) that have submitted applications
8 described in subsection (d) to increase access to
9 computer science education and increase the develop-
10 ment of computational thinking skills in elementary
11 and secondary education, particularly for subgroups
12 of students , in order to increase American competi-
13 tiveness, in accordance with this section.

14 (2) RESERVATIONS.—From the total amount
15 appropriated under subsection (l) for a fiscal year,
16 the Secretary shall reserve—

17 (A) 1 percent for the Bureau of Indian
18 Education for the purpose of this section;

19 (B) 1 percent for allotments for payments
20 to the outlying areas, to be distributed among
21 those outlying areas on the basis of their rel-
22 ative need, as determined by the Secretary, for
23 the purposes of this section;

24 (C) 2 percent for technical assistance and
25 administration; and

1 (D) 2 percent for evaluation, in accordance
2 with subsection (h).

3 (3) STATE GRANTS.—

4 (A) IN GENERAL.—A State educational
5 agency receiving a grant under paragraph (1)
6 shall use not less than 90 percent of the grant
7 funds to award competitive subgrants to local
8 educational agencies, including charter schools
9 operating as a local educational agency, and
10 educational service agencies.

11 (B) STATE RESERVATIONS.—A State edu-
12 cational agency receiving a grant under para-
13 graph (1) shall reserve not more than 10 per-
14 cent of the total grant amount received by the
15 State for State level activities described in sub-
16 section (f)(1), of which not more than 2 percent
17 of the total grant amount received by the State
18 shall be used to provide technical assistance or
19 for administrative purposes.

20 (C) SUFFICIENT SIZE AND SCOPE.—Grants
21 awarded by the Secretary under this section
22 shall be of sufficient size and scope to allow
23 State educational agencies to carry out the pur-
24 pose of this section.

1 (D) DURATION; RENEWAL.—A grant
2 awarded under this section shall be for a period
3 of not more than 5 years. The Secretary may
4 renew a grant awarded under this section for 1
5 additional 2-year period for programs that meet
6 the outcomes described in the data-driven plan
7 required under subsection (d)(1).

8 (4) COORDINATION.—The Secretary shall co-
9 ordinate with the Director of the National Science
10 Foundation to support the effective implementation
11 of the grant program under this section.

12 (d) STATE APPLICATION.—In order to receive a
13 grant under this section, a State educational agency shall
14 submit an application to the Secretary at such time and
15 in such manner as the Secretary may reasonably require,
16 which shall include the following:

17 (1) A description of the State educational agen-
18 cy's plan to increase equitable access to computer
19 science education and improve the development of
20 computational thinking skills for all students, par-
21 ticularly for subgroups of students, including how
22 the State educational agency will—

23 (A) identify locations in the State, includ-
24 ing across and within local educational agencies
25 and across and within the schools served by

1 such agencies, in which there are gaps in access
2 to and enrollment in computer science
3 coursework for subgroups of students;

4 (B) use data collected in subparagraph (A)
5 to identify strategies for increasing access to
6 and enrollment in computer science coursework
7 for subgroups of students; and

8 (C) ensure that local educational agencies
9 and educational service agencies receiving a
10 subgrant under this section develop and imple-
11 ment strategies to meet such agency's goals de-
12 scribed in subsection (f)(2)(A), including
13 through the measurement and collection of local
14 data aligned with the State educational agen-
15 cy's plan.

16 (2) A description of the factors the State edu-
17 cational agency will take into account when review-
18 ing applications submitted by agencies under sub-
19 section (e) and making subgrants under this section,
20 including how such State educational agency shall—

21 (A) take into consideration the need among
22 agencies, including the number of students
23 served by such agencies who are from families
24 with low incomes, in accordance with paragraph
25 (3)(A)(i); and

1 (B) consider the agency’s capacity and
2 commitment, including the agencies’ previous
3 work to address achievement gaps, to—

4 (i) close equity gaps in access to and
5 enrollment in computer science education
6 coursework particularly for subgroups of
7 students; and

8 (ii) provide access to high-quality in-
9 struction to improve the development of
10 computational thinking skills in elementary
11 and secondary education, particularly for
12 students in elementary school and in the
13 middle grades.

14 (3) An assurance that the State educational
15 agency—

16 (A) shall give priority in subgrant awards
17 to local educational agencies that—

18 (i) are in the highest quartile of local
19 educational agencies, in a ranking of all
20 local educational agencies in the State,
21 ranked in descending order by the number
22 or percentage of children in each agency
23 counted under section 1124(e) of the Ele-
24 mentary and Secondary Education Act of
25 1965 (20 U.S.C. 6333(c)); or

1 (ii) will partner or collaborate with a
2 Historically Black College or University
3 (within the meaning of the term “part B
4 institution” under section 322 of the High-
5 er Education Act of 1965 (20 U.S.C.
6 1061)) or other institution described in
7 section 371(a) of the Higher Education
8 Act of 1965 (20 U.S.C. 1067q(a)), that is
9 located within the State, to carry out ac-
10 tivities under the subgrant, in accordance
11 with subsection (f)(2);

12 (B) will distribute subgrant awards among
13 geographically diverse areas, including urban,
14 suburban, and rural areas; and

15 (C) in operating the local competitive
16 subgrant process described in subsection
17 (c)(3)(A), shall conduct outreach to local edu-
18 cational agencies described in subparagraph
19 (A)(i) to make the agencies aware of the
20 subgrant availability under this section, and
21 provide technical assistance and support to such
22 agencies in submitting an application under
23 subsection (e).

24 (4) A description of the State educational agen-
25 cy’s strategy to increase the number of educators

1 prepared to teach computer science education, in-
2 cluding by—

3 (A) recruiting educators or individuals with
4 backgrounds in computer science to teach com-
5 puter science, diversifying the computer science
6 educator pipeline, providing evidence-based pro-
7 fessional development for current educators, or
8 providing evidence-based training for current
9 educators seeking to transition from other con-
10 tent areas to computer science; and

11 (B) working with public institutions of
12 higher education in the State to examine the
13 State’s policies regarding educator preparation
14 and licensure to support increased access and
15 enrollment for candidates enrolled in educator
16 preparation programs and current educators in
17 computer science education.

18 (5) A description of the policies and practices of
19 the State educational agency intended to support in-
20 creased access and enrollment in computer science
21 and support the development of computational
22 thinking skills for elementary school and secondary
23 school students, including—

24 (A) the State educational agency’s efforts
25 to assist local educational agencies to—

1 (i) offer computer science education in
2 secondary schools, which may include Ad-
3 vanced Placement or International Bacca-
4 laureate computer science courses, com-
5 puter science courses in dual or concurrent
6 enrollment programs, in-demand industry
7 credentials, or high-quality distance edu-
8 cation, particularly for subgroups of stu-
9 dents across the State as measured by the
10 data collected in paragraph (1)(A); and

11 (ii) support the development of oppor-
12 tunities for youth to access extracurricular
13 opportunities, career exploration and expo-
14 sure activities, career information and ad-
15 vising, and high-quality work-based learn-
16 ing opportunities (such as internships) to
17 increase exposure to computer science edu-
18 cation and career pathways, and support
19 the development of computational thinking
20 skills, particularly for subgroups of stu-
21 dents;

22 (B) how the State educational agency sup-
23 ports rigorous instruction in computer science
24 education and the development of computa-
25 tional thinking skills, particularly for students

1 enrolled in elementary school or in the middle
2 grades; and

3 (C) how the State educational agency's
4 plan described in paragraph (1) and grant
5 funds provided under subsection (c) will be used
6 to inform and change such policies and prac-
7 tices to increase access to instruction in com-
8 puter science education and the development of
9 computational thinking skills for all students,
10 particularly subgroups of students.

11 (e) SUBGRANT APPLICATIONS.—

12 (1) IN GENERAL.—In order to receive a
13 subgrant under this section, a local educational
14 agency (which may include a consortium of local
15 educational agencies) or an educational service agen-
16 cy shall submit an application to the State edu-
17 cational agency at such time, in such manner, and
18 including such information as the State educational
19 agency may reasonably require. At a minimum, such
20 application shall include the following:

21 (A) A description of how the local edu-
22 cational agency or educational service agency
23 will—

24 (i) develop and implement the plan
25 described in subsection (f)(2)(A); and

1 (ii) diversify and support its computer
2 science educators, including through re-
3 cruitment and retention activities, ana-
4 lyzing disparities among its educators by
5 race, ethnicity, sex, socioeconomic status,
6 age, disability status, and language ability,
7 and addressing such disparities, in align-
8 ment with the State educational agency's
9 strategy described in subsection (d)(4).

10 (B) A description of the existing computer
11 science education coursework offered in sec-
12 ondary schools operated by the local educational
13 agency or educational service agency, including
14 the number of students who enroll and complete
15 such courses disaggregated by each subgroup of
16 students.

17 (C) A description of how the local edu-
18 cational agency or educational service agency
19 will use subgrant funds to implement evidence-
20 based practices to improve the quality of in-
21 struction in computer science and the develop-
22 ment of computational thinking skills, includ-
23 ing—

24 (i) providing evidence-based profes-
25 sional development for educators who teach

1 computer science or are seeking to transi-
2 tion to teaching computer science; and

3 (ii) improving instruction in the devel-
4 opment of computational thinking skills for
5 students in elementary schools and sec-
6 ondary schools, particularly for students in
7 elementary schools and middle grades.

8 (D) A description regarding whether and
9 how the local educational agency or educational
10 service agency may partner or collaborate, to
11 carry out activities with the subgrant, in ac-
12 cordance with subsection (f)(2), with at least 1
13 of the following entities, to the extent prac-
14 ticable if such entities are located within the
15 State:

16 (i) A Historically Black College or
17 University (within the meaning of the term
18 “part B institution” under section 322 of
19 the Higher Education Act of 1965 (20
20 U.S.C. 1061)) or other institution de-
21 scribed in section 371(a) of the Higher
22 Education Act of 1965 (20 U.S.C.
23 1067q(a)).

24 (ii) A computer science industry, insti-
25 tution of higher education, nonprofit orga-

1 nization, community learning center (as
2 defined in section 4201(b) of the Elemen-
3 tary and Secondary Education Act of 1965
4 (20 U.S.C. 7171(b))), State workforce
5 agency, or the State workforce develop-
6 ment board established under section 101
7 of the Workforce Innovation and Oppor-
8 tunity Act (29 U.S.C. 3111).

9 (E) An assurance that the local edu-
10 cational agency or educational service agency
11 will meet the requirements under paragraph
12 (2).

13 (2) TARGETING OF FUNDS TO HIGH-NEEDS
14 SCHOOLS.—

15 (A) IN GENERAL.—A local educational
16 agency or educational service agency that re-
17 ceives a subgrant under this section shall use
18 not less than 50 percent of such funds to sup-
19 port elementary schools and secondary schools
20 that meet one of the following criteria:

21 (i) Using any of the measures of pov-
22 erty in section 1113(a)(5) of the Elemen-
23 tary and Secondary Education Act of 1965
24 (20 U.S.C. 6313(a)(5)), elementary schools
25 and secondary schools that have a higher

1 percentage of students from families with
2 low incomes than the average of the per-
3 centage of students from families with low
4 incomes across all elementary schools and
5 secondary schools served by the local edu-
6 cational agency or educational service
7 agency.

8 (ii) Using any of the measures of pov-
9 erty in section 1113(a)(5) of the Elemen-
10 tary and Secondary Education Act of 1965
11 (20 U.S.C. 6313(a)(5)), elementary schools
12 and secondary schools by grade-span
13 grouping that have a higher percentage of
14 students from families with low incomes
15 than the average of the percentage of stu-
16 dents from families with low incomes
17 across all elementary schools and sec-
18 ondary schools serving students in such
19 grade-span grouping in the local edu-
20 cational agency or educational service
21 agency.

22 (B) SECONDARY SCHOOLS.—In identifying
23 schools under subparagraph (A), percentages of
24 students from families with low incomes in sec-
25 ondary schools may be calculated using com-

1 parable data from the schools that feed into
2 such secondary school.

3 (f) USES OF FUNDS.—

4 (1) STATE USE OF FUNDS.—A State edu-
5 cational agency shall use amounts reserved under
6 subsection (c)(3)(B) for 1 or more of the following:

7 (A) Implementing the plan described in
8 subsection (d)(1), including through the provi-
9 sion of technical assistance, data collection and
10 analysis, and capacity building supports to all
11 local educational agencies within the State, to
12 expand access to rigorous computer science edu-
13 cation and increase the development of com-
14 putational thinking skills for elementary school
15 and secondary school students, particularly for
16 subgroups of students.

17 (B) Implementing the State educational
18 agency's strategy to support computer science
19 educators described in subsection (d)(4) by di-
20 versifying and increasing the number of edu-
21 cators adequately prepared to deliver rigorous
22 instruction in computer science, through re-
23 cruitment, evidence-based professional develop-
24 ment for educators, or evidence-based training

1 for current educators seeking to transition from
2 other subjects to computer science.

3 (C) Identifying and supporting the imple-
4 mentation and scaling of evidence-based in-
5 structional strategies in computer science edu-
6 cation and instruction on how to develop com-
7 putational thinking skills in students that are
8 supported by strong or moderate evidence.

9 (D) Supporting the development of oppor-
10 tunities for youth to access extracurricular op-
11 portunities, career exploration and exposure ac-
12 tivities, career information and advising, and
13 high-quality work-based learning opportunities
14 (such as internships), to develop computational
15 thinking skills and increase exposure to com-
16 puter science education and career pathways
17 particularly for subgroups of students.

18 (2) LOCAL EDUCATIONAL AGENCY'S USE OF
19 FUNDS.—A local educational agency or educational
20 service agency that receives a subgrant under this
21 section shall use funds for the following activities:

22 (A) Developing and implementing a plan
23 (in alignment with the State educational agen-
24 cy's plan described in subsection (d)(1)) that—

1930

1 (i) regularly measures, analyzes, and
2 addresses gaps in access to and enrollment
3 in computer science education and in the
4 development of computational thinking
5 skills for subgroups of students;

6 (ii) establishes goals and specifies ac-
7 tivities supported by subgrant funds to
8 meet those goals by—

9 (I) increasing access to computer
10 science education coursework in ele-
11 mentary schools and secondary
12 schools that do not offer such courses;

13 (II) addressing challenges faced
14 by subgroups of students in enrolling
15 and succeeding in computer science
16 education coursework in elementary
17 schools and secondary schools that do
18 offer such courses; and

19 (III) providing high-quality in-
20 struction to support the development
21 of computational thinking skills for
22 students in elementary schools and
23 secondary schools, particularly for
24 students in elementary schools and
25 middle grades; and

1 (iii) prioritizes using subgrant funds
2 to support schools with significant enroll-
3 ments of students from families with low
4 incomes as described in subsection (e)(2).

5 (B) Carrying out 1 or more of the fol-
6 lowing:

7 (i) Expanding access to rigorous com-
8 puter science education and improve the
9 development of computational thinking
10 skills for all students especially subgroups
11 of students, including through—

12 (I) increasing access to computer
13 science education in elementary
14 schools and secondary schools, includ-
15 ing through expanded course offerings
16 such as Advanced Placement or Inter-
17 national Baccalaureate courses, dual
18 or concurrent enrollment programs,
19 in-demand industry recognized creden-
20 tials, or distance education; and

21 (II) improving the development
22 of computational thinking skills for
23 students in elementary schools and
24 secondary schools, particularly ele-
25 mentary schools and in the middle

1 grades, including through instruc-
2 tional materials technology infrastruc-
3 ture, and evidence-based professional
4 development, with the goal of more ef-
5 fectively preparing such students for
6 success in computer science education,
7 such as enrollment in computer
8 science education coursework in sec-
9 ondary school, receiving a postsec-
10 ondary degree or credential in com-
11 puter science, and attaining a career
12 in computer science or a related field.

13 (ii) Diversifying, supporting, and in-
14 creasing the number of educators ade-
15 quately prepared to deliver rigorous in-
16 struction in computer science education,
17 by—

18 (I) providing evidence-based pro-
19 fessional development for educators
20 who, at the time that the local edu-
21 cational agency receives the
22 subgrant—

23 (aa) teach computer science;
24 or

1933

1 (bb) are seeking to transi-
2 tion to teaching computer
3 science;

4 (II) recruiting and retaining edu-
5 cators described in subclause (I); and

6 (III) analyzing disparities
7 amongst computer science educators
8 by race, ethnicity, sex, socioeconomic
9 status, age, disability status, and lan-
10 guage ability, and addressing such
11 disparities.

12 (iii) Implement evidence-based prac-
13 tices to improve the quality of instruction
14 regarding computer science and the devel-
15 opment of computational thinking skills.

16 (iv) Supporting student mastery of
17 the development of problem-solving skills
18 and other key prerequisites for computer
19 science education coursework, including al-
20 gebra and statistics, to promote success in
21 computer science education coursework.

22 (v) Establishing robust regional col-
23 laborations with relevant local entities to
24 improve work-based learning opportunities
25 and career exploration and exposure in

1 computer science, for elementary school
2 and secondary school students, that may
3 include collaborating with computer science
4 industry, institutions of higher education,
5 nonprofit organizations, community learn-
6 ing centers (as defined in section 4201(b)
7 of the Elementary and Secondary Edu-
8 cation Act of 1965 (20 U.S.C. 7171(b)), a
9 State workforce agency, or a State work-
10 force development board established under
11 section 101 of the Workforce Innovation
12 and Opportunity Act (29 U.S.C. 3111).

13 (vi) Supporting the development of
14 opportunities for youth to access extra-
15 curricular opportunities, career exploration
16 and exposure activities, career information
17 and advising, and high-quality work-based
18 learning opportunities (such as intern-
19 ships), to develop computational thinking
20 skills and increase exposure to computer
21 science education and career pathways.

22 (3) RESTRICTION.—A local educational agency
23 or educational service agency that receive a subgrant
24 under this section shall not use more than 15 per-

1 cent of subgrant funds for purchasing technology in-
2 frastructure as described in paragraph (2)(B)(i)(II).

3 (g) REPORTING REQUIREMENTS.—

4 (1) LOCAL REPORTING.—Each local educational
5 agency and educational service agency that receives
6 a subgrant under this section shall submit a report
7 to the State educational agency on an annual basis
8 that contains any information required by the State
9 educational agency and, at a minimum, the fol-
10 lowing:

11 (A) The number of students enrolled in
12 computer science education coursework in the
13 schools served by such local educational agency
14 or educational service agency, and an update on
15 the progress in addressing the equity gaps iden-
16 tified under subsection (f)(2)(A).

17 (B) A description of actions and changes
18 in policies and practice by the local educational
19 agency or educational service agency to improve
20 access and increase enrollment and success in
21 computer science education and increase the de-
22 velopment of computational thinking skills for
23 elementary school and secondary school stu-
24 dents, particularly for students in elementary
25 schools and middle grades.

1 (C) Data on the number and diversity of
2 educators providing instruction in computer
3 science education.

4 (2) STATE REPORTING.—Not later than 1 year
5 after the date of enactment of this section and annu-
6 ally thereafter, a State educational agency that re-
7 ceives a grant under this section shall provide a re-
8 port to the Secretary, including, at a minimum—

9 (A) a summary of the reports received by
10 the State educational agency under paragraph
11 (1);

12 (B) a description of changes in State pol-
13 icy to improve access and increase enrollment in
14 computer science education and the develop-
15 ment of computational thinking skills;

16 (C) an update of the State educational
17 agency's implementation of its plan described in
18 subsection (d)(1); and

19 (D) an update of the State educational
20 agency's implementation of its strategy to in-
21 crease the number and diversity of educators
22 prepared to teach computer science described in
23 subsection (d)(4).

24 (h) EVALUATION.—

1 (1) IN GENERAL.—The Secretary, acting
2 through the Director of the Institute of Education
3 Sciences, shall carry out an independent evaluation
4 to measure the effectiveness of the program funded
5 under this section.

6 (2) CONTENTS.—The evaluation under para-
7 graph (1) shall measure—

8 (A) the effectiveness of the program in ex-
9 panding access to computer science education
10 and the development of computational thinking
11 skills for all students, particularly for sub-
12 groups of students;

13 (B) the extent to which the program im-
14 proved the development of computational think-
15 ing skills for elementary schools and secondary
16 school students, particularly in elementary
17 schools and middle grades; and

18 (C) the effectiveness of the program in di-
19 versifying, supporting, and increasing the num-
20 ber of educators adequately prepared to deliver
21 rigorous instruction in computer science edu-
22 cation and how to develop computational think-
23 ing skills in students.

24 (i) RULE OF CONSTRUCTION.—The Secretary shall
25 comply with the requirements of section 8526A of the Ele-

1 mentary and Secondary Education Act of 1965 (20 U.S.C.
2 7906a) in carrying out activities under this section.

3 (j) SUPPLEMENT NOT SUPPLANT.—Federal funds
4 provided under this section shall be used to supplement,
5 and not supplant, other Federal, State, or local funds
6 available to carry out the activities described in this sec-
7 tion.

8 (k) DISAGGREGATION OF DATA.—Disaggregation of
9 data required under this section shall not be required
10 when the number of students in a subgroup is insufficient
11 to yield statistically reliable information or the results
12 would reveal personally identifiable information about an
13 individual student.

14 (l) AUTHORIZATION OF APPROPRIATIONS.—There
15 are authorized to be appropriated to carry out this section
16 such sums as may be necessary for each of fiscal years
17 2022 through 2026.

18 **TITLE III—HIGHER EDUCATION**

19 **SEC. 90301. REAUTHORIZATION OF INTERNATIONAL EDU- 20 **CATION PROGRAMS UNDER TITLE VI OF THE 21 **HIGHER EDUCATION ACT OF 1965.******

22 (a) GRADUATE AND UNDERGRADUATE LANGUAGE
23 AND AREA CENTERS AND PROGRAMS.—Section
24 602(b)(2)(B)(ii) of the Higher Education Act of 1965 (20
25 U.S.C. 1122(b)(2)(B)(ii)) is amended—

1 (1) in subclause (III), by striking “or”;

2 (2) in subclause (IV), by striking the period at
3 the end and inserting “; or”; and

4 (3) by adding at the end the following:

5 “(V) the beginning, intermediate, or
6 advanced study of a foreign language re-
7 lated to the area of specialization.”.

8 (b) INTERNATIONAL RESEARCH AND INNOVATION.—

9 Section 605 of the Higher Education Act of 1965 (20
10 U.S.C. 1125) is amended to read as follows:

11 **“SEC. 605. INTERNATIONAL RESEARCH AND INNOVATION.**

12 “(a) PURPOSE.—It is the purpose of this section to
13 support essential international and foreign language edu-
14 cation research and innovation projects with the goal of
15 assessing and strengthening international education ca-
16 pacity, coordination, delivery, and outcomes to meet na-
17 tional needs.

18 “(b) AUTHORITY.—

19 “(1) IN GENERAL.—From the amount provided
20 to carry out this section, the Secretary shall carry
21 out the following activities:

22 “(A) Conduct research and studies that
23 contribute to the purpose described in sub-
24 section (a) and include research to provide a
25 systematic understanding of the United States’

1 international and foreign language education
2 capacity, structures, and effectiveness in meet-
3 ing growing demands by education, government,
4 and the private sector (including business and
5 other professions).

6 “(B) Create innovative paradigms or en-
7 hance or scale up proven strategies and prac-
8 tices that address systemic challenges to devel-
9 oping and delivering international and foreign
10 language education resources and expertise
11 across educational disciplines and institutions,
12 and for employers and other stakeholders.

13 “(C) Develop and manage a national
14 standardized database that includes the
15 strengths, gaps, and trends in the international
16 and foreign language education capacity of the
17 United States, and document the outcomes of
18 programs funded under this title for every
19 grant cycle.

20 “(2) GRANTS OR CONTRACTS.—The Secretary
21 shall carry out activities to achieve the outcomes de-
22 scribed in paragraph (1)—

23 “(A) directly; or

24 “(B) through grants awarded under sub-
25 section (d) or (e).

1 “(c) ELIGIBLE ENTITIES DEFINED.—In this section,
2 the term ‘eligible entity’ means—

3 “(1) an institution of higher education;

4 “(2) a public or private nonprofit library;

5 “(3) a nonprofit educational organization;

6 “(4) an entity that—

7 “(A) received a grant under this title for
8 a preceding fiscal year and successfully met the
9 goals and requirements of the grant; or

10 “(B) as of the date of application for a
11 grant under this section, is receiving a grant
12 under this title and is demonstrating that the
13 entity is successfully meeting the goals and re-
14 quirements of such grant under this title; or

15 “(5) a partnership of two or more entities de-
16 scribed in paragraphs (1) through (4).

17 “(d) RESEARCH GRANTS.—

18 “(1) PROGRAM AUTHORIZED.—For any fiscal
19 year for which the Secretary carries out activities to
20 achieve the outcomes described in subsection (b)(1)
21 through research grants under this subsection, the
22 Secretary shall award such grants, on a competitive
23 basis, to eligible entities.

24 “(2) REQUIRED ACTIVITIES.—An eligible entity
25 that receives a grant under this subsection shall use

1 the grant funds to pay for the Federal share of the
2 costs of the systematic development, collection, anal-
3 ysis, publication, and dissemination of data, and
4 other information resources, in a manner that—

5 “(A) is easily understandable, made pub-
6 licly available, and contributes to achieving the
7 purpose of subsection (a); and

8 “(B) achieves at least 1 of the outcomes
9 described in subsection (b)(1)(A) or (C).

10 “(3) DISCRETIONARY ACTIVITIES.—An eligible
11 entity that receives a grant under this subsection
12 may use the grant to carry out any of the following
13 activities:

14 “(A) Assess and document international
15 and foreign language education capacity and
16 supply through studies or surveys that—

17 “(i) determine the number of foreign
18 language courses, programs, and enroll-
19 ments at all levels of education and in all
20 languages, including a determination of
21 gaps in those languages deemed critical to
22 the national interest;

23 “(ii) measure the number and types of
24 degrees or certificates awarded in area
25 studies, global studies, foreign language

1 studies, and international business and
2 professional studies, including identifica-
3 tion of gaps in those studies deemed crit-
4 ical to the national interest;

5 “(iii) measure the number of foreign
6 language or area or international studies
7 faculty, including international business
8 faculty, and to the extent practicable, ele-
9 mentary school and secondary school for-
10 eign language teachers; or

11 “(iv) measure the number of under-
12 graduate and graduate students engaging
13 in international education programs.

14 “(B) Assess the demands for, and out-
15 comes of, international and foreign language
16 education and their alignment, through studies,
17 surveys, and conferences to—

18 “(i) determine demands for increased
19 or improved instruction in foreign lan-
20 guage, area or global studies, or other
21 international fields, and the demand for
22 employees with such skills and knowledge
23 in the education, government, and private
24 sectors (including business and other pro-
25 fessions);

1 “(ii) assess the employment or utiliza-
2 tion of graduates of programs supported
3 under this title by educational, govern-
4 mental, and private sector organizations
5 (including business and other professions);
6 or

7 “(iii) assess standardized outcomes
8 and effectiveness and benchmarking of
9 programs supported under this title.

10 “(C) Develop and publish specialized mate-
11 rials for use in foreign language, area, global,
12 or other international studies, including in
13 international business or other professional edu-
14 cation or technical training, as appropriate.

15 “(D) Conduct studies or surveys that iden-
16 tify and document challenges in higher edu-
17 cation and elementary school and secondary
18 school systems in increasing the availability of
19 international and foreign language education to
20 students, including challenges in current evalua-
21 tion standards, entrance and graduation re-
22 quirements, program accreditation, student de-
23 gree requirements, or teacher and faculty legal
24 workplace barriers to education and research
25 abroad.

1 “(E) With respect to underrepresented in-
2 stitutions of higher education (including minor-
3 ity-serving institutions or community colleges),
4 carry out studies or surveys that identify and
5 document—

6 “(i) systemic challenges and changes
7 and incentives and partnerships needed to
8 comprehensively and sustainably inter-
9 nationalize educational programming; or

10 “(ii) short- and long-term outcomes of
11 successful internationalization strategies
12 and funding models.

13 “(F) Evaluate the extent to which pro-
14 grams assisted under this title reflect diverse
15 perspectives and a wide range of views and gen-
16 erate debate on world regions and international
17 affairs.

18 “(e) INNOVATION GRANTS.—

19 “(1) PROGRAM AUTHORIZED.—For any fiscal
20 year for which the Secretary carries out activities to
21 achieve the outcomes described in subsection (b)(1)
22 through innovation grants under this subsection, the
23 Secretary shall award such grants, on a competitive
24 basis, to eligible entities.

1 “(2) USES OF FUNDS.—An eligible entity that
2 receives an innovation grant under this subsection
3 shall use the grant funds to pay the Federal share
4 of projects consistent with the purpose described in
5 subsection (a) that establish and conduct innovative
6 strategies, or scale up proven strategies, and that
7 achieve at least 1 of the outcomes described in sub-
8 section (b)(1). Such projects may include one or
9 more of the following:

10 “(A) Innovative paradigms to improve
11 communication, sharing, and delivery of re-
12 sources that further the purpose described in
13 subsection (a), including the following:

14 “(i) Networking structures and sys-
15 tems to more effectively match graduates
16 with international and foreign language
17 education skills with employment needs.

18 “(ii) Sharing international specialist
19 expertise across institutions of higher edu-
20 cation or in the workforce to pursue spe-
21 cialization or learning opportunities not
22 available at any single institution of higher
23 education, such as shared courses for
24 studying less commonly taught languages,
25 world areas or regions, international busi-

1 ness or other professional areas, or special-
2 ized research topics of national strategic
3 interest.

4 “(iii) Producing, collecting, orga-
5 nizing, preserving, and widely dissemi-
6 nating international and foreign language
7 education expertise, resources, courses, and
8 other information through the use of elec-
9 tronic technologies and other techniques.

10 “(iv) Collaborative initiatives to iden-
11 tify, capture, and provide consistent access
12 to, and creation of, digital global library
13 resources that are beyond the capacity of
14 any single eligible entity receiving a grant
15 under this section or any single institution
16 of higher education, including the profes-
17 sional development of library staff.

18 “(v) Utilization of technology to cre-
19 ate open-source resources in international,
20 area, global, and foreign language studies
21 that are adaptable to multiple educational
22 settings and promote interdisciplinary
23 partnerships between technologists, cur-
24 riculum designers, international and for-

1 foreign language education experts, language
2 teachers, and librarians.

3 “(B) Innovative curriculum, teaching, and
4 learning strategies, including the following:

5 “(i) New initiatives for collaborations
6 of disciplinary programs with foreign lan-
7 guage, area, global, and international stud-
8 ies, and education abroad programs that
9 address the internationalization of such
10 disciplinary studies with the purpose of
11 producing globally competent graduates.

12 “(ii) Innovative collaborations between
13 established centers of international and
14 foreign language education excellence and
15 underrepresented institutions and popu-
16 lations seeking to further their goals for
17 strengthening international, area, global,
18 and foreign language studies, including at
19 minority-serving institutions or community
20 colleges.

21 “(iii) Teaching and learning collabora-
22 tions among foreign language, area, global,
23 or other international studies with diaspora
24 communities, including heritage students.

1 “(iv) New approaches and methods to
2 teaching emerging global issues, cross-re-
3 gional interactions, and underrepresented
4 regions or countries, such as project- and
5 team-based learning.

6 “(C) Innovative assessment and outcome
7 tools and techniques that further the purpose
8 described in subsection (a), including the fol-
9 lowing:

10 “(i) International and foreign lan-
11 guage education assessment techniques
12 that are coupled with outcome-focused
13 learning modules, such as certificates or
14 badges, immersion learning, or e-portfolio
15 systems.

16 “(ii) Effective and easily accessible
17 methods of assessing professionally useful
18 levels of proficiency in foreign languages or
19 competencies in area, culture, and global
20 knowledge or other international fields in
21 programs under this title, which may in-
22 clude use of open access online and other
23 cost-effective tools for students and edu-
24 cators at all educational levels and in the
25 workplace.

1 “(f) APPLICATION.—Each eligible entity desiring a
2 grant under this section shall submit to the Secretary an
3 application at such time, in such manner, and containing
4 such information as the Secretary shall require, includ-
5 ing—

6 “(1) a description of each proposed project the
7 eligible entity plans to carry out under this section
8 and how such project meets the purpose described in
9 subsection (a);

10 “(2) if applicable, a demonstration of why the
11 entity needs a waiver or reduction of the matching
12 requirement under subsection (g); and

13 “(3) an assurance that each such proposed
14 project will be self-sustainable after the project is
15 completed.

16 “(g) MATCHING REQUIREMENT.—

17 “(1) IN GENERAL.—The Federal share of the
18 total cost for carrying out a project supported by a
19 grant under this section shall be not more than 50
20 percent.

21 “(2) NON-FEDERAL SHARE CONTRIBUTIONS.—
22 The non-Federal share of such cost shall be no less
23 than 50 percent and may be provided either in-kind
24 or in cash, from institutional and non-institutional
25 funds, including contributions from State or private

1 sector corporations, nonprofit entities, or founda-
2 tions.

3 “(3) SPECIAL RULE.—Notwithstanding para-
4 graphs (1) and (2), the Secretary may waive or re-
5 duce the non-Federal share required under para-
6 graph (2) for eligible entities that—

7 “(A) are minority-serving institutions or
8 are community colleges; or

9 “(B) have submitted a grant application as
10 required by subsection (f) that demonstrates a
11 need for such a waiver or reduction.

12 “(h) DATABASE AND REPORTING.—The Secretary
13 shall directly, or through grants or contracts with an eligi-
14 ble grant recipient—

15 “(1) establish, curate, maintain, and update at
16 least every grant cycle a web-based site which shall
17 showcase the results of this section and serve as a
18 user-friendly repository of the information, re-
19 sources, and best practices generated through activi-
20 ties conducted under this section; and

21 “(2) prepare, publish, and disseminate to Con-
22 gress and the public at least once every 2 years, a
23 report that summarizes key findings and policy
24 issues from the activities conducted under this sec-
25 tion, especially as such activities relate to inter-

1 national and foreign language education and out-
2 comes.”.

3 (c) DISCONTINUATION OF FOREIGN INFORMATION
4 ACCESS PROGRAM.—Part A of title VI of the Higher Edu-
5 cation Act of 1965 (20 U.S.C. 1121 et seq.) is further
6 amended—

7 (1) by striking sections 606 and 610; and

8 (2) redesignating sections 607, 608, and 609 as
9 sections 606, 607, and 608, respectively.

10 (d) FINDINGS AND PURPOSE FOR GLOBAL BUSINESS
11 AND PROFESSIONAL EDUCATION PROGRAMS.—Section
12 611 of the Higher Education Act of 1965 (20 U.S.C.
13 1130) is amended—

14 (1) in subsection (a)—

15 (A) by amending paragraph (1) to read as
16 follows:

17 “(1) the future welfare of the United States will
18 depend substantially on increasing international and
19 global skills in business, educational, and other pro-
20 fessional communities and creating an awareness
21 among the American public of the internationaliza-
22 tion of our economy and numerous other profes-
23 sional areas important to the national interest in the
24 21st century;”;

1 (B) by amending paragraph (2) to read as
2 follows:

3 “(2) concerted efforts are necessary to engage
4 business and other professional or technical edu-
5 cation programs, language, area, and global study
6 programs, professional international affairs edu-
7 cation programs, public and private sector organiza-
8 tions, and United States business in a mutually pro-
9 ductive relationship which benefits the Nation’s fu-
10 ture economic and security interests;”;

11 (C) in paragraph (3), by striking “and the
12 international” and inserting “and other profes-
13 sional fields and the international and global”;
14 and

15 (D) in paragraph (4)—

16 (i) by inserting “, as well as other
17 professional organizations,” after “depart-
18 ments of commerce”; and

19 (ii) by inserting “or other professions”
20 after “business”; and

21 (2) in subsection (b)—

22 (A) in paragraph (1)—

23 (i) by striking “and economic enter-
24 prise” and inserting “, economic enter-
25 prise, and security”; and

1 (ii) by inserting “and other profes-
2 sional” before “personnel”; and

3 (B) in paragraph (2), by striking “to pros-
4 per in an international” and inserting “and
5 other professional fields to prosper in a global”.

6 (e) **PROFESSIONAL AND TECHNICAL EDUCATION FOR**
7 **GLOBAL COMPETITIVENESS.**—Section 613 of the Higher
8 Education Act of 1965 (20 U.S.C. 1130a) is amended to
9 read as follows:

10 **“SEC. 613. PROFESSIONAL AND TECHNICAL EDUCATION**
11 **FOR GLOBAL COMPETITIVENESS.**

12 “(a) **PURPOSE.**—The purpose of this section is to
13 support innovative strategies that provide undergraduate
14 and graduate students with the global professional com-
15 petencies, perspectives, and skills needed to strengthen
16 and enrich global engagement and competitiveness in a
17 wide variety of professional and technical fields important
18 to the national interest in the 21st century.

19 “(b) **PROGRAM AUTHORIZED.**—The Secretary shall
20 make grants to, or enter into contracts with, eligible enti-
21 ties to pay the Federal share of the cost of programs de-
22 signed to—

23 “(1) establish an interdisciplinary global focus
24 in the undergraduate and graduate curricula of busi-
25 ness, science, technology, engineering, and other pro-

1 professional or technical education programs to be de-
2 termined by the Secretary based on national needs;

3 “(2) produce graduates with proficiencies in
4 both the global aspects of their professional or tech-
5 nical education fields and international, cross-cul-
6 tural, and foreign language skills; and

7 “(3) provide appropriate services to or partner-
8 ships with the corporate, government, and nonprofit
9 communities in order to expand knowledge and ca-
10 pacity for global engagement and competitiveness
11 and provide internship or employment opportunities
12 for students and graduates with international skills.

13 “(c) MANDATORY ACTIVITIES.—An eligible entity
14 that receives a grant or contract under this section shall
15 use the grant or contract to carry out the following:

16 “(1) With respect to undergraduate or graduate
17 professional and technical education curricula, incor-
18 porating—

19 “(A) foreign language programs that lead
20 to proficiency, including immersion opportuni-
21 ties;

22 “(B) international, area, or global studies
23 programs;

24 “(C) education, internships, or other inno-
25 vative or technological linkages abroad; and

1 “(D) global business, economic, and trade
2 studies, where appropriate.

3 “(2) Innovating and improving international,
4 global, and foreign language education curricula to
5 serve the needs of business and other professional
6 and nonprofit communities, including development of
7 new programs for nontraditional, mid-career, or
8 part-time students.

9 “(3) Establishing education or internship
10 abroad programs, domestic globally-focused intern-
11 ships, or other innovative approaches to enable un-
12 dergraduate or graduate students in professional or
13 technical education to develop foreign language skills
14 and knowledge of foreign cultures, societies, and
15 global dimensions of their professional fields.

16 “(4) Developing collaborations between institu-
17 tions of higher education and corporations or non-
18 profit organizations in order to strengthen engage-
19 ment and competitiveness in global business, trade,
20 or other global professional activities.

21 “(d) DISCRETIONARY ACTIVITIES.—An eligible entity
22 that receives a grant or contract under this section may
23 use the grant or contract to carry out the following:

24 “(1) Developing specialized teaching materials
25 and courses, including foreign language and area or

1 global studies materials, and innovative technological
2 delivery systems appropriate for professionally-ori-
3 ented students.

4 “(2) Establishing student fellowships or other
5 innovative support opportunities, including for
6 underrepresented populations, first generation col-
7 lege students (defined in section 402A), and heritage
8 learners, for education in global professional develop-
9 ment activities.

10 “(3) Developing opportunities or fellowships for
11 faculty or junior faculty of professional or technical
12 education (including the faculty of minority-serving
13 institutions or community colleges) to acquire or
14 strengthen international and global skills and per-
15 spectives.

16 “(4) Establishing international linkages or part-
17 nerships with institutions of higher education, cor-
18 porations, or organizations that contribute to the ob-
19 jectives of this section.

20 “(5) Establishing trade education programs
21 through agreements with regional, national, global,
22 bilateral, or multilateral trade centers, councils, or
23 associations.

24 “(e) APPLICATION.—Each eligible entity desiring a
25 grant or contract under this section shall submit an appli-

1 cation to the Secretary at such time, in such manner, and
2 including such information as the Secretary may reason-
3 ably require, including assurances that—

4 “(1) each proposed project have reasonable and
5 demonstrable plans for sustainability and
6 replicability upon completion of the project;

7 “(2) the institution of higher education will use
8 the assistance provided under this section to supple-
9 ment and not supplant other activities described in
10 subsection (b) that are conducted by the institution
11 of higher education as of the day before the date of
12 the grant or contract;

13 “(3) in the case of eligible entities that are con-
14 sortia of institutions of higher education, or partner-
15 ship described in subsection (g)(1)(C), a copy of
16 their partnership agreement that demonstrates com-
17 pliance with subsection (b) will be provided to the
18 Secretary;

19 “(4) the activities funded by the grant or con-
20 tract will reflect diverse perspectives and a wide
21 range of views of world regions and international af-
22 fairs where applicable; and

23 “(5) if applicable, a demonstration of why the
24 eligible entity needs a waiver or reduction of the
25 matching requirement under subsection (f).

1 “(f) MATCHING REQUIREMENT.—

2 “(1) IN GENERAL.—The Federal share of the
3 total cost for carrying out a program supported by
4 a grant under this section shall be not more than 50
5 percent.

6 “(2) NON-FEDERAL SHARE CONTRIBUTIONS.—

7 The non-Federal share of such cost shall be not less
8 than 50 percent and may be provided either in-kind
9 or in cash, from institutional and non-institutional
10 funds, including contributions from State and pri-
11 vate sector corporations, nonprofit entities, or foun-
12 dations.

13 “(3) SPECIAL RULE.—Notwithstanding para-
14 graphs (1) and (2), the Secretary may waive or re-
15 duce the non-Federal share required under para-
16 graph (2) for eligible entities that—

17 “(A) are minority-serving institutions or
18 are community colleges; or

19 “(B) have submitted a grant application as
20 required by subsection (e) that demonstrates a
21 need for such a waiver or reduction.

22 “(g) DEFINITIONS.—In this section:

23 “(1) ELIGIBLE ENTITY.—The term ‘eligible en-
24 tity’ means—

25 “(A) an institution of higher education;

1960

1 “(B) a consortia of such institutions; or

2 “(C) a partnership between—

3 “(i) an institution of higher education
4 or a consortia of such institutions; and

5 “(ii) at least one corporate or non-
6 profit entity.

7 “(2) PROFESSIONAL AND TECHNICAL EDU-
8 CATION.—The term ‘professional and technical edu-
9 cation’ means a program at an institution of higher
10 education that offers undergraduate, graduate, or
11 post-graduate level education in a professional or
12 technical field that is determined by the Secretary as
13 meeting a national need for global or international
14 competency (which may include business, science,
15 technology, engineering, law, health, energy, environ-
16 ment, agriculture, transportation, or education).

17 “(h) FUNDING RULE.—Notwithstanding any other
18 provision of this title, funds made available to the Sec-
19 retary for a fiscal year may not be obligated or expended
20 to carry out this section unless the funds appropriated for
21 such fiscal year to carry out this title exceed
22 \$69,353,000.”.

23 (f) DISCONTINUATION OF CERTAIN AUTHORIZATIONS
24 OF APPROPRIATIONS.—Part B of title VI of the Higher

1 Education Act of 1965 (20 U.S.C. 1130 et seq.) is further
2 amended by striking section 614.

3 (g) REPEAL OF INSTITUTE FOR INTERNATIONAL
4 PUBLIC POLICY.—Title VI of the Higher Education Act
5 of 1965 (20 U.S.C. 1131 et seq.) is amended—

6 (1) by striking part C; and

7 (2) by redesignating part D as part C.

8 (h) DEFINITIONS.—Section 631(a) of the Higher
9 Education Act of 1965 (20 U.S.C. 1132(a)) is amended—

10 (1) by adding at the end the following:

11 “(11) the term ‘community college’ means—

12 “(A) a degree-granting public institution of
13 higher education (as defined in section 101 of
14 the Higher Education Act of 1965) at which—

15 “(i) the highest degree awarded is an
16 associate degree; or

17 “(ii) an associate degree is the most
18 frequently awarded degree;

19 “(B) a 2-year Tribal College or University
20 (as defined in section 316(b)(3) of the Higher
21 Education Act of 1965);

22 “(C) a degree-granting Tribal College or
23 University (as defined in section 316(b)(3) of
24 the Higher Education Act of 1965) at which—

1962

1 “(i) the highest degree awarded is an
2 associate degree; or

3 “(ii) an associate degree is the most
4 frequently awarded degree; or

5 “(D) a branch campus of a 4-year public
6 institution of higher education (as defined in
7 section 101 of the Higher Education Act of
8 1965), if, at such branch campus—

9 “(i) the highest degree awarded is an
10 associate degree; or

11 “(ii) an associate degree is the most
12 frequently awarded degree;

13 “(12) the term ‘heritage student’ means a post-
14 secondary student who—

15 “(A) was born in the United States to im-
16 migrant parents or immigrated to the United
17 States at an early age;

18 “(B) is proficient in English, but raised in
19 a family primarily speaking 1 or more lan-
20 guages of the country of origin; and

21 “(C) maintains a close affinity with the
22 family’s culture and language of origin;

23 “(13) the term ‘minority-serving institution’
24 means an institution of higher education that is eli-

1 gible to receive a grant under part A or B of title
2 III or title V.”; and

3 (2) by reordering paragraphs (1) through (10)
4 and the paragraphs added by paragraph (3) of this
5 subsection in alphabetical order, and renumbering
6 such paragraphs as so reordered.

7 (i) **PRIORITY TO MINORITY-SERVING INSTITU-**
8 **TIONS.**—Part C of title VI of the Higher Education Act
9 of 1965 (20 U.S.C. 1132 et seq.), as redesignated by sub-
10 section (g)(2), is further amended—

11 (1) by striking sections 637 and 638; and

12 (2) by adding at the end the following:

13 **“SEC. 637. PRIORITY TO MINORITY-SERVING INSTITUTIONS.**

14 “(a) **PRIORITY.**—In seeking applications and award-
15 ing grants under this title, the Secretary, may give priority
16 to—

17 “(1) minority-serving institutions; or

18 “(2) institutions of higher education that apply
19 for such grants that propose significant and sus-
20 tained collaborative activities with one or more mi-
21 nority-serving institutions.

22 “(b) **TECHNICAL ASSISTANCE.**—The Secretary shall
23 provide technical assistance to minority-serving institu-
24 tions to ensure maximum distribution of grants to eligible

1 minority-serving institutions and among each category of
2 such institutions.”.

3 (j) AUTHORIZATION OF APPROPRIATIONS FOR
4 INTERNATIONAL EDUCATION PROGRAMS.—Part C of title
5 VI of the Higher Education Act of 1965 (20 U.S.C. 1132
6 et seq.), as redesignated by subsection (g)(2), is further
7 amended by adding at the end the following:

8 **“SEC. 638. AUTHORIZATION OF APPROPRIATIONS.**

9 “(a) IN GENERAL.—There are authorized to be ap-
10 propriated to carry out this title \$208,059,000 for fiscal
11 year 2022 and such sums as may be necessary for each
12 of the 5 succeeding fiscal years.”.

13 **SEC. 90302. CONFUCIUS INSTITUTES.**

14 (a) DEFINITIONS.—In this section—

15 (1) the term “Confucius Institute” means a cul-
16 tural institute established as a partnership between
17 a United States institution of higher education and
18 a Chinese institution of higher education to promote
19 and teach Chinese language and culture that is
20 funded, directly or indirectly, by the Government of
21 the People’s Republic of China; and

22 (2) the term “institution of higher education”
23 has the meaning given that term in section 102 of
24 the Higher Education Act of 1965 (20 U.S.C.
25 1002).

1 (b) RESTRICTIONS OF CONFUCIUS INSTITUTES.—Ex-
2 cept as provided in subsection (e), an institution of higher
3 education that maintains a contract or agreement between
4 the institution and a Confucius Institute shall not be eligi-
5 ble to receive Federal funds provided under the Higher
6 Education Act of 1965 (20 U.S.C. 1001 et seq.), except
7 funds provided under title IV of such Act, unless the insti-
8 tution satisfies the requirements and conditions of sub-
9 section (c) or (d).

10 (c) EVALUATION OF CONFUCIUS INSTITUTE CON-
11 TRACTS OR AGREEMENTS.—

12 (1) IN GENERAL.—The Secretary of Education,
13 in consultation with the National Academies of
14 Science, Engineering, and Medicine, shall evaluate
15 any contract or agreement between an institution of
16 higher education and a Confucius Institute, and
17 publish such evaluation on the website of the De-
18 partment of Education, to confirm that any such
19 contract or agreement includes clear provisions
20 that—

21 (A) protect academic freedom at the insti-
22 tution;

23 (B) prohibit the application of any foreign
24 law on any campus of the institution; and

1 (C) grant full managerial authority of the
2 Confucius Institute to the institution, including
3 full control over what is being taught, the ac-
4 tivities carried out, the research grants that are
5 made, and who is employed at the Confucius
6 Institute.

7 (2) FAILURE TO SATISFY CONDITIONS.—If the
8 Secretary of Education, in consultation with the Na-
9 tional Academies of Science, Engineering, and Medi-
10 cine, cannot confirm that the contract or agreement
11 includes the clear provisions in accordance with
12 paragraph (1), the conditions under such paragraph
13 shall not be considered to be satisfied for the pur-
14 poses of subsection (b).

15 (d) PUBLIC INSPECTION REQUIREMENT.—The Sec-
16 retary of Education shall ensure that each institution of
17 higher education that maintains a contract or agreement
18 between the institution and a Confucius Institute makes
19 available for public inspection—

20 (1) a true copy of the contract or agreement be-
21 tween the institution and the Confucius Institute;
22 and

23 (2) a translation in English of the contract or
24 agreement between the institution and the Confucius
25 Institute that is certified by a third party translator.

1 (e) SPECIAL RULE.—Notwithstanding any other pro-
2 vision of this section, this section shall not apply to an
3 institution of higher education if that institution has ful-
4 filled the requirements for a waiver from the Department
5 of Defense as described under section 1062 of the Na-
6 tional Defense Authorization Act for Fiscal Year 2021
7 (Public Law 116–283) and made the documents available
8 for public inspection in accordance with subsection (d).

9 (f) SUNSET.—This section shall cease to be effective
10 on September 30, 2027.

11 **SEC. 90303. SUSTAINING THE TRUMAN FOUNDATION AND**
12 **THE MADISON FOUNDATION.**

13 (a) TRUMAN MEMORIAL SCHOLARSHIP FUND.—

14 (1) IN GENERAL.—Section 10(b) of Public Law
15 93–642 (20 U.S.C. 2001 et seq.) is amended to read
16 as follows:

17 “(b)(1) It shall be the duty of the Secretary of the
18 Treasury to invest in full the amounts appropriated to the
19 fund.

20 “(2) Investments of amounts appropriated to the
21 fund shall be made in public debt securities of the United
22 States with maturities suitable to the fund. For such pur-
23 pose, such obligations may be acquired—

24 “(A) on original issue at the issue price; or

1 “(B) by purchase of outstanding obligations at
2 the market price.

3 “(3) The purposes for which obligations of the United
4 States may be issued under chapter 31 of title 31, United
5 States Code, are hereby extended to authorize the issuance
6 at par of special obligations exclusively to the fund. Such
7 special obligations shall bear interest at a rate equal to
8 the average rate of interest, computed as to the end of
9 the calendar month next preceding the date of such issue,
10 borne by all marketable interest-bearing obligations of the
11 United States then forming a part of the public debt, ex-
12 cept that where such average rate is not a multiple of $\frac{1}{8}$
13 of 1 percent, the rate of interest of such special obligations
14 shall be the multiple of $\frac{1}{8}$ of 1 percent next lower than
15 such average rate. Such special obligations shall be issued
16 only if the Secretary determines that the purchases of
17 other interest-bearing obligations of the United States, or
18 of obligations guaranteed as to both principal and interest
19 by the United States or original issue or at the market
20 price, is not in the public interest.”.

21 (2) AUTHORIZATION OF APPROPRIATIONS.—
22 Section 14 of Public Law 93–642 (20 U.S.C. 2013)
23 is amended by striking “\$30,000,000 to the fund”
24 and inserting “to the Harry S. Truman Memorial
25 Scholarship Trust Fund such sums as may be nec-

1 essary for fiscal year 2022 and each succeeding fis-
2 cal year.”.

3 (b) JAMES MADISON MEMORIAL FELLOWSHIP
4 TRUST FUND.—

5 (1) IN GENERAL.—Subsection (b) of section
6 811 of the James Madison Memorial Fellowship Act
7 (20 U.S.C. 4510) is amended to read as follows:

8 “(b)(1) It shall be the duty of the Secretary of the
9 Treasury to invest in full the amounts appropriated to the
10 fund.

11 “(2) Subject to paragraph (3), investments of
12 amounts appropriated to the fund shall be made in public
13 debt securities of the United States with maturities suit-
14 able to the fund. For such purpose, such obligations may
15 be acquired—

16 “(A) on original issue at the issue price; or

17 “(B) by purchase of outstanding obligations at
18 the market price. The purposes for which obligations
19 of the United States may be issued under chapter 31
20 of title 31, United States Code, are hereby extended
21 to authorize the issuance at par of special obliga-
22 tions exclusively to the fund. Such special obligations
23 shall bear interest at a rate equal to the average
24 rate of interest, computed as to the end of the cal-
25 endar month next preceding the date of such issue,

1 borne by all marketable interest-bearing obligations
2 of the United States then forming a part of the pub-
3 lic debt, except that where such average rate is not
4 a multiple of $\frac{1}{8}$ of 1 percent, the rate of interest of
5 such special obligations shall be the multiple of $\frac{1}{8}$
6 of 1 percent next lower than such average rate. Such
7 special obligations shall be issued only if the Sec-
8 retary determines that the purchases of other inter-
9 est-bearing obligations of the United States, or of
10 obligations guaranteed as to both principal and in-
11 terest by the United States or original issue or at
12 the market price, is not in the public interest.

13 “(3)(A) Notwithstanding paragraph (2), upon receiv-
14 ing a determination of the Board described in subpara-
15 graph (B), the Secretary shall invest up to 40 percent of
16 the fund’s assets in securities other than public debt secu-
17 rities of the United States, provided that the securities
18 are traded in established United States markets.

19 “(B) A determination described in this subparagraph
20 is a determination by the Board that investments as de-
21 scribed in subparagraph (A) are necessary to enable the
22 Foundation to carry out the purposes of this title without
23 any diminution of the number of fellowships provided
24 under section 804.

1 “(C) Nothing in this paragraph shall be construed to
2 limit the authority of the Board to increase the number
3 of fellowships provided under section 804, or to increase
4 the amount of the fellowship authorized by section 809,
5 as the Board considers appropriate and is otherwise con-
6 sistent with the requirements of this title.”.

7 (2) AUTHORIZATION OF APPROPRIATIONS.—
8 Section 816 of the James Madison Memorial Fellow-
9 ship Act (20 U.S.C. 4515) is amended to read as
10 follows:

11 **“SEC. 816. AUTHORIZATION OF APPROPRIATIONS.**

12 “There are authorized to be appropriated to the
13 James Madison Memorial Trust Fund such sums as may
14 be necessary to carry out the provisions of this title for
15 fiscal year 2022 and each succeeding fiscal year.”.

16 **SEC. 90304. DISCLOSURES OF FOREIGN GIFTS AND CON-**
17 **TRACTS AT INSTITUTIONS OF HIGHER EDU-**
18 **CATION.**

19 (a) DISCLOSURES OF FOREIGN GIFTS.—Section 117
20 of the Higher Education Act of 1965 (20 U.S.C. 1011f)
21 is amended to read as follows:

22 **“SEC. 117. DISCLOSURES OF FOREIGN GIFTS.**

23 “(a) DISCLOSURE REPORTS.—

24 “(1) AGGREGATE GIFTS AND CONTRACT DIS-
25 CLOSURES.—An institution shall file a disclosure re-

1972

1 port described in subsection (b) with the Secretary
2 not later than March 31 immediately following any
3 calendar year in which—

4 “(A) the institution receives a gift from, or
5 enters into a contract with, a foreign source,
6 the value of which is \$100,000 or more, consid-
7 ered alone or in combination with all other gifts
8 from, or contracts with, that foreign source
9 within the calendar year; or

10 “(B) the institution receives a gift from, or
11 enters into a contract with, a foreign source,
12 the value of which totals \$250,000 or more,
13 considered alone or in combination with all
14 other gifts from, or contracts with, that foreign
15 source over the previous 3 calendar years.

16 “(2) DISCLOSURE OF CONTRACTS WITH UNDE-
17 TERMINED MONETARY VALUE.—An institution shall
18 file a disclosure report described in subsection (b)
19 with the Secretary not later than March 31 imme-
20 diately following any calendar year in which the in-
21 stitution enters into a contract with a foreign source
22 that has an undetermined monetary value.

23 “(3) FOREIGN SOURCE OWNERSHIP OR CON-
24 TROL DISCLOSURES.—In the case of an institution
25 that is owned or controlled by a foreign source, the

1 institution shall file a disclosure report described in
2 subsection (b) with the Secretary not later than
3 March 31 of every year.

4 “(b) CONTENTS OF REPORT.—Each report to the
5 Secretary required by subsection (a) shall contain the fol-
6 lowing:

7 “(1)(A) In the case of an institution required to
8 file a report under paragraph (1) or (2) of sub-
9 section (a)—

10 “(i) for gifts received from or contracts en-
11 tered into with a foreign government, the aggre-
12 gate amount of such gifts and contracts re-
13 ceived from each foreign government; and

14 “(ii) for gifts received from or contracts
15 entered into with a foreign source other than a
16 foreign government, the aggregate dollar
17 amount of such gifts and contracts attributable
18 to a particular country and the legal or formal
19 name of the foreign source.

20 “(B) For purposes of this paragraph, the coun-
21 try to which a gift is attributable is—

22 “(i) the country of citizenship, or if un-
23 known, the principal residence, for a foreign
24 source who is a natural person; or

1 “(ii) the country of incorporation, or if un-
2 known, the principal place of business, for a
3 foreign source which is a legal entity.

4 “(2) In the case of an institution required to
5 file a report under subsection (a)(3)—

6 “(A) the information described in para-
7 graph (1)(A) (without regard to any gift or con-
8 tract threshold described in subsection (a)(1));

9 “(B) the identity of the foreign source that
10 owns or controls the institution;

11 “(C) the date on which the foreign source
12 assumed ownership or control; and

13 “(D) any changes in program or structure
14 resulting from the change in ownership or con-
15 trol.

16 “(3) An assurance that the institution will
17 maintain a true copy of each gift or contract agree-
18 ment subject to the disclosure requirements under
19 this section, until the latest of—

20 “(A) the date that is 4 years after the date
21 of the agreement;

22 “(B) the date on which the agreement ter-
23 minates; or

1 “(C) the last day of any period that appli-
2 cable State public record law requires a true
3 copy of such agreement to be maintained.

4 “(4) An assurance that the institution will
5 produce true copies of gift and contract agreements
6 subject to the disclosure requirements under this
7 section upon request of the Secretary during a com-
8 pliance audit or other institutional investigation and
9 shall ensure all gifts and contracts from the foreign
10 source are translated into English by a third party
11 unaffiliated with the foreign source or institution for
12 this purpose.

13 “(c) ADDITIONAL DISCLOSURES FOR RESTRICTED
14 AND CONDITIONAL GIFTS AND CONTRACTS.—Notwith-
15 standing the provisions of subsection (b), whenever any
16 institution receives a restricted or conditional gift or con-
17 tract from a foreign source, the institution shall disclose
18 the following to the Department translated into English
19 by a third party unaffiliated with the foreign source or
20 institution:

21 “(1) For such gifts received from or contracts
22 entered into with a foreign source other than a for-
23 eign government, the amount, the date, and a de-
24 scription of such conditions or restrictions. The re-
25 port shall also disclose the country of citizenship, or

1 if unknown, the principal residence for a foreign
2 source which is a natural person, and the country of
3 incorporation, or if unknown, the principal place of
4 business for a foreign source which is a legal entity.

5 “(2) For gifts received from or contracts en-
6 tered into with a foreign government, the amount,
7 the date, a description of such conditions or restric-
8 tions, and the name of the foreign government.

9 “(d) RELATION TO OTHER REPORTING REQUIRE-
10 MENTS.—

11 “(1) STATE REQUIREMENTS.—If an institution
12 that is required to file a disclosure report under sub-
13 section (a) is within a State which has enacted re-
14 quirements for public disclosure of gifts from or con-
15 tracts with a foreign source that includes all infor-
16 mation required under this section for the same or
17 an equivalent time period, a copy of the disclosure
18 report filed with the State may be filed with the Sec-
19 retary in lieu of the report required under such sub-
20 section. The State in which the institution is located
21 shall provide to the Secretary such assurances as the
22 Secretary may require to establish that the institu-
23 tion has met the requirements for public disclosure
24 under State law if the State report is filed.

1 “(2) USE OF OTHER FEDERAL REPORTS.—If an
2 institution receives a gift from, or enters into a con-
3 tract with, a foreign source, where any other depart-
4 ment, agency, or bureau of the executive branch re-
5 quires a report containing all the information re-
6 quired under this section for the same or an equiva-
7 lent time period, a copy of the report may be filed
8 with the Secretary in lieu of a report required under
9 subsection (a).

10 “(e) PUBLIC DISCLOSURE AND MODIFICATION OF
11 REPORTS.—

12 “(1) IN GENERAL.—Not later than 30 days
13 after receiving a disclosure report under this section,
14 the Secretary shall make such report electronically
15 available to the public for downloading on a search-
16 able database under which institutions can be indi-
17 vidually identified and compared.

18 “(2) MODIFICATIONS.—The Secretary shall in-
19 corporate a process permitting institutions to revise
20 and update previously filed disclosure reports under
21 this section to ensure accuracy, compliance, and abil-
22 ity to cure.

23 “(f) SANCTIONS FOR NONCOMPLIANCE.—

24 “(1) IN GENERAL.—As a sanction for non-
25 compliance with the requirements under this section,

1 the Secretary may impose a fine on an institution
2 that in any year knowingly or willfully violates this
3 section, that is—

4 “(A) in the case of a failure to disclose a
5 gift or contract with a foreign source as re-
6 quired under this section or to comply with the
7 requirements of subsection (b)(4), in an amount
8 that is not less than \$250 but not more than
9 50 percent of the amount of the gift or contract
10 with the foreign source; or

11 “(B) in the case of any violation of the re-
12 quirements of subsection (a)(3), in an amount
13 that is not more than 25 percent of the total
14 amount of funding received by the institution
15 under this Act.

16 “(2) REPEATED FAILURES.—

17 “(A) KNOWING AND WILLFUL FAIL-
18 URES.—In addition to a fine for a violation in
19 any year in accordance with paragraph (1) and
20 subject to subsection (e)(2), the Secretary shall
21 impose a fine on an institution that knowingly
22 and willfully fails in 3 consecutive years to com-
23 ply with the requirements of this section, that
24 is—

1 “(i) in the case of a failure to disclose
2 a gift or contract with a foreign source as
3 required under this section or to comply
4 with the requirements of subsection (b)(4),
5 in an amount that is not less than
6 \$100,000 but not more than the amount of
7 the gift or contract with the foreign source;
8 or

9 “(ii) in the case of any violation of the
10 requirements of subsection (a)(3), in an
11 amount that is not more than 25 percent
12 of the total amount of funding received by
13 the institution under this Act.

14 “(B) ADMINISTRATIVE FAILURES.—The
15 Secretary shall impose a fine on an institution
16 that fails to comply with the requirements of
17 this section in 3 consecutive years, in an
18 amount that is not less than \$250 but not more
19 than 50 percent of the amount of the gift or
20 contract with the foreign source.

21 “(C) COMPLIANCE PLAN REQUIREMENT.—
22 An institution that fails to file a disclosure re-
23 port for a receipt of a gift from or contract with
24 a foreign source in 2 consecutive years, shall be

1 required to submit a compliance plan to Sec-
2 retary.

3 “(g) COMPLIANCE OFFICER.—Any institution that is
4 required to report a gift or contract under this section
5 shall designate and maintain a compliance officer who—

6 “(1) shall be a current employee or legally au-
7 thorized agent of such institution; and

8 “(2) shall be responsible, on behalf of the insti-
9 tution, for compliance with the foreign gift reporting
10 requirement under this section and section 124, if
11 applicable.

12 “(h) SINGLE POINT OF CONTACT.—The Secretary
13 shall maintain a single point of contact to—

14 “(1) receive and respond to inquiries and re-
15 quests for technical assistance from institutions of
16 higher education regarding compliance with the re-
17 quirements of this section; and

18 “(2) coordinate the disclosure of information on
19 the searchable database, and process for modifica-
20 tions of disclosures and ability to cure, as described
21 in subsection (e).

22 “(i) TREATMENT OF CERTAIN PAYMENTS AND
23 GIFTS.—

1 “(1) EXCLUSIONS.—The following shall not be
2 considered a gift from a foreign source under this
3 section:

4 “(A) Any payment of one or more elements
5 of a student’s cost of attendance (as defined in
6 section 472) to an institution by, or scholarship
7 from, a foreign source who is a natural person,
8 acting in their individual capacity and not as an
9 agent for, at the request or direction of, or on
10 behalf of, any person or entity (except the stu-
11 dent), made on behalf of no more than 15 stu-
12 dents that is not made under contract with
13 such foreign source, except for the agreement
14 between the institution and such student cov-
15 ering one or more elements of such student’s
16 cost of attendance.

17 “(B) Assignment or license of registered
18 industrial and intellectual property rights, such
19 as patents, utility models, trademarks, or copy-
20 rights, or technical assistance, that are not
21 identified as being associated with a national
22 security risk or concern.

23 “(C) Any payment from a foreign source
24 that is solely for the purpose of conducting one
25 or more clinical trials.

1 “(2) INCLUSIONS.—Any gift to, or contract
2 with, an entity or organization, such as a research
3 foundation, that operates substantially for the ben-
4 efit or under the auspices of an institution shall be
5 considered a gift to or with respectively, such insti-
6 tution.

7 “(j) DEFINITIONS.—In this section—

8 “(1) the term ‘clinical trial’ means a research
9 study in which one or more human subjects are pro-
10 spectively assigned to one or more interventions to
11 evaluate the effects of those interventions on health-
12 related biomedical or behavioral outcomes;

13 “(2) the term ‘contract’—

14 “(A) means any—

15 “(i) agreement for the acquisition by
16 purchase, lease, or barter of property or
17 services by the foreign source, for the di-
18 rect benefit or use of either of the parties,
19 except as provided in subparagraph (B); or

20 “(ii) affiliation, agreement, or similar
21 transaction with a foreign source that is
22 based on the use or exchange of an institu-
23 tion’s name, likeness, time, services, or re-
24 sources, except as provided in subpara-
25 graph (B); and

1 “(B) does not include any agreement made
2 by an institution located in the United States
3 for the acquisition, by purchase, lease, or bar-
4 ter, of property or services from a foreign
5 source;

6 “(3) the term ‘foreign source’ means—

7 “(A) a foreign government, including an
8 agency of a foreign government;

9 “(B) a legal entity, governmental or other-
10 wise, created under the laws of a foreign state
11 or states;

12 “(C) an individual who is not a citizen or
13 a national of the United States or a trust terri-
14 tory or protectorate thereof; and

15 “(D) an agent, including a subsidiary or
16 affiliate of a foreign legal entity, acting on be-
17 half of a foreign source;

18 “(4) the term ‘gift’ means any gift of money,
19 property, resources, staff, or services;

20 “(5) the term ‘institution’ means an institution
21 of higher education, as defined in section 102, or, if
22 a multicampus institution, any single campus of
23 such institution, in any State; and

24 “(6) the term ‘restricted or conditional gift or
25 contract’ means any endowment, gift, grant, con-

1 tract, award, present, or property of any kind which
2 includes provisions regarding—

3 “(A) the employment, assignment, or ter-
4 mination of faculty;

5 “(B) the establishment of departments,
6 centers, institutes, instructional programs, re-
7 search or lecture programs, or new faculty posi-
8 tions;

9 “(C) the selection or admission of stu-
10 dents; or

11 “(D) the award of grants, loans, scholar-
12 ships, fellowships, or other forms of financial
13 aid restricted to students of a specified country,
14 religion, sex, ethnic origin, or political opin-
15 ion.”.

16 (b) POLICY REGARDING CONFLICTS OF INTEREST
17 FROM FOREIGN GIFTS AND CONTRACTS.—Part B of title
18 I of the Higher Education Act of 1965 (20 U.S.C. 1011
19 et seq.) is amended by adding at the end the following:

20 **“SEC. 124. INSTITUTIONAL POLICY REGARDING FOREIGN**
21 **GIFTS AND CONTRACTS TO FACULTY AND**
22 **STAFF.**

23 “(a) REQUIREMENT TO MAINTAIN POLICY AND
24 DATABASE.—Each institution of higher education de-
25 scribed in subsection (b) shall—

1 “(1) maintain a policy requiring faculty, profes-
2 sional staff, and other staff engaged in research and
3 development (as determined by the institution) em-
4 ployed at such institution to disclose to such institu-
5 tion any gifts received from, or contracts entered
6 into with, a foreign source the value of which is
7 \$50,000 or more;

8 “(2) maintain a searchable database of infor-
9 mation disclosed in paragraph (1) for the previous
10 five years, except an institution shall not be required
11 to include in the database gifts or contracts received
12 or entered into before the date on which regulations
13 are issued with respect to carrying out this section;
14 and

15 “(3) maintain a plan to effectively identify and
16 manage potential information gathering by foreign
17 sources through espionage targeting faculty, profes-
18 sional staff, and other staff engaged in research and
19 development (as determined by the institution) that
20 may arise from gifts received from, or contracts en-
21 tered into with, a foreign source, including through
22 the use of periodic communications and enforcement
23 of the policy described in paragraph (1).

1 “(b) INSTITUTIONS.—An institution of higher edu-
2 cation shall be subject to the requirements of this section
3 if such institution—

4 “(1) is an institution of higher education as de-
5 fined under section 102; and

6 “(2) had more than \$50,000,000 in Federal
7 science and engineering funding in any of the pre-
8 vious five years.

9 “(c) SANCTIONS FOR NONCOMPLIANCE.—

10 “(1) IN GENERAL.—As a sanction for non-
11 compliance with the requirements under this section,
12 the Secretary may impose a fine on an institution
13 that in any year knowingly or willfully violates this
14 section, in an amount that is not less than \$250 but
15 not more than \$1,000.

16 “(2) SECOND FAILURE.—In addition to a fine
17 for a violation in accordance with paragraph (1), the
18 Secretary shall impose a fine on an institution that
19 knowingly, willfully, and repeatedly fails to comply
20 with the requirements of this section in a second
21 consecutive year in an amount that is not less than
22 \$1,000 but not more than \$25,000.

23 “(3) THIRD AND ADDITIONAL FAILURES.—In
24 addition to a fine for a violation in accordance with
25 paragraph (1) or (2), the Secretary shall impose a

1 fine on an institution that knowingly, willfully, and
2 repeatedly fails to comply with the requirements of
3 this section in a third consecutive year, or any con-
4 secutive year thereafter, in an amount that is not
5 less than \$25,000 but not more than \$50,000.

6 “(4) ADMINISTRATIVE FAILURES.—The Sec-
7 retary shall impose a fine on an institution that fails
8 in 3 consecutive years to comply with the require-
9 ments of this section in an amount that is not less
10 than \$250 but not more than \$25,000.

11 “(5) COMPLIANCE PLAN REQUIREMENT.—An
12 institution that fails to comply with the require-
13 ments under this section for 2 consecutive years
14 shall be required to submit a compliance plan to the
15 Secretary.

16 “(d) DEFINITIONS.—In this section—

17 “(1) the term ‘contract’ means any—

18 “(A) agreement for the acquisition by pur-
19 chase, lease, or barter of property or services by
20 the foreign source, for the direct benefit or use
21 of either of the parties; or

22 “(B) affiliation, agreement, or similar
23 transaction with a foreign source based on the
24 use or exchange of the name, likeness, time
25 services, or resources of faculty, professional

1 staff, and other staff engaged in research and
2 development (as determined by the institution);

3 “(2) the terms ‘foreign source’ and ‘gift’ have
4 the meaning given the terms in section 117; and

5 “(3) the term ‘professional staff’ means profes-
6 sional employees, as defined in section 3 of the Fair
7 Labor Standards Act of 1938 (29 U.S.C. 203).

8 “(e) MODIFICATIONS AND SINGLE POINT OF CON-
9 TACT.—The Secretary shall—

10 “(1) maintain a single point of contact to—

11 “(A) receive and respond to inquiries and
12 requests for technical assistance from institu-
13 tions of higher education regarding compliance
14 with the requirements of this section; and

15 “(B) coordinate—

16 “(i) the disclosure of information on
17 the searchable databases of institutions;
18 and

19 “(ii) the process for modifications of
20 disclosures and ability to cure as described
21 in paragraph (2); and

22 “(2) incorporate a process permitting institu-
23 tions to revise and update the database required
24 under this section to ensure accuracy, compliance,
25 and ability to cure.”.

1 (c) REGULATIONS.—

2 (1) IN GENERAL.—Not later than 1 year after
3 the date of enactment of this Act, the Secretary of
4 Education shall begin the negotiated rulemaking
5 process under section 492 of the Higher Education
6 Act of 1965 (20 U.S.C. 1098a) to carry out the
7 amendments made by subsections (a) and (b).

8 (2) ISSUES.—Regulations issued pursuant to
9 paragraph (1) to carry out the amendment made by
10 subsection (a) shall, at a minimum, address the fol-
11 lowing issues:

12 (A) Instructions on reporting structured
13 gifts and contracts.

14 (B) The inclusion in institutional reports
15 of gifts received from, and contracts entered
16 into with, foreign sources by entities and orga-
17 nizations, such as research foundations, that
18 operate substantially for the benefit or under
19 the auspices of the institution.

20 (C) Procedures to protect confidential or
21 proprietary information included in gifts and
22 contracts.

23 (D) The alignment of such regulations
24 with the reporting and disclosure of foreign

1 gifts or contracts required by other Federal
2 agencies.

3 (E) The treatment of foreign gifts or con-
4 tracts involving research or technologies identi-
5 fied as being associated with a national security
6 risk or concern.

7 (3) EFFECTIVE DATE.—The amendments made
8 by subsections (a) and (b) shall take effect on the
9 date on which the regulations issued under para-
10 graph (1) take effect.

11 **TITLE IV—IMPACT ACT**

12 **SEC. 90401. TELECOMMUNICATIONS WORKFORCE TRAIN-** 13 **ING GRANT PROGRAM.**

14 (a) SHORT TITLE.—This section may be cited as the
15 “Improving Minority Participation And Careers in Tele-
16 communications Act” or the “IMPACT Act”

17 (b) GRANT PROGRAM.—The Secretary of Labor (act-
18 ing in coordination with the Director of the Office of Mi-
19 nority Broadband Initiatives established under section
20 902(b)(1) of division N of the Consolidated Appropriations
21 Act, 2021 (Public Law 116–260) and the Secretary of
22 Education) shall establish a program (in this section re-
23 ferred to as the “Telecommunications Workforce Training
24 Grant Program” or the “Grant Program”) under which
25 the Secretary shall meet the following requirements:

1 (1) DEADLINE.—Not later than 2 years after
2 the date on which amounts are appropriated under
3 subsection (h), the Secretary—

4 (A) may reserve not more than 2 percent
5 of such amounts to administer the Grant Pro-
6 gram; and

7 (B) after determining the percentage of
8 such amounts to reserve under subparagraph
9 (A), shall use the remainder of such amounts to
10 award grants (in this section referred to as
11 “covered grants”) to eligible entities to develop
12 and implement telecommunications training
13 programs (which may include training programs
14 providing training and education relating to the
15 construction of telecommunications infrastruc-
16 ture).

17 (2) MINIMUM GRANT AMOUNTS TO CERTAIN
18 ENTITIES.—In awarding covered grants from the
19 amounts described in paragraph (1)(B), the Sec-
20 retary shall use not less than—

21 (A) 30 percent of such amounts to award
22 covered grants to historically Black colleges or
23 universities; and

1 (B) 30 percent of such amounts to award
2 covered grants to Tribal Colleges or Univer-
3 sities.

4 (3) COORDINATION.—The Secretary shall en-
5 sure that grant amounts awarded under paragraph
6 (1)(B) are coordinated with, and do not duplicate
7 the specific use of, grant amounts provided under
8 section 902 of division N of the Consolidated Appro-
9 priations Act, 2021 (Public Law 116–260).

10 (4) SINGLE GRANT CYCLE.—After awarding
11 covered grants under paragraph (1), the authority of
12 the Secretary to award covered grants shall expire.

13 (5) GRANT PERIOD.—The Secretary shall estab-
14 lish the grant period of a covered grant, which may
15 not be less than 5 years.

16 (6) CONSTRUCTION PROGRAMS.—In awarding
17 covered grants to eligible entities that plan to use
18 the grants for developing and implementing training
19 programs providing training and education relating
20 to construction, the Secretary shall prioritize such
21 eligible entities that—

22 (A) partner with—

23 (i) a labor or labor-management orga-
24 nization with experience—

1993

1 (I) working in the telecommuni-
2 cations industry; or

3 (II) in registered apprenticeship
4 programs or pre-apprenticeship pro-
5 grams; or

6 (ii) a community college that has a
7 written agreement with 1 or more reg-
8 istered apprenticeship programs; and

9 (B) ensure the such programs lead to em-
10 ployment with wages at rates not less than the
11 rates prevailing on projects of a similar char-
12 acter in the locality as determined by the Sec-
13 retary of Labor in accordance with subchapter
14 IV of chapter 31 of title 40, United States
15 Code.

16 (c) APPLICATION.—

17 (1) IN GENERAL.—An eligible entity desiring a
18 covered grant shall submit an application to the Sec-
19 retary at such time, in such manner, and containing
20 such information as the Secretary may require.

21 (2) CONTENTS.—An eligible entity shall include
22 in an application under paragraph (1) the following:

23 (A) A description of how the eligible entity
24 plans to use the covered grant, including the
25 type of telecommunications training program

1 the eligible entity plans to develop and imple-
2 ment.

3 (B) A commitment from the telecommuni-
4 cations industry partner of the eligible entity to
5 collaborate with the eligible entity to develop
6 and implement a telecommunications training
7 program, including the curricula for such pro-
8 gram, and the internships, registered appren-
9 ticeships, or pre-apprenticeships aligned to such
10 program.

11 (C) A plan for recruitment of students to
12 participate in the telecommunications training
13 program.

14 (D) A plan to ensure that female student
15 participation (or participation among other pop-
16 ulations who are underrepresented within the
17 telecommunications industry) in the tele-
18 communications training program of the eligible
19 entity is at a higher rate than the employment
20 rate of women (or other such populations) with-
21 in the telecommunications industry.

22 (E) A description of in-demand occupa-
23 tions within the telecommunications industry to
24 be secured through the telecommunications
25 training program, including—

1995

1 (i) jobs in the communities served by
2 the eligible entity; and

3 (ii) expected wage and benefit levels of
4 such jobs.

5 (F) A description of how the eligible entity
6 plans to integrate the expertise of labor or
7 labor-management organizations with experi-
8 ence working in the telecommunications indus-
9 try into the development and implementation of
10 the telecommunications training program.

11 (d) AUTHORIZED USES OF FUNDS.—An eligible enti-
12 ty may use a covered grant, with respect to the tele-
13 communications training program of the eligible entity de-
14 veloped and implemented with such covered grant, to—

15 (1) hire faculty members to teach courses in the
16 training program;

17 (2) train faculty members to prepare students
18 for employment in jobs related to the deployment of
19 next-generation wired and wireless communications
20 networks, including 5G networks, hybrid fiber-co-
21 axial networks, and fiber infrastructure, particularly
22 in—

23 (A) broadband and wireless network engi-
24 neering;

1 (B) network deployment, operation, and
2 maintenance;

3 (C) telecommunications industry field ac-
4 tivities; and

5 (D) cloud networks, data centers, and cy-
6 bersecurity;

7 (3) design and develop, or customize existing,
8 curricula, courses, or programs of study, in coordi-
9 nation with telecommunications industry partners,
10 that reflect the skills and competencies needed in the
11 telecommunications industry, and that lead to recog-
12 nized postsecondary credentials;

13 (4) pay for costs associated with instruction
14 under the telecommunications training program, in-
15 cluding the costs of equipment, telecommunications
16 training towers, laboratory space, classroom space,
17 and telecommunications industry field activities;

18 (5) fund scholarships, student internships, reg-
19 istered apprenticeships, and pre-apprenticeship op-
20 portunities aligned to the telecommunications train-
21 ing program;

22 (6) recruit students for the telecommunications
23 training program;

24 (7) support the enrollment in the telecommuni-
25 cations training program of individuals working in

1 the telecommunications industry in order to advance
2 professionally within the industry;

3 (8) support the development of career pathways
4 in the telecommunications industry; and

5 (9) provide supportive services (such as trans-
6 portation, child care, dependent care, housing, and
7 needs-related payments) necessary for participants
8 to complete the training program.

9 (e) REPORT REQUIREMENTS.—

10 (1) REPORTING BY ELIGIBLE ENTITIES.—Dur-
11 ing the grant period of a covered grant received by
12 an eligible entity, the eligible entity shall submit to
13 the Secretary a semiannual report that, with respect
14 to the preceding 6-month period—

15 (A) describes how the eligible entity used
16 the covered grant amounts;

17 (B) describes the progress the eligible enti-
18 ty made in developing and implementing the
19 telecommunications training program of the eli-
20 gible entity;

21 (C) describes the number of faculty and
22 students participating in the telecommuni-
23 cations training program of the eligible entity;

1998

1 (D) describes the partnership with the tele-
2 communications industry partner of the eligible
3 entity, including—

4 (i) the commitments and in-kind con-
5 tributions made by the telecommunications
6 industry partner; and

7 (ii) the role of the telecommunications
8 industry partner in—

9 (I) curriculum development;

10 (II) ensuring that the program
11 leads to or is aligned with a degree
12 program or recognized postsecondary
13 credential; and

14 (III) the internships, registered
15 apprenticeships, and pre-apprentice-
16 ships offered under the program; and

17 (E) includes data on internship, registered
18 apprenticeship, and pre-apprenticeships, and
19 employment opportunities and placements and
20 completions.

21 (2) ANNUAL REPORT TO CONGRESS.—Each
22 year, until all covered grants have expired, the Sec-
23 retary shall submit to Congress a report that, with
24 respect to the preceding year—

1 (A) identifies each eligible entity that re-
2 ceived a covered grant and the amount of the
3 covered grant;

4 (B) describes the progress each such eligi-
5 ble entity has made in developing and imple-
6 menting a telecommunications training pro-
7 gram;

8 (C) summarizes the job placement status,
9 or registered apprenticeship or pre-apprentice-
10 ship opportunities of students who have partici-
11 pated in the training program of the eligible en-
12 tity; and

13 (D) includes the findings of any audits
14 conducted by the Inspector General of the De-
15 partment of Labor under subsection (f).

16 (f) OVERSIGHT.—The Inspector General of the De-
17 partment of Labor shall audit the Grant Program in order
18 to—

19 (1) ensure that eligible entities use covered
20 grant amounts in accordance with the requirements
21 of this section; and

22 (2) prevent waste, fraud, and abuse in the oper-
23 ation of the Grant Program.

24 (g) DEFINITIONS.—In this section:

2000

1 (1) COMMUNITY COLLEGE.—The term “commu-
2 nity college” means—

3 (A) a degree-granting public institution of
4 higher education (as defined in section 101 of
5 the Higher Education Act of 1965 (20 U.S.C.
6 1001)) at which—

7 (i) the highest degree awarded is an
8 associate degree; or

9 (ii) an associate degree is the most
10 frequently awarded degree;

11 (B) a 2-year Tribal College or University;

12 (C) a degree-granting Tribal College or
13 University at which—

14 (i) the highest degree awarded is an
15 associate degree; or

16 (ii) an associate degree is the most
17 frequently awarded degree;

18 (D) a branch campus of a 4-year public in-
19 stitution of higher education (as defined in sec-
20 tion 101 of the Higher Education Act of 1965
21 (20 U.S.C. 1001)), if, at such branch campus—

22 (i) the highest degree awarded is an
23 associate degree; or

24 (ii) an associate degree is the most
25 frequently awarded degree; or

2001

1 (E) a community college, a postsecondary
2 vocational institution (as defined in section
3 102(c) of the Higher Education Act of 1965
4 (20 U.S.C. 1002(c)).

5 (2) ELIGIBLE ENTITY.—

6 (A) IN GENERAL.—The term “eligible enti-
7 ty” means a historically Black college or univer-
8 sity, Tribal College or University, or minority-
9 serving institution, or a consortium of such en-
10 tities, that forms a partnership with 1 or more
11 telecommunications industry partners to carry
12 out a telecommunications training program.

13 (B) TELECOMMUNICATIONS INDUSTRY
14 PARTNER.—The term “telecommunications in-
15 dustry partner” means 1 or more of the fol-
16 lowing:

17 (i) A member of the telecommuni-
18 cations industry, such as a company or in-
19 dustry association.

20 (ii) A labor or labor-management or-
21 ganization with experience working in the
22 telecommunications industry or a similar
23 industry.

24 (iii) A registered apprenticeship pro-
25 gram.

2002

1 (iv) A nonprofit organization dedi-
2 cated to helping individuals gain employ-
3 ment in the telecommunications industry.

4 (v) A community college with experi-
5 ence in providing workforce development
6 activities for individuals seeking employ-
7 ment in the telecommunications industry
8 or a similar industry.

9 (vi) A Federal agency laboratory spe-
10 cializing in telecommunications technology.

11 (vii) A State board or local board.

12 (viii) An industry or sector partner-
13 ship relating to the telecommunications in-
14 dustry.

15 (3) HISTORICALLY BLACK COLLEGE OR UNI-
16 VERSITY.—The term “historically Black college or
17 university” has the meaning given the term “part B
18 institution” in section 322 of the Higher Education
19 Act of 1965 (20 U.S.C. 1061).

20 (4) IN-DEMAND OCCUPATION.—The term “in-
21 demand occupation” has the meaning given the term
22 in section 3(23)(A)(ii) of the Workforce Innovation
23 and Opportunity Act (29 U.S.C. 3102(23)(A)(ii)).

24 (5) MINORITY-SERVING INSTITUTION.—The
25 term “minority-serving institution” means an insti-

1 tution described in section 371(a) of the Higher
2 Education Act of 1965 (20 U.S.C. 1067q(a)).

3 (6) PRE-APPRENTICESHIP.—The term “pre-ap-
4 prenticeship” means a program that articulates to a
5 registered apprenticeship program.

6 (7) REGISTERED APPRENTICESHIP.—The term
7 “registered apprenticeship” means an apprenticeship
8 registered with the Office of Apprenticeship of the
9 Employment and Training Administration of the
10 Department of Labor or a State apprenticeship
11 agency recognized by the Office of the Apprentice-
12 ship pursuant to the Act of August 16, 1937 (com-
13 monly known as the “National Apprenticeship Act”;
14 50 Stat. 664, chapter 663; 29 U.S.C. 50 et seq.).

15 (8) SECRETARY.—The term “Secretary” means
16 the Secretary of Labor.

17 (9) TELECOMMUNICATIONS INDUSTRY FIELD
18 ACTIVITIES.—The term “telecommunications indus-
19 try field activities” means activities at active cable,
20 broadband, or other telecommunications network
21 worksites, such as towers, construction sites, and
22 network management hubs.

23 (10) TELECOMMUNICATIONS TRAINING PRO-
24 GRAM.—The term “telecommunications training pro-

1 gram” means a program developed by an eligible en-
2 tity (that—

3 (A) is designed to prepare students to par-
4 ticipate in the telecommunications workforce;

5 (B) includes a curriculum that reflects the
6 skills and competencies for in-demand occupa-
7 tions within the telecommunications industry;
8 and

9 (C) includes registered apprenticeship, pre-
10 apprenticeship, or internship opportunities
11 aligned to a degree program or resulting in a
12 recognized postsecondary credential.

13 (11) TRIBAL COLLEGE OR UNIVERSITY.—The
14 term “Tribal College or University” has the meaning
15 given the term in section 316(b)(3) of the Higher
16 Education Act of 1965 (20 U.S.C. 1059c(b)(3)).

17 (12) WIOA DEFINITIONS.—The terms “career
18 pathway”, “industry or sector partnership”, “local
19 board”, “recognized postsecondary credential”,
20 “State board”, and “workforce development activi-
21 ties” have the meanings given in section 3 of the
22 Workforce Innovation and Opportunity Act.

23 (h) AUTHORIZATION OF APPROPRIATIONS.—There
24 are authorized to be appropriated \$100,000,000 for fiscal

2005

1 years 2023 through 2028, to remain available until ex-
2 pended.

3 **DIVISION K—MATTERS**
4 **RELATING TO TRADE**

Sec. 100001. Short title.

TITLE I—TRADE ADJUSTMENT ASSISTANCE

Sec. 101001. Short title.

Sec. 101002. Application of provisions relating to trade adjustment assistance.

Subtitle A—Trade Adjustment Assistance for Workers

Sec. 101101. Filing petitions.

Sec. 101102. Group eligibility requirements.

Sec. 101103. Application of determinations of eligibility to workers employed by
successors-in-interest.

Sec. 101104. Provision of benefit information to workers.

Sec. 101105. Qualifying requirements for workers.

Sec. 101106. Modification to trade readjustment allowances.

Sec. 101107. Automatic extension of trade readjustment allowances.

Sec. 101108. Employment and case management services.

Sec. 101109. Training.

Sec. 101110. Job search, relocation, and child care allowances.

Sec. 101111. Agreements with States.

Sec. 101112. Reemployment trade adjustment assistance program.

Sec. 101113. Extension of trade adjustment assistance to public agency work-
ers.

Sec. 101114. Definitions.

Sec. 101115. Subpoena power.

Subtitle B—Trade Adjustment Assistance for Firms

Sec. 101201. Petitions and determinations.

Sec. 101202. Approval of adjustment proposals.

Sec. 101203. Technical assistance.

Sec. 101204. Definitions.

Sec. 101205. Plan for sustained outreach to potentially-eligible firms.

Subtitle C—Trade Adjustment Assistance for Communities and Community
Colleges

Sec. 101301. Trade adjustment assistance for communities.

Sec. 101302. Trade adjustment assistance for community colleges and career
training.

Subtitle D—Trade Adjustment Assistance for Farmers

Sec. 101401. Definitions.

Sec. 101402. Group eligibility requirements.

Sec. 101403. Benefit information to agricultural commodity producers.

2006

Sec. 101404. Qualifying requirements and benefits for agricultural commodity producers.

Subtitle E—Authorizations of Appropriations and Other Matters

Sec. 101501. Extension of trade adjustment assistance program.

Sec. 101502. Applicability of trade adjustment assistance provisions.

Subtitle F.—Health Care Tax Credit

Sec. 101601. Permanent credit for health insurance costs.

TITLE II—IMPROVEMENTS TO TRADE REMEDIES LAWS

Subtitle A—Successive Investigations

Sec. 102001. Establishment of special rules for determination of material injury in the case of successive antidumping and countervailing duty investigations.

Sec. 102002. Initiation of successive antidumping and countervailing duty investigations.

Sec. 102003. Issuance of determinations with respect to successive antidumping and countervailing duty investigations.

Subtitle B—Responding to Market Distortions

Sec. 102101. Addressing cross-border subsidies in countervailing duty investigations.

Sec. 102102. Modification of definition of ordinary course of trade to specify that an insufficient quantity of foreign like products constitutes a situation outside the ordinary course of trade.

Sec. 102103. Modification of adjustments to export price and constructed export price with respect to duty drawback.

Sec. 102104. Modification of determination of constructed value to include distortions of costs that occur in foreign countries.

Sec. 102105. Special rules for calculation of cost of production and constructed value to address distorted costs.

Subtitle C—Preventing Circumvention

Sec. 102201. Modification of requirements in circumvention inquiries.

Sec. 102202. Requirement of provision by importer of certification by importer or other party.

Sec. 102203. Clarification of authority for Department of Commerce regarding determinations of class or kind of merchandise.

Sec. 102204. Asset requirements applicable to nonresident importers.

Subtitle D—Countering Currency Undervaluation

Sec. 102301. Investigation or review of currency undervaluation under countervailing duty law.

Sec. 102302. Determination of benefit with respect to currency undervaluation.

Subtitle E—Preventing Duty Evasion

Sec. 102401. Limitation on protest against decisions of U.S. Customs and Border Protection of claims of evasion of antidumping and countervailing duty orders.

2007

- Sec. 102402. Procedures for investigating claims of evasion of safeguard actions.
- Sec. 102403. Application of provisions relating to certain proprietary information.

Subtitle F—General Provisions

- Sec. 102501. Application to Canada and Mexico.
- Sec. 102502. Repeal of the Softwood Lumber Act of 2008.
- Sec. 102503. Repeal of enforcement actions relating to cheese subject to an in-quota rate of duty.
- Sec. 102504. Effective date.

TITLE III—IMPORT SECURITY AND FAIRNESS ACT

- Sec. 103001. Short title.
- Sec. 103002. Additional exceptions to exemptions for de minimis treatment under the Tariff Act of 1930.
- Sec. 103003. Additional administrative provisions relating to de minimis treatment under the Tariff Act of 1930.
- Sec. 103004. Effective date.

TITLE IV—NATIONAL CRITICAL CAPABILITIES REVIEWS

- Sec. 104001. National critical capabilities reviews.

TITLE V—MODIFICATION AND EXTENSION OF GENERALIZED SYSTEM OF PREFERENCES

- Sec. 105001. Modification and extension of Generalized System of Preferences.
- Sec. 105002. United States International Trade Commission study.

TITLE VI—REAUTHORIZATION OF THE AMERICAN MANUFACTURING COMPETITIVENESS ACT OF 2016 AND OTHER MATTERS

- Sec. 106001. Reauthorization of american manufacturing competitiveness act of 2016.
- Sec. 106002. Limitation on duty suspensions or reductions for finished goods.
- Sec. 106003. Sense of Congress on United States commitment to the World Trade Organization.
- Sec. 106004. Authority of U.S. Customs and Border Protection to consolidate, modify, or reorganize Customs revenue functions.

TITLE VII—TEMPORARY DUTY SUSPENSIONS AND REDUCTIONS

- Sec. 107001. Reference.

Subtitle A—New Duty Suspensions and Reductions

- Sec. 107101. Shelled pine nuts.
- Sec. 107102. Licorice extract.
- Sec. 107103. Refined Carrageenan.
- Sec. 107104. Irish dairy chocolate crumb.
- Sec. 107105. Pepperoncini, preserved in vinegar.
- Sec. 107106. Coconut water in PET bottles.
- Sec. 107107. 9,11-Octadecadienoic acid.
- Sec. 107108. Liquid galacto-oligosaccharides.
- Sec. 107109. Beverage containing coconut water.

2008

- Sec. 107110. Animal feed additive containing guanidinoacetic acid.
Sec. 107111. Tungsten concentrate.
Sec. 107112. Piperylene.
Sec. 107113. Normal paraffin M (alkanes C10–C14).
Sec. 107114. Neodymium (Nd) metal.
Sec. 107115. Praseodymium (Pr) metal.
Sec. 107116. Heavy rare earth metals, dysprosium (Dy) metal and terbium (Tb) metal.
Sec. 107117. Scandium crystal.
Sec. 107118. Hexafluorotitanic acid.
Sec. 107119. Silica gel cat litter with tray.
Sec. 107120. Dioxosilane spherical particles (mean particle size 0.046–0.054 mm).
Sec. 107121. Silica gel cat litter.
Sec. 107122. Sulfuryl dichloride.
Sec. 107123. FS-10D acicular electroconductive tin oxide.
Sec. 107124. Certain potassium fluoride.
Sec. 107125. Other potassium fluoride.
Sec. 107126. LiPF₆.
Sec. 107127. LiPO₂F₂.
Sec. 107128. Ammonium fluoroborate.
Sec. 107129. Sodium tetrafluoroborate.
Sec. 107130. Ferric chloride.
Sec. 107131. Ferrous chloride.
Sec. 107132. Cupric chloride dihydrate.
Sec. 107133. Copper chloride anhydrous.
Sec. 107134. Manganese chloride anhydrous.
Sec. 107135. Manganese chloride tetrahydrate.
Sec. 107136. Reducing agent.
Sec. 107137. Manganese carbonate.
Sec. 107138. Potassium tetraborate.
Sec. 107139. Potassium pentaborate.
Sec. 107140. Ammonium thiocyanate.
Sec. 107141. Modified amine complex of boron trifluoride.
Sec. 107142. Trichlorosilane.
Sec. 107143. 1,3-Dichloropropene.
Sec. 107144. Hexafluoroisobutylene (HFIB).
Sec. 107145. 1,1,1,2,2,3,3,4,4,5,5,6,6-Tridecafluoro-8-iodooctane.
Sec. 107146. Ethyl benzyl chloride.
Sec. 107147. Perfluoroalkyl sulfonate.
Sec. 107148. D-Mannitol.
Sec. 107149. 3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctan-1-ol.
Sec. 107150. Phenyl isopropanol.
Sec. 107151. Hydroxytyrosol.
Sec. 107152. 1,6-Dihydroxynaphthalene.
Sec. 107153. Antioxidant for plastics and rubber.
Sec. 107154. Toluhydroquinone (THQ).
Sec. 107155. 1,1,1-Tris(4-hydroxyphenyl)ethane.
Sec. 107156. mPEG6-mesylate.
Sec. 107157. Monoethylene glycol dimethyl ether.
Sec. 107158. Diethylene glycol dimethyl ether.
Sec. 107159. Diethylene glycol dibutyl ether.
Sec. 107160. Tetraethylene glycol dimethyl ether.
Sec. 107161. Glycol diether.
Sec. 107162. Diglycidyl resorcinol ether.

2009

- Sec. 107163. Allyl glycidyl ether.
- Sec. 107164. Vinylcyclohexane monoxide.
- Sec. 107165. Technical grade of butyl glycidyl ether.
- Sec. 107166. Aliphatic glycidyl ether.
- Sec. 107167. Diglycidyl ether of 1,4-butanediol.
- Sec. 107168. Technical grade of the glycidyl ether of cyclohexane dimethanol.
- Sec. 107169. Glycidyl ester of neodecanoic acid.
- Sec. 107170. Cumaldehyde.
- Sec. 107171. Cyprinal.
- Sec. 107172. Sodium o-formylbenzenesulfonate.
- Sec. 107173. Acetylacetone.
- Sec. 107174. Acetyl propionyl.
- Sec. 107175. Alpha ionone.
- Sec. 107176. 2,3,4,5 Tetramethylcyclopent-2-enone.
- Sec. 107177. Menthone.
- Sec. 107178. L-Carvone.
- Sec. 107179. Benzoin.
- Sec. 107180. Methyl cyclopentenolone.
- Sec. 107181. 2,4-Dihydroxy-1,5-dibenzoylbenzene.
- Sec. 107182. Difluorobenzophenone (DFBP).
- Sec. 107183. PTMI.
- Sec. 107184. Metrafenone.
- Sec. 107185. Hexachloroacetone.
- Sec. 107186. Fire suppression agent.
- Sec. 107187. D(+)-10-Camphor sulfonic acid.
- Sec. 107188. Benzyl acetate.
- Sec. 107189. Propylene glycol diacetate.
- Sec. 107190. Isopropenyl acetate.
- Sec. 107191. Diacetin.
- Sec. 107192. Cocoamine.
- Sec. 107193. Caprylic acid 98%.
- Sec. 107194. Fine zinc myristate powder.
- Sec. 107195. Fine magnesium myristate powder.
- Sec. 107196. Dipentaerythrityl hexahydroxystearate/hexastearate/hexarosinate.
- Sec. 107197. Polyglyceryl-2 triisostearate.
- Sec. 107198. Neopentyl glycol diethylhexanoate.
- Sec. 107199. Isononyl isononate.
- Sec. 107200. Acetyl chloride.
- Sec. 107201. Potassium sorbate.
- Sec. 107202. Vinyl chloroformate.
- Sec. 107203. Permethrin.
- Sec. 107204. Sodium benzoate.
- Sec. 107205. Benzoic acid, flake.
- Sec. 107206. Diethylene glycol dibenzoate.
- Sec. 107207. Methyl benzoate.
- Sec. 107208. M-Nitrobenzoic acid sodium salt.
- Sec. 107209. p-Nitrobenzoic acid.
- Sec. 107210. 4-tert Butylbenzoic acid.
- Sec. 107211. Sodium adipate.
- Sec. 107212. Dimethyl sebacate (DMS).
- Sec. 107213. Dodecanedioic acid.
- Sec. 107214. Polyhydroxystearic acid of low acid value.
- Sec. 107215. Undecanedioic acid.
- Sec. 107216. Hexadecanedioic acid.
- Sec. 107217. Tetradecanedioic acid.

2010

- Sec. 107218. Pentadecanedioic acid.
Sec. 107219. Tridecanedioic acid.
Sec. 107220. Methyl 1-(methoxycarbonyl)cyclopropanecarboxylate (CPDM).
Sec. 107221. Calcium HHPA.
Sec. 107222. Diethyl phthalate.
Sec. 107223. Ammonium lactate.
Sec. 107224. Triethyl 2-hydroxypropane-1,2,3-tricarboxylate.
Sec. 107225. Diisostearyl malate.
Sec. 107226. Salicylic acid.
Sec. 107227. Hexyl salicylate.
Sec. 107228. Alpha-ketoglutaric acid.
Sec. 107229. MCPB herbicide.
Sec. 107230. 2,4-D Butoxyethylester.
Sec. 107231. 2-(2,4-Dichlorophenoxy)acetic acid.
Sec. 107232. Diglycolic acid 98%.
Sec. 107233. Tri-iso-butyl phosphate (TiBP).
Sec. 107234. Trimethylphosphite.
Sec. 107235. Organic phosphite.
Sec. 107236. Diethyl sulfate.
Sec. 107237. Diethyl carbonate.
Sec. 107238. Ethyl methyl carbonate.
Sec. 107239. Tetradecoxy-carbonyloxy tetradecyl carbonate.
Sec. 107240. Dicycetyl peroxydicarbonate.
Sec. 107241. Tetraethyl silicate.
Sec. 107242. tert-Octylamine.
Sec. 107243. Octadecylamine.
Sec. 107244. N'-(3-Aminopropyl)-N'-dodecylpropane-1,3-diamine.
Sec. 107245. 1,10-Diaminodecane.
Sec. 107246. 1,5-Pentanediamine.
Sec. 107247. Dicyclohexylamine.
Sec. 107248. Amantadine hydrochloride 99%.
Sec. 107249. N,N-Dimethylaniline.
Sec. 107250. Paranitroaniline (PNA).
Sec. 107251. Dicloran.
Sec. 107252. N,N-Dimethyl-p-toluidine.
Sec. 107253. Pendimethalin technical.
Sec. 107254. Benzyldimethylamine.
Sec. 107255. Diphenyl diphenylene diamine.
Sec. 107256. Curative for epoxy resin systems.
Sec. 107257. TFMB.
Sec. 107258. S-N-Alkyl-anilin.
Sec. 107259. p-Cresidine.
Sec. 107260. Iminodiacetic acid.
Sec. 107261. 11 Aminoundecanoic acid.
Sec. 107262. L-Ornithine L-aspartate.
Sec. 107263. Iron sodium DTPA.
Sec. 107264. Iron glycinate complex.
Sec. 107265. Copper glycinate complex.
Sec. 107266. Zinc glycinate complex.
Sec. 107267. Manganese glycinate complex.
Sec. 107268. Iron sodium EDDHA.
Sec. 107269. DMF-DMA.
Sec. 107270. Mixtures of DMSO and tetrabutyl ammonium fluoride.
Sec. 107271. Betaine.
Sec. 107272. Prolonium chloride in aqueous solution.

2011

- Sec. 107273. N,N-Dimethylacetamide.
Sec. 107274. N,N-Dimethylformamide.
Sec. 107275. DAAM.
Sec. 107276. L-Alanyl L-glutamine.
Sec. 107277. Granular acrylamido-tert-butyl sulfonic acid (ATBS).
Sec. 107278. Glycyl-L-glutamine hydrate.
Sec. 107279. Noviflumuron.
Sec. 107280. Propanil technical.
Sec. 107281. Hexaflumuron.
Sec. 107282. Stabilizer for plastics and rubber.
Sec. 107283. 2-Amino-5-chloro-N,3-dimethylbenzamide.
Sec. 107284. Glycyl-L-tyrosine dihydrate.
Sec. 107285. L-Alanyl-L-tyrosine.
Sec. 107286. Enzalutamide ITS-2.
Sec. 107287. 4-Bromo-2-fluoro-N-methylbenzamide.
Sec. 107288. N-Boc-1-aminocyclobutanecarboxylic acid.
Sec. 107289. N'-(1,3-dimethylbutylidene)-3-hydroxy-2-naphthohydrazide (BMH) (oil treated).
Sec. 107290. Guanidine sulfamate.
Sec. 107291. Liquid, blocked cycloaliphatic diamine used as crosslinker for polyisocyanate resins.
Sec. 107292. 3,4-Difluorobenzonitrile.
Sec. 107293. 2-Amino-5-cyano-N,3-dimethylbenzamide.
Sec. 107294. TFMPA.
Sec. 107295. Dimethyl 2,2'-Azobisisobutyrate.
Sec. 107296. Antioxidant/metal deactivator.
Sec. 107297. Benzyl carbazate.
Sec. 107298. Benzene-1,3-dicarbohydrazide.
Sec. 107299. Input for resins, coatings, and other products.
Sec. 107300. Aldicarb.
Sec. 107301. Flubendiamide.
Sec. 107302. Benzobicyclon.
Sec. 107303. Diphenylsulfone (DPS).
Sec. 107304. Phenolic antioxidant.
Sec. 107305. Phenolic antioxidant and heat stabilizer.
Sec. 107306. Phenylchlorothioformate (PTCFM).
Sec. 107307. Methylene bis thiocyanate.
Sec. 107308. Oxamyl.
Sec. 107309. L-Cystine.
Sec. 107310. L-Cysteine.
Sec. 107311. N,N'-Bis-L-alanyl-L-cystine.
Sec. 107312. Lubricant additive.
Sec. 107313. Sodium benzenesulfinate.
Sec. 107314. Thio-ether based co-stabilizer for plastics.
Sec. 107315. L-Cysteine hydrate hydrochloride.
Sec. 107316. Dimercaprol.
Sec. 107317. Monoammonium salt of glyphosate.
Sec. 107318. THPC.
Sec. 107319. Flame retardant for textiles.
Sec. 107320. Glyphosate.
Sec. 107321. Ethephon.
Sec. 107322. Benzene phosphinic acid.
Sec. 107323. HEDP.
Sec. 107324. Trimethylchlorosilane.
Sec. 107325. Chloro-(chloromethyl)-dimethylsilane.

2012

- Sec. 107326. Silicone for electronics cleaners.
- Sec. 107327. Silicon carrier fluid for active lotions, creams.
- Sec. 107328. Vinyltrimethoxysilane.
- Sec. 107329. n-Octyltriethoxysilane.
- Sec. 107330. Dimethylbis(s-butylamino)silane.
- Sec. 107331. Aqueous solution of potassium methyl silicate.
- Sec. 107332. Octyltrimethoxysilane.
- Sec. 107333. Octyltriethoxysilane.
- Sec. 107334. Methyltris(sec-butylamino)silane.
- Sec. 107335. Methyltris(methylethylketoximino)silane (MOS).
- Sec. 107336. Heptamethyltrisiloxane.
- Sec. 107337. Tetramethyldisiloxane.
- Sec. 107338. Dimethylechlorosilane.
- Sec. 107339. Dichloromethylsilane.
- Sec. 107340. Tris(TFP)-methylethyl-trisiloxane DR.
- Sec. 107341. Tetravinyltetramethylethyltetrasiloxane.
- Sec. 107342. Divinyltetramethylsiloxane.
- Sec. 107343. Input for plant protection agent.
- Sec. 107344. Strawberry furanone.
- Sec. 107345. Emamectin benzoate.
- Sec. 107346. Gibberellic acid.
- Sec. 107347. Rose oxide.
- Sec. 107348. Vinylene carbonate.
- Sec. 107349. Kasugamycin technical.
- Sec. 107350. 2H-Cyclododeca[b]pyran.
- Sec. 107351. Bixafen.
- Sec. 107352. Fluxapyroxad.
- Sec. 107353. 3,5 Dimethylpyrazole.
- Sec. 107354. Pyraclonil.
- Sec. 107355. Imidazolidinyl urea.
- Sec. 107356. Allantoin.
- Sec. 107357. Emulsifiable concentrate of Imazalil fungicide.
- Sec. 107358. Technical cyazofamid fungicide.
- Sec. 107359. Imazalil sulfate.
- Sec. 107360. 1,2-Dimethylimidazole.
- Sec. 107361. 2-Methylimidazole flakes.
- Sec. 107362. Diazolidinyl urea.
- Sec. 107363. 1-(2-Aminoethyl)imidazolidin-2-one (AEEU).
- Sec. 107364. Zinc pyrithione.
- Sec. 107365. Technical Pyriofenone fungicide.
- Sec. 107366. Picoxystrobin.
- Sec. 107367. Triclopyr BEE.
- Sec. 107368. Imazapyr.
- Sec. 107369. Tetraniliprole.
- Sec. 107370. Cyantraniliprole.
- Sec. 107371. Chlorantraniliprole.
- Sec. 107372. Chlorpyrifos.
- Sec. 107373. Technical Cyelaniliprole insecticide.
- Sec. 107374. Regorafenib.
- Sec. 107375. N-Butyl-TAD.
- Sec. 107376. Hindered amine light stabilizer and phenolic antioxidant.
- Sec. 107377. 4-Hydroxy-TEMPO.
- Sec. 107378. 2,2,6,6-tetramethylpiperidin-4-ol (TMP).
- Sec. 107379. 5-Bromo-2-(3-chloropyridin-2-yl)pyrazole-3-carboxylic acid.
- Sec. 107380. 2-Chloro-5-(trifluoromethyl)pyridine.

- Sec. 107381. Picarbutrox.
- Sec. 107382. 5-amino-3-(trifluoromethyl) picolinonitrile (T3630).
- Sec. 107383. Dextromethorphan hydrobromide.
- Sec. 107384. Ipflufenquin.
- Sec. 107385. THQ.
- Sec. 107386. Pyrithiobac sodium.
- Sec. 107387. Larotrectinib sulfate.
- Sec. 107388. Ibrutinib.
- Sec. 107389. Orthosulfamuron.
- Sec. 107390. 5-Bromopyrimidine.
- Sec. 107391. Butylthion.
- Sec. 107392. P-1062.
- Sec. 107393. Carfentrazone Technical.
- Sec. 107394. UV absorber 928.
- Sec. 107395. UV absorber for industrial coatings.
- Sec. 107396. Uniconazole-P.
- Sec. 107397. VeMMAE.
- Sec. 107398. UVA 360.
- Sec. 107399. Trofinetide.
- Sec. 107400. Flurazole.
- Sec. 107401. Oxathiapiprolin.
- Sec. 107402. Certain antimicrobial.
- Sec. 107403. Rubber accelerator.
- Sec. 107404. 2-Amino benzothiazole.
- Sec. 107405. Technical Isofetamid fungicide.
- Sec. 107406. Clomazone Technical.
- Sec. 107407. NEM salt.
- Sec. 107408. AMTC wet cake.
- Sec. 107409. Photoinitiator 369.
- Sec. 107410. Isatoic anhydride.
- Sec. 107411. Oclacitinib maleate.
- Sec. 107412. Thiencarbazone-methyl.
- Sec. 107413. Penoxsulam technical herbicide.
- Sec. 107414. Ethyl 2-sulfamoylbenzoate.
- Sec. 107415. Sulfosulfuron.
- Sec. 107416. Pyrimisulfan.
- Sec. 107417. Purified steviol glycoside, rebaudioside A.
- Sec. 107418. Glucosylated steviol glycosides.
- Sec. 107419. Hydroxypropyl gamma cyclodextrin.
- Sec. 107420. Hydroxypropylated beta cyclodextrin.
- Sec. 107421. Methyl beta cyclodextrin.
- Sec. 107422. 2'-Fucosyllactose.
- Sec. 107423. Ascorbyl glucoside.
- Sec. 107424. Dimethylamine borane (DMAB).
- Sec. 107425. Elderberry extract concentrate.
- Sec. 107426. Disperse Yellow 241.
- Sec. 107427. Disperse Orange.
- Sec. 107428. Mixtures of Disperse Yellow FD11843 and acetic acid.
- Sec. 107429. Disperse Blue 54.
- Sec. 107430. Mixtures of several disperse dyes.
- Sec. 107431. Mixtures of 4 disperse blue dyes.
- Sec. 107432. Mixtures of 4 dyes.
- Sec. 107433. Disperse Red 86.
- Sec. 107434. Disperse Violet 1.
- Sec. 107435. Disperse Blue 60.

2014

- Sec. 107436. Mixtures of Disperse Orange 29, Disperse Red 167:1, and Disperse Blue 56.
- Sec. 107437. Disperse Yellow 54.
- Sec. 107438. Acid Violet 48.
- Sec. 107439. Acid Blue 280.
- Sec. 107440. Acid Brown 282.
- Sec. 107441. Acid Red 131.
- Sec. 107442. Acid Red 249.
- Sec. 107443. Acid Yellow 236.
- Sec. 107444. Acid Red 407.
- Sec. 107445. Acid Yellow 220.
- Sec. 107446. Acid Yellow 232.
- Sec. 107447. Acid Yellow 235.
- Sec. 107448. Acid Yellow 151.
- Sec. 107449. Acid Violet 43.
- Sec. 107450. Acid Black 52.
- Sec. 107451. Acid Black 2.
- Sec. 107452. Acid Green 25.
- Sec. 107453. Basic Brown 23.
- Sec. 107454. Basic Violet 11:1 rhodamine dye.
- Sec. 107455. Basic Yellow 37.
- Sec. 107456. Basic Violet 3.
- Sec. 107457. Direct Orange 118.
- Sec. 107458. Direct Blue 86.
- Sec. 107459. Direct Blue 199.
- Sec. 107460. Direct Black 168.
- Sec. 107461. Direct Red 227.
- Sec. 107462. Direct Yellow 107.
- Sec. 107463. Direct Green 26.
- Sec. 107464. Direct Yellow 11.
- Sec. 107465. Direct Orange 15.
- Sec. 107466. Direct Brown 44.
- Sec. 107467. Direct Red 81.
- Sec. 107468. Direct Yellow 142.
- Sec. 107469. Direct Red 80.
- Sec. 107470. Direct Red 16.
- Sec. 107471. Direct Red 254.
- Sec. 107472. Colorant.
- Sec. 107473. Direct Yellow 34.
- Sec. 107474. Vat Orange 2 dye powder.
- Sec. 107475. Vat Violet 13 dye.
- Sec. 107476. Vat Brown 3 dye.
- Sec. 107477. Vat Red 10 dye powder.
- Sec. 107478. Vat Brown 57 dye.
- Sec. 107479. Vat Red 31 dye powder.
- Sec. 107480. Dye mixtures of Vat Brown 3 and Vat Black 27.
- Sec. 107481. Vat Red 13.
- Sec. 107482. Vat Yellow 2 dye powder.
- Sec. 107483. Vat Yellow 33 dye.
- Sec. 107484. Vat Green 1 dye.
- Sec. 107485. Vat Green 3.
- Sec. 107486. Vat Blue 6 dye.
- Sec. 107487. Vat Blue 20 dye.
- Sec. 107488. Vat Violet 1.
- Sec. 107489. Vat Brown 1 dye.

2015

- Sec. 107490. Vat Black 16 dye.
- Sec. 107491. Vat Black 25.
- Sec. 107492. Vat Black 27.
- Sec. 107493. Reactive Yellow 145.
- Sec. 107494. Reactive Red 195.
- Sec. 107495. Reactive Blue 49.
- Sec. 107496. Reactive Blue 72.
- Sec. 107497. Reactive Yellow 95 powder.
- Sec. 107498. Reactive Red 245.
- Sec. 107499. Reactive Brown 11.
- Sec. 107500. Mixtures of Reactive Black 5 (Na) (FKP), Reactive Scarlet F01-0439, and Reactive Orange 131.
- Sec. 107501. Reactive Yellow F98-0159.
- Sec. 107502. Dye mixtures of Reactive Orange 131 and Reactive Scarlet F07-0522.
- Sec. 107503. Reactive Black 31.
- Sec. 107504. Reactive Red 120.
- Sec. 107505. Reactive Blue 5.
- Sec. 107506. Reactive Orange 13.
- Sec. 107507. Reactive Orange 12.
- Sec. 107508. Pigment Red 177.
- Sec. 107509. Pigment Yellow 110.
- Sec. 107510. Pigment Yellow 147.
- Sec. 107511. Pigment Orange 64.
- Sec. 107512. Pigment Blue 29.
- Sec. 107513. Pigment Violet 15.
- Sec. 107514. Pigment Blue 14.
- Sec. 107515. Solvent Blue 97.
- Sec. 107516. Solvent Green 5.
- Sec. 107517. Solvent Yellow 98.
- Sec. 107518. Solvent Green 7.
- Sec. 107519. Solvent Red 195.
- Sec. 107520. Solvent Orange 115.
- Sec. 107521. Specialty dyes.
- Sec. 107522. Solvent Green 3.
- Sec. 107523. Solvent Blue 36.
- Sec. 107524. Mixtures of Solvent Green 3.
- Sec. 107525. Solvent Red 52.
- Sec. 107526. Solvent Red 149.
- Sec. 107527. Solvent Red 207.
- Sec. 107528. Solvent Violet 14.
- Sec. 107529. Solvent Yellow 179.
- Sec. 107530. Solvent Yellow 131.
- Sec. 107531. Hogen Blue XB-20.
- Sec. 107532. Solvent Yellow 104.
- Sec. 107533. Combination of Fluorescent Brighteners 367 and 371.
- Sec. 107534. Fluorescent Brightener CBS-X.
- Sec. 107535. Optical Brightener SWN.
- Sec. 107536. C.I. Fluorescent Brightener 199:1.
- Sec. 107537. Fluorescent Brightener 368.
- Sec. 107538. 1,4-Bis(2-cyanostyryl)benzene.
- Sec. 107539. Certain manufacturing inputs.
- Sec. 107540. Cerium sulfide pigments.
- Sec. 107541. Matte pearlescent pigments.
- Sec. 107542. Angle-dependent interference pigments.

2016

- Sec. 107543. Inorganic Lumilux.
- Sec. 107544. Ribbon/Matrix Resin.
- Sec. 107545. Bonding agent 2005.
- Sec. 107546. Fluoropolymer resin.
- Sec. 107547. Zirconium 12 paint drier.
- Sec. 107548. Zirconium 24 paint drier.
- Sec. 107549. Drier accelerators.
- Sec. 107550. Lemon oil.
- Sec. 107551. Sulfonic acids, C14–17-sec-alkane, sodium salt.
- Sec. 107552. Potassium ethyl octylphosphonate.
- Sec. 107553. Intermediate in the production of industrial lubricants.
- Sec. 107554. Polyether dispersant.
- Sec. 107555. D-Glucopyranose.
- Sec. 107556. 2-Dodecoxy-6-(hydroxymethyl)oxane-3,4,5-triol.
- Sec. 107557. Mixtures of certain C12–14-alkyl ethers.
- Sec. 107558. Manufacturing chemical.
- Sec. 107559. Nonionic surfactant.
- Sec. 107560. Chemical used in textile manufacturing.
- Sec. 107561. Ethoxylated tristyrylphenol phosphate potassium salt.
- Sec. 107562. Sodium polycarboxylate, aqueous solution.
- Sec. 107563. Aqueous emulsion of a mixture of amine soaps and miscellaneous other additives.
- Sec. 107564. Aqueous dispersion of a mixture of fatty amine and amide soaps and miscellaneous other additives.
- Sec. 107565. Aqueous dispersion of a mixture of fatty amine and amide soaps and miscellaneous other additives.
- Sec. 107566. Photographic gelatin.
- Sec. 107567. Ice fountains (class 1.4G).
- Sec. 107568. Magic candles containing magnesium powder.
- Sec. 107569. Party snappers (Class 1.4G).
- Sec. 107570. Fenpyroximate 5SC.
- Sec. 107571. Pyrifluquinazon 20SC.
- Sec. 107572. Imidacloprid and Muscalure formulations.
- Sec. 107573. Formulations of acephate and bifenthrin.
- Sec. 107574. Fipronil.
- Sec. 107575. Aluminum phosphide.
- Sec. 107576. Magnaphos formulations.
- Sec. 107577. Formulated oxamyl.
- Sec. 107578. Formulated fungicides.
- Sec. 107579. Certain fungicides.
- Sec. 107580. Prothioconazole, Fluopyram, and Trifloxystrobin fungicides.
- Sec. 107581. Prothioconazole, Metalaxyl, and Tebuconazole fungicides.
- Sec. 107582. Mancozeb and Chlorothalonil formulations.
- Sec. 107583. Mixtures of Picarbutrox and application adjuvants.
- Sec. 107584. Mixtures of Tetraconazole and application adjuvants.
- Sec. 107585. Mancozeb and Azoxystrobin formulations.
- Sec. 107586. Mixtures of Cymoxanil and fumed dioxosilane.
- Sec. 107587. Microthiol formulations.
- Sec. 107588. Formulations of thiencarbazone-methyl, Iodosulfuron-methyl-sodium, and dicamba.
- Sec. 107589. Thiencarbazone-methyl, Isoxadifenethyl, and Tembotrione herbicides.
- Sec. 107590. Herbicides used on grasses.
- Sec. 107591. Thiencarbazone-methyl, Isoxaflutole, and Cyprosulfamide herbicides.

2017

- Sec. 107592. Thiencarbazone-methyl and Iodosulfuron-methylsodium herbicides.
- Sec. 107593. Thiencarbazone-methyl and Mefenpyr-diethyl herbicides.
- Sec. 107594. Thifensulfuron-methyl and Tribenuron-methyl formulations.
- Sec. 107595. Tribenuron-methyl formulations.
- Sec. 107596. Chlorsulfuron and metsulfuron-methyl formulations.
- Sec. 107597. Thifensulfuron-methyl and Fluroxypyr formulations.
- Sec. 107598. Acifluofen formulations.
- Sec. 107599. S-Metolachlor and Mestriane herbicides.
- Sec. 107600. Metribuzin formulations.
- Sec. 107601. Pendimethaline and Metribuzine formulations.
- Sec. 107602. Formulations of S-Metolachlor and Metribuzin.
- Sec. 107603. Thifensulfuron-methyl and Tribenuron-methyl formulations.
- Sec. 107604. Metsulfuron-methyl formulations.
- Sec. 107605. Chlorimuron-ethyl formulations.
- Sec. 107606. Mixtures of Bromoxynil octanoate and Bromoxynil heptanoate.
- Sec. 107607. Sulfometuron-methyl and Metsulfuron-methyl formulations.
- Sec. 107608. Chlorimuron-ethyl and Tribenuron-methyl formulations.
- Sec. 107609. Formulations containing Tiafenacil.
- Sec. 107610. Diuron 80.
- Sec. 107611. Flazasulfuron herbicides.
- Sec. 107612. Thifensulfuron-methyl formulations.
- Sec. 107613. Herbicide for farm and ranch use.
- Sec. 107614. Propanil formulations.
- Sec. 107615. Thifensulfuron formulations.
- Sec. 107616. Tolpyralate and Nicosulfuron herbicides.
- Sec. 107617. Mixtures of magnesium salts and application adjuvants.
- Sec. 107618. Nisin formulations.
- Sec. 107619. Certain fixatives.
- Sec. 107620. Fuel oil additives: cold flow improvers containing poly(ethylene-co-ethenyl acetate).
- Sec. 107621. Fuel oil additives: cold flow improvers containing fumarate vinyl acetate co-polymer.
- Sec. 107622. Crude oil additives: cold flow improvers containing fumarate vinyl acetate copolymer.
- Sec. 107623. Pour point depressants.
- Sec. 107624. Fuel oil additives: cold flow improvers containing poly (ethylene-co-ethenyl acetate and vinyl 2-ethyl hexanoate).
- Sec. 107625. Poly(isobutylene) hydroformylation products.
- Sec. 107626. Input for rubber products.
- Sec. 107627. Mixtures of oligomers as general antioxidants for rubber tires.
- Sec. 107628. Benzene, 2,4-diisocyanato-1,3,5-tris(1-methylethyl)-, homopolymer.
- Sec. 107629. Aromatic amine antioxidants.
- Sec. 107630. Antioxidant blends.
- Sec. 107631. Antioxidant blends to protect polymers.
- Sec. 107632. Synthetic hydrotalcite coated with fatty acid and magnesium stearate.
- Sec. 107633. Silica scorch retarders and polymerization inhibitors.
- Sec. 107634. Synthetic hydrotalcite.
- Sec. 107635. Light stabilizers for construction products.
- Sec. 107636. Light stabilizer for plastics.
- Sec. 107637. Preparations of bis(2,4-dichlorobenzoyl) peroxide 50 percent paste.
- Sec. 107638. Distilled tall oils.

2018

- Sec. 107639. Pyridine, alkyl derivatives.
- Sec. 107640. Polyisocyanate crosslinking agents.
- Sec. 107641. Bonding agent mixtures.
- Sec. 107642. Liquid, chemically modified amine complex of boron trifluoride.
- Sec. 107643. Phthalocyanine derivative.
- Sec. 107644. Mixtures of Cocamidopropyl betaine, glycol distearate, Laureth-4, and water.
- Sec. 107645. Mixtures of tall oil mono-, di-, and triglycerides.
- Sec. 107646. Tallow-bis(2-hydroxyethyl) amines.
- Sec. 107647. Additive mixtures for metalworking fluids.
- Sec. 107648. Naphthenic acids.
- Sec. 107649. Hydroxytyrosol powders.
- Sec. 107650. Secondary alcohol ethoxylates.
- Sec. 107651. Ethylene glycol dimerate.
- Sec. 107652. Two-part liquid silicone kits.
- Sec. 107653. Hydrophobic precipitated silica.
- Sec. 107654. Silane, trimethoxyethyl-, hydrolysis products.
- Sec. 107655. 1,1,1-Trimethyl-N-(trimethylsilyl)silanamine hydrolysis products.
- Sec. 107656. Waterborne epoxy curing agents.
- Sec. 107657. Preparations based on 1-phenylcosane-1,3-dione.
- Sec. 107658. Mixtures of 2-Mercaptopropionic acid, methyl ester, O-ethyl dithiocarbonate.
- Sec. 107659. Epoxy curing agents.
- Sec. 107660. Aliphatic amine curing agents.
- Sec. 107661. Non-halogenated flame retardants.
- Sec. 107662. Ligaphob N 90.
- Sec. 107663. Organomodified siloxane.
- Sec. 107664. Methyl palmitate-stearate, hydrogenated.
- Sec. 107665. Olfine E1010.
- Sec. 107666. Certain non-halogenated flame retardants.
- Sec. 107667. Flame retardants.
- Sec. 107668. Preparations based on acetyl hexapeptide-8 and pentapeptide-18.
- Sec. 107669. Lithium silicon oxide.
- Sec. 107670. Branched olefin from propylene polymerization.
- Sec. 107671. Polypropylene pellets.
- Sec. 107672. Propylene-ethylene copolymer.
- Sec. 107673. Ethylene-propylene copolymers.
- Sec. 107674. Benzene alkylated with polypropylene.
- Sec. 107675. Chlorinated polyolefin.
- Sec. 107676. Adsorbent resin.
- Sec. 107677. Vinyl chloride-hydroxypropyl acrylate copolymer.
- Sec. 107678. Vinyl chloride ethylene copolymer with hydrophic properties.
- Sec. 107679. Fluids with boiling points above 170 °C.
- Sec. 107680. Formulations of functionalized perfluoropolyether.
- Sec. 107681. Perfluoropolyether-urethane acrylate.
- Sec. 107682. PVDF homopolymer/PVDF/CTFE copolymer mixtures.
- Sec. 107683. Chemically modified PVDF.
- Sec. 107684. Fluoropolymer, fluoroethylene-alkyl vinyl ether alternative copolymers.
- Sec. 107685. Copolymer of vinyl acetate and higher vinyl esters.
- Sec. 107686. Food-grade vinyl acetate copolymer.
- Sec. 107687. Vinyl chloride ethylene with enhanced properties.
- Sec. 107688. Vinyl acetate ethylene copolymer with enhanced properties.
- Sec. 107689. Food-grade polyvinyl acetate homopolymers.
- Sec. 107690. Acrylic acid/vinylsulphonate random copolymers.

2019

- Sec. 107691. Poly(methyl methacrylate) microspheres.
- Sec. 107692. Methyl methacrylate crosspolymer microspheres.
- Sec. 107693. Styrene acrylate copolymer with enhanced properties.
- Sec. 107694. Copolymer for dental use.
- Sec. 107695. Vinyl phosphonic acid, acrylic acid copolymer, 20 percent solution in water.
- Sec. 107696. Polyacrylate 33.
- Sec. 107697. AA/AMPS copolymer.
- Sec. 107698. Flocculant dry polyacrylamides.
- Sec. 107699. Sorbitol, propylene oxide, ethylene oxide polymer.
- Sec. 107700. Trimethoxysilylpropylcarbamate-terminated polyether.
- Sec. 107701. Dimethoxy(methyl)silylmethylcarbamate-terminated polyether.
- Sec. 107702. Curing agent is used in two- or three-parts epoxy systems.
- Sec. 107703. Polyethylene glycol 450.
- Sec. 107704. Medicinal intermediate for investigational use.
- Sec. 107705. Aqueous solutions of carboxylic acid-copolymer-salt in water.
- Sec. 107706. Aqueous solutions of a modified polymer bearing hydrophilic and hydrophobic groups.
- Sec. 107707. Dimethylamine/epichlorohydrin/ethylenediamine copolymer.
- Sec. 107708. Linear hydroxyl-terminated aliphatic polycarb diol.
- Sec. 107709. Short hollow PET fibers.
- Sec. 107710. Polytetrahydrofuran.
- Sec. 107711. Crystalline polyesters.
- Sec. 107712. Liquid crystal polymers.
- Sec. 107713. Branched polyesters.
- Sec. 107714. High molecular weight co-polyester.
- Sec. 107715. High molecular weight co-polyester.
- Sec. 107716. Polyester-polyamide dispersants.
- Sec. 107717. Nylon-12 micro-spheres.
- Sec. 107718. Short nylon-66 fibers.
- Sec. 107719. Short nylon 6 fibers, colored.
- Sec. 107720. Short triangular nylon 6 fibers.
- Sec. 107721. Short star-shaped nylon 6 fibers.
- Sec. 107722. Short heart-shaped nylon 6 fibers.
- Sec. 107723. PA510 polymer compounds.
- Sec. 107724. MXD6 polymer compounds.
- Sec. 107725. PA10T polymer compounds.
- Sec. 107726. PA10T/10I polymer compounds.
- Sec. 107727. Polyurethane aqueous resins.
- Sec. 107728. Aqueous resin.
- Sec. 107729. Aliphatic polyisocyanate.
- Sec. 107730. IPDI and HDI based aliphatic polyisocyanate.
- Sec. 107731. HDI/Trimethylol hexyllactone crosspolymer micro-spheres.
- Sec. 107732. HDI/PPG/Polycaprolactone crosspolymer micro-spheres.
- Sec. 107733. Aromatic isocyanate prepolymer.
- Sec. 107734. Blocked polyisocyanate containing solvent.
- Sec. 107735. Polyisocyanate adduct for powder coatings.
- Sec. 107736. Blocked polyisocyanate for use in can and coil applications.
- Sec. 107737. Polydimethylsiloxane.
- Sec. 107738. Silicone resins.
- Sec. 107739. Methoxyfunctional methyl-phenyl polysiloxane.
- Sec. 107740. Hydrogenpolysiloxane.
- Sec. 107741. Methyl silicone resins.
- Sec. 107742. Epoxy functional polydimethylsiloxane.
- Sec. 107743. Polymethylhydrogensiloxane.

2020

- Sec. 107744. Vinyl terminated siloxanes.
- Sec. 107745. Silicone hybrid resin (solvent free).
- Sec. 107746. Hydrogenated polycyclopentadiene resin.
- Sec. 107747. Water dispersable HDI based polyisocyanate.
- Sec. 107748. Cyanate ester resins for high-end electronic, aerospace, and industrial applications.
- Sec. 107749. Polyethyleneimine, component used in manufacturing medical devices.
- Sec. 107750. Polyhexanide.
- Sec. 107751. Ethylene-norbornene copolymer.
- Sec. 107752. Cellulose powder.
- Sec. 107753. Polymaltotriose.
- Sec. 107754. Chitosan.
- Sec. 107755. Plastic drinking straws.
- Sec. 107756. Garden hoses.
- Sec. 107757. Plastic fittings of perfluoroalkoxy.
- Sec. 107758. Low density polyethylene (LDPE) sheeting.
- Sec. 107759. Biaxially oriented dielectric polypropylene film.
- Sec. 107760. Biaxially oriented polypropylene (BOPP) capacitor-grade film.
- Sec. 107761. Polyester capacitor-grade film.
- Sec. 107762. Acid form membranes.
- Sec. 107763. Melamine resin foam.
- Sec. 107764. Infant bathtubs and basins, of plastics.
- Sec. 107765. Boxes, cases, crates, and similar articles of plastics.
- Sec. 107766. Nozzles, black, of polypropylene.
- Sec. 107767. Tip/cap combinations of polyethylene.
- Sec. 107768. Bottles made of LDPE.
- Sec. 107769. Plastic nasal irrigator caps for neti pots.
- Sec. 107770. Toy character bottle toppers.
- Sec. 107771. Melamine platters, other than those presented in sets.
- Sec. 107772. Melamine plates, other than those presented in sets.
- Sec. 107773. Melamine bowls not presented in sets.
- Sec. 107774. Melamine trays not presented in sets.
- Sec. 107775. Plastic measuring cups and spoons in sets.
- Sec. 107776. Liquid measuring cups.
- Sec. 107777. Self-anchoring beverage containers.
- Sec. 107778. PVC infant bathtub mats.
- Sec. 107779. Reversible playmats.
- Sec. 107780. Hangers.
- Sec. 107781. Infant bath rinsing cups.
- Sec. 107782. Bathtub spout covers.
- Sec. 107783. Infant teethers.
- Sec. 107784. Lighted dog fetch toys.
- Sec. 107785. Certain thermoplastic nylon 3-gang switch wallplates.
- Sec. 107786. Manual plastic disposable cutlery dispensers.
- Sec. 107787. Ear bulb syringes of clear silicone.
- Sec. 107788. PVC inflatable pillows.
- Sec. 107789. Self-inflatable queen air mattresses.
- Sec. 107790. Plastic clip fasteners.
- Sec. 107791. Self-venting spouts for diesel exhaust fluid.
- Sec. 107792. Plastic pet carriers.
- Sec. 107793. Plastic mixing tips.
- Sec. 107794. Cable ties of plastics.
- Sec. 107795. Flexible camera mountings.
- Sec. 107796. Three-piece camera mount sets.

2021

- Sec. 107797. Magnetic swivel clips for cameras.
- Sec. 107798. Helmet camera mounts.
- Sec. 107799. Short extension poles for use with cameras.
- Sec. 107800. Long extension poles for cameras.
- Sec. 107801. Swivel mounts for cameras.
- Sec. 107802. Tripod camera mounts.
- Sec. 107803. Bulk hydraulic hoses.
- Sec. 107804. Brake hydraulic hoses.
- Sec. 107805. Bulk fabric/metal-reinforced rubber hoses.
- Sec. 107806. Disposable gloves.
- Sec. 107807. Reusable gloves.
- Sec. 107808. Dog and cat apparel.
- Sec. 107809. Polycarbonate vanity cases.
- Sec. 107810. Aluminum vanity cases.
- Sec. 107811. Suitcases with outer surface of aluminum with built-in zipper locks.
- Sec. 107812. Laminated recycled reusable shopping tote bags.
- Sec. 107813. Reusable shopping style tote bags.
- Sec. 107814. Waterproof tote bags.
- Sec. 107815. Waterproof duffle bags.
- Sec. 107816. Waterproof zippered bags, without handles, of plastic sheeting.
- Sec. 107817. Waterproof backpacks.
- Sec. 107818. Waterproof waist packs.
- Sec. 107819. Guitar cases.
- Sec. 107820. Jewelry boxes.
- Sec. 107821. Silicone rubber camera cases with straps.
- Sec. 107822. Leather gloves with flip mitts for hunting.
- Sec. 107823. Men's leather gloves valued at \$18 or more per pair.
- Sec. 107824. Belts of calf skin.
- Sec. 107825. Bamboo engineered flooring: 12.5–12.9 mm thick.
- Sec. 107826. Bamboo engineered flooring: 14.1–14.5 mm thick.
- Sec. 107827. Bamboo engineered flooring: 15.7–16.1 mm thick.
- Sec. 107828. Strand bamboo flooring: 12.5–12.9 mm thick.
- Sec. 107829. Strand bamboo flooring: 14.1–14.5 mm thick.
- Sec. 107830. Strand bamboo flooring: 10.9–11.3 mm thick.
- Sec. 107831. Chopsticks made of bamboo.
- Sec. 107832. Drying racks of wood.
- Sec. 107833. Bamboo skewers.
- Sec. 107834. Wood blinds with louvered slats.
- Sec. 107835. 100 percent cotton woven crimped unbleached fabric.
- Sec. 107836. Woven fabrics of cotton, containing 85 percent or more by weight of cotton, not more than 200 grams per square meter.
- Sec. 107837. 100 percent cotton woven bleached fabric pieces, open weave.
- Sec. 107838. Incontinence underpad fabrics of cotton.
- Sec. 107839. Woven fabrics of cotton with an average yarn number between 55 and 60.
- Sec. 107840. Woven fabric of cotton of yarn number 69 or higher.
- Sec. 107841. Woven fabrics of cotton with an average yarn number exceeding 68.
- Sec. 107842. Incontinence underpad fabrics, cotton, plain weave, of yarn number 42 or lower.
- Sec. 107843. Incontinence underpad fabrics, cotton, plain weave, of yarn number between 43 and 68.
- Sec. 107844. Incontinence underpad fabrics, bleached.
- Sec. 107845. Incontinence underpad fabrics, printed.

2022

- Sec. 107846. Untwisted filament polyvinyl alcohol yarn, measuring 1,100 to 1,330 decitex.
- Sec. 107847. Untwisted filament polyvinyl alcohol yarn.
- Sec. 107848. Polypropylene (PP) monofilament.
- Sec. 107849. Acrylic fiber tow with an average decitex of 0.9.
- Sec. 107850. Black polyester bi-component fibers.
- Sec. 107851. Acrylic staple fibers with an average decitex of 2.2, fiber length of 100 mm.
- Sec. 107852. Modacrylic staple fibers not processed for spinning.
- Sec. 107853. Short polypropylene fibers.
- Sec. 107854. Polyoxadiazole fibers.
- Sec. 107855. Artificial staple fibers of viscose rayon, 38–42 mm in length.
- Sec. 107856. Artificial fibers of viscose rayon for the manufacture of feminine hygiene products.
- Sec. 107857. Flame retardant rayon fibers, measuring 4.78 decitex.
- Sec. 107858. Flame retardant rayon fibers, measuring 4.55 decitex.
- Sec. 107859. Flame retardant rayon fibers, measuring 4.4 decitex.
- Sec. 107860. Other flame retardant rayon fibers.
- Sec. 107861. Cellulosic man-made viscose rayon staple fibers, measuring 1.3–1.5 decitex.
- Sec. 107862. Viscose rayon staple fibers, measuring 1.5–1.67 decitex, with a fiber length of 38–42 mm.
- Sec. 107863. Cellulosic man-made viscose rayon staple fibers, measuring 1.67–2 decitex.
- Sec. 107864. Viscose rayon staple fibers, measuring 1–2 decitex, with a fiber length of 4–8 mm.
- Sec. 107865. Viscose staple fibers used in textile, medical, or hygiene applications.
- Sec. 107866. Viscose rayon staple fibers, measuring 1.51–2 decitex, with a fiber length of 8–16 mm.
- Sec. 107867. Viscose rayon staple fibers, measuring 1–1.5 decitex, with a fiber length of 8–16 mm.
- Sec. 107868. Flame retardant viscose rayon staple fibers, with a decitex of 4.7 mm and a fiber length of 51–60 mm.
- Sec. 107869. Viscose rayon staple fibers for nonwoven production.
- Sec. 107870. Black viscose rayon staple fibers.
- Sec. 107871. Acrylic or modacrylic staple fibers with a decitex of 3–5.6.
- Sec. 107872. Made up hand-cast string-drawn fishing nets.
- Sec. 107873. Knitted carpets containing 75 percent or more of cotton, with a rubber backing.
- Sec. 107874. Knitted carpets containing 75 percent or more by weight of polyester, with a rubber backing.
- Sec. 107875. Faux leather fabrics.
- Sec. 107876. Grass catcher bags.
- Sec. 107877. Oxygenation membrane capillary material.
- Sec. 107878. Textile knitted fabrics composed of micromodal and elastane.
- Sec. 107879. Textile technical knitted fabrics combining technical cotton and elastane.
- Sec. 107880. Textile knit fabrics of modal, cashmere, and spandex.
- Sec. 107881. Women's and girls' dresses, knitted or crocheted, of synthetic fibers infused with minerals.
- Sec. 107882. Women's and girls' skirts and divided skirts of synthetic fibers infused with minerals.
- Sec. 107883. Women's and girls' knit cardigans or pullovers containing 70 percent or more of silk.

2023

- Sec. 107884. Men's and boys' knit cardigans or pullovers of linen.
- Sec. 107885. Babies' knit sweaters, pullovers, sweatshirts, waistcoats (vests), and cardigans, of artificial fibers.
- Sec. 107886. Women's and girls' tops, knitted or crocheted, of man-made fibers infused with minerals.
- Sec. 107887. Men's and boy's tops, knitted or crocheted, of man-made fibers infused with minerals.
- Sec. 107888. Men's 3 mm wetsuits.
- Sec. 107889. Men's 5.5 and 6.5 mm wetsuits.
- Sec. 107890. Men's 3.5 mm wetsuits.
- Sec. 107891. Men's 4.5 mm wetsuits.
- Sec. 107892. Women's 3 mm wetsuits.
- Sec. 107893. Women's 3.5 mm wetsuits.
- Sec. 107894. Women's 4.5 mm wetsuits.
- Sec. 107895. Women's 5.5 and 6.5 mm wetsuits.
- Sec. 107896. Insulated handmuffs of knit polyester.
- Sec. 107897. Men's stockingfoot wader bottom subassemblies, of compressed neoprene.
- Sec. 107898. Men's stockingfoot wader bottom subassemblies, of non-compressed neoprene.
- Sec. 107899. Fishing wader pocket pouch assemblies.
- Sec. 107900. Martial arts uniforms.
- Sec. 107901. Women's or girls' linen woven blouses, shirts and shirt-blouses, and sleeveless tank styles.
- Sec. 107902. Women's or girls' linen woven washsuits, sunsuits, or one-piece playsuits.
- Sec. 107903. Women's or girls' linen woven coveralls or jumpsuits.
- Sec. 107904. Women's shawls and similar goods, 100 percent silk.
- Sec. 107905. Winter cycling gloves.
- Sec. 107906. Lock pocket tents.
- Sec. 107907. Dark room tents.
- Sec. 107908. Bi-component microfiber tube mop refills.
- Sec. 107909. Microfiber duster refills.
- Sec. 107910. RFID mop pads.
- Sec. 107911. Microfiber cleaning cloths.
- Sec. 107912. Microfiber mop pads.
- Sec. 107913. Golf bag body flats.
- Sec. 107914. Bathtub elbow rests.
- Sec. 107915. Door swings.
- Sec. 107916. Under bed restraints.
- Sec. 107917. Bath kneeler.
- Sec. 107918. Two-piece camera mount kits.
- Sec. 107919. Sleeve covers.
- Sec. 107920. Men's cycling shoes valued over \$18 per pair.
- Sec. 107921. Women's cycling shoes valued over \$16 per pair.
- Sec. 107922. Men's golf shoes with outers and uppers of rubber or plastics, valued over \$20 per pair.
- Sec. 107923. Golf shoes other than for men, with outers and uppers of rubber or plastics, valued over \$20 per pair.
- Sec. 107924. Winter cycling boots for men.
- Sec. 107925. Winter cycling boots for women.
- Sec. 107926. Children's footwear valued over \$15 per pair.
- Sec. 107927. Women's protective active footwear, valued over \$25 per pair, 15.35–25.4 cm in height.
- Sec. 107928. Cheer shoes covering the ankle.

2024

- Sec. 107929. Sideline cheer shoes.
- Sec. 107930. Men's athletic footwear, valued under \$9 per pair.
- Sec. 107931. Athletic footwear for women, valued not over \$9 per pair.
- Sec. 107932. Athletic footwear for children, valued not over \$8 per pair.
- Sec. 107933. Men's golf shoes, with outer soles and uppers of rubber or plastics, not covering the ankle, valued \$15 per pair or over.
- Sec. 107934. Golf shoes other than for men, with outer soles and uppers of rubber or plastics, not covering the ankle, valued \$15 per pair or over.
- Sec. 107935. Men's rubber/plastic footwear, valued not over \$5 per pair.
- Sec. 107936. Women's rubber/plastic footwear, valued not over \$6 per pair.
- Sec. 107937. Cheer shoes with sole less than 12 mm.
- Sec. 107938. Men's golf shoes with outers and uppers of rubber or plastics, valued over \$19 per pair.
- Sec. 107939. Golf shoes other than for men, outer soles and uppers of rubber or plastics, valued over \$19 per pair.
- Sec. 107940. Men's golf shoes, outer soles of rubber, plastics, leather or composition leather and uppers of leather (except pigskin uppers).
- Sec. 107941. Women's leather footwear, lined with pigskin with zipper, valued \$47-\$60 per pair.
- Sec. 107942. Women's leather footwear, lined with pigskin, valued \$31-\$40 per pair.
- Sec. 107943. Women's slip-on cow/calf hair footwear, valued \$50-\$60 per pair.
- Sec. 107944. Women's leather footwear lined with sheepskin.
- Sec. 107945. Women's leather slip-on footwear lined with sheep leather.
- Sec. 107946. Women's leather slip-on footwear lined with pigskin.
- Sec. 107947. Women's leather footwear, lined with pigskin, valued \$21-\$27 per pair.
- Sec. 107948. Women's footwear with leather uppers, lined with pigskin, closed toe or heel with functional zippers on sides.
- Sec. 107949. Women's footwear with leather uppers, lined with pigskin with adjustable laces.
- Sec. 107950. Competitive cheer shoes with leather uppers.
- Sec. 107951. Women's footwear with leather uppers, with strap and buckle, valued \$27-\$40 per pair.
- Sec. 107952. Children's leather upper athletic footwear, valued not over \$9 per pair.
- Sec. 107953. Men's athletic type footwear with uppers of textile materials of vegetable fibers and outer soles of rubber or plastic with textile flocking.
- Sec. 107954. Athletic footwear for men, with a bellows tongue, valued over \$6.50 but not over \$12 per pair.
- Sec. 107955. Athletic footwear for women, with a bellows tongue, valued over \$6.50 but not over \$12 per pair.
- Sec. 107956. Athletic footwear for children, bellows tongue, valued over \$6.50 but not over \$12 per pair.
- Sec. 107957. Athletic footwear for men, valued over \$6.50 but not over \$9 per pair.
- Sec. 107958. Athletic footwear for children, valued over \$6.50 but not over \$9 per pair.
- Sec. 107959. Cheer shoes with uppers of textile materials.
- Sec. 107960. Women's footwear with textile uppers and 50 percent or more of the surface area of which is leather.
- Sec. 107961. Women's footwear with textile uppers, open toes or heels, valued \$15-\$30 per pair.

2025

- Sec. 107962. Men's textile upper footwear, with open toes or open heels, valued not over \$12 per pair.
- Sec. 107963. Women's textile upper footwear, with open toes or open heels, valued not over \$12 per pair.
- Sec. 107964. Children's textile upper footwear, with open toes or open heels, valued not over \$12 per pair.
- Sec. 107965. Oxford-style work footwear with steel safety toe and static dissipating protection.
- Sec. 107966. Oxford footwear with textile uppers and composite toe, valued over \$20 per pair.
- Sec. 107967. Men's mid-cut footwear with a textile upper and a protective toe cap.
- Sec. 107968. Women's footwear with leather soles and textile uppers, open toes or heels, valued \$12-\$24 per pair.
- Sec. 107969. Footwear for women valued over \$20 but not over \$24 per pair.
- Sec. 107970. Women's footwear with leather soles and textile uppers, valued \$15-\$20 per pair.
- Sec. 107971. Women's footwear with leather soles and textile uppers, valued \$20-\$25 per pair.
- Sec. 107972. Women's footwear with cork soles and textile uppers.
- Sec. 107973. Men's footwear with felt soles, not covering the ankle, valued \$20 per pair or higher.
- Sec. 107974. Women's and girls' footwear with cork uppers, valued less than \$25 per pair.
- Sec. 107975. Women's footwear with cow/calf hair uppers, valued \$35-\$40 per pair, covering the ankle.
- Sec. 107976. Women's footwear with cow/calf hair uppers, valued \$35-\$40 per pair, not covering the ankle.
- Sec. 107977. Women's footwear with cow/calf hair uppers, valued \$19-\$25 per pair.
- Sec. 107978. Women's footwear with cow/calf hair uppers, valued \$50-\$55 per pair.
- Sec. 107979. Women's footwear, leather soles and rubber/plastic uppers, valued \$16-\$18 per pair.
- Sec. 107980. Women's footwear with cow/calf hair uppers, valued \$19-\$34 per pair.
- Sec. 107981. Footwear for women, valued over \$50 but not over \$60 per pair.
- Sec. 107982. Calf hair upper footwear.
- Sec. 107983. Gaiters of man-made fibers.
- Sec. 107984. Hats of vegetable fibers.
- Sec. 107985. Hairnets.
- Sec. 107986. Cotton knit hats, valued \$8 or less.
- Sec. 107987. Babies' woven cotton hats.
- Sec. 107988. Hats of man-made fiber, valued \$5-\$25.
- Sec. 107989. Waterproof and insulated hats with ear flaps, valued over \$15.
- Sec. 107990. Fishing wading staffs.
- Sec. 107991. Plastic plants for aquariums, not glued or bound.
- Sec. 107992. Natural stone ledger tile of sandstone.
- Sec. 107993. Marble mosaic and pebble tiles.
- Sec. 107994. Natural stone limestone tiles.
- Sec. 107995. Natural stone marble tiles.
- Sec. 107996. Waterjet natural stone mosaic tile.
- Sec. 107997. Marble entertaining and serveware.
- Sec. 107998. Articles of marble for kitchen and dining room.
- Sec. 107999. Natural stone ledger tiles of travertine.

- Sec. 108000. Travertine decorative tile.
- Sec. 108001. Limestone decorative tiles.
- Sec. 108002. Blank, embossed, and printed stoneware coaster disks and trivets.
- Sec. 108003. Rolled green glass sheets.
- Sec. 108004. Framed rear-view mirrors.
- Sec. 108005. Wall mirrors, unframed.
- Sec. 108006. Wall mirrors, framed.
- Sec. 108007. Stemware (crystalline) drinking glasses valued over \$0.30 but not over \$3 each, other than those presented in sets.
- Sec. 108008. Double-walled insulated glass tumblers.
- Sec. 108009. Diamond-shaped stemmed wine glasses.
- Sec. 108010. Twisted-center stemless wine glass.
- Sec. 108011. Crystalline drinking glasses, without stems, not in sets.
- Sec. 108012. Double-walled insulated glass bowls.
- Sec. 108013. Leaf-shaped glass decanters.
- Sec. 108014. Set of four appetizer plates made of glass with steel caddy holder, valued at \$2 each.
- Sec. 108015. Spice rack with glass jars and wooden lids valued not over \$3 each.
- Sec. 108016. Glass lens blanks for infrared applications.
- Sec. 108017. Hair accessories of glass beads, imitation pearls, and imitation stones, valued less than \$7.
- Sec. 108018. Filter bags with acid-resistant coating, of woven fiberglass laminated to ePTFE, weighing at least 325 g/m² but not over 350 g/m².
- Sec. 108019. Fiberglass replacement wicks for outdoor garden torch.
- Sec. 108020. Filter bags of woven fiberglass fabric laminated to an ePTFE, with a polytetrafluoroethylene coated backing, not acid resistant, weighing at least 721 g/m² but not over 771 g/m².
- Sec. 108021. Silver catalyst.
- Sec. 108022. Silver round blanks.
- Sec. 108023. Ferroboron alloy.
- Sec. 108024. Cast iron nonmalleable threaded main body combo castings for residential fuel oil tanks.
- Sec. 108025. Cast iron nonmalleable threaded vent caps for residential fuel oil tanks.
- Sec. 108026. Cast iron nonmalleable threaded bushings for residential fuel oil tanks.
- Sec. 108027. Cast iron nonmalleable threaded tank adapters for residential fuel oil tanks.
- Sec. 108028. Cast iron nonmalleable threaded fill alarm main body for residential fuel oil tanks.
- Sec. 108029. Cast iron nonmalleable threaded fill box caps for residential fuel oil tanks.
- Sec. 108030. Cast iron nonmalleable threaded leg flanges for residential fuel oil tanks.
- Sec. 108031. Portable gas cooking stoves.
- Sec. 108032. Portable outdoor cookers.
- Sec. 108033. Self-anchored beverage containers.
- Sec. 108034. Stainless steel handmade kitchen sinks.
- Sec. 108035. Loose frame baskets.
- Sec. 108036. Two-story fire escape ladders.
- Sec. 108037. Three-story fire escape ladders.
- Sec. 108038. Work support stands of steel.

- Sec. 108039. Locking fixtures of iron or steel.
- Sec. 108040. Stainless steel phone handle-and-stand accessories.
- Sec. 108041. Circular and S-shaped stainless steel carabiners.
- Sec. 108042. Pieces of refined unwrought copper cathode 99.9999 percent pure.
- Sec. 108043. Ultra-thin and wide-width aluminum foil.
- Sec. 108044. Etched capacitor aluminum foil of a thickness 0.018–0.126 mm.
- Sec. 108045. Stove top coffee makers.
- Sec. 108046. Aluminum shower caddies.
- Sec. 108047. Step stools of aluminum.
- Sec. 108048. Aluminum ladders.
- Sec. 108049. Circular and S-shaped aluminum carabiners.
- Sec. 108050. Stationary sprinklers of zinc.
- Sec. 108051. Tungsten waste and scrap.
- Sec. 108052. Cobalt alloys.
- Sec. 108053. Certain gallium (Ga).
- Sec. 108054. Niobium (columbium) rings no thicker than 20 mm.
- Sec. 108055. Tungsten secondary raw material.
- Sec. 108056. Gear-driven bolt cutters and pipe cutters.
- Sec. 108057. Rotary cutters.
- Sec. 108058. Food graters.
- Sec. 108059. Hand tools for applying plastic clip fasteners to garments.
- Sec. 108060. Steel workstations with vises adjustable by foot pedal.
- Sec. 108061. Fixed carbide cutter and roller cone drill bits.
- Sec. 108062. Rotary food graters.
- Sec. 108063. Coffee presses.
- Sec. 108064. Vacuum insulated coffee servers with a brew-through lid.
- Sec. 108065. Vacuum insulated coffee servers with no lid.
- Sec. 108066. Vacuum insulated coffee servers with fitted hinged lid.
- Sec. 108067. Commercial vacuum insulated coffee servers with sight gauge.
- Sec. 108068. Commercial vacuum insulated coffee servers with plastic base.
- Sec. 108069. Commercial vacuum insulated coffee servers with plastic base and stand.
- Sec. 108070. Craft knives with fixed pen-like or retractable blades.
- Sec. 108071. Craft knives.
- Sec. 108072. Blades for craft knives with non-fixed blades.
- Sec. 108073. Ergonomic pinking shears.
- Sec. 108074. Spring-action scissors.
- Sec. 108075. Electronic locks for lockers.
- Sec. 108076. Luggage locks of base metal, packaged for retail sale.
- Sec. 108077. Key-operated door handles, push-pull-rotate.
- Sec. 108078. Vent mounted magnetic mobile phone holder for automobiles.
- Sec. 108079. Dash mounted magnetic mobile phone holder for automobiles.
- Sec. 108080. Windshield mounted magnetic mobile phone holder for automobiles.
- Sec. 108081. Steel latches with plastic plungers.
- Sec. 108082. Non-key-operated door handles.
- Sec. 108083. Curtain rings.
- Sec. 108084. Brackets.
- Sec. 108085. Curtain rods.
- Sec. 108086. Curtain rod hardware.
- Sec. 108087. Curtain tiebacks.
- Sec. 108088. Curtain rod finials.
- Sec. 108089. Curved shower rods.
- Sec. 108090. Shower hooks and rings.

- Sec. 108091. Straight shower rods.
- Sec. 108092. Steel window rods.
- Sec. 108093. Antitheft steel cases with digital locks.
- Sec. 108094. Stainless steel hose kits.
- Sec. 108095. Stainless steel hoses.
- Sec. 108096. Wrist watch strap buckles not over 18 mm.
- Sec. 108097. Wrist watch strap buckles over 18 mm.
- Sec. 108098. Used cylinder heads.
- Sec. 108099. Cylinder heads used solely or principally with certain engines.
- Sec. 108100. Engine blocks.
- Sec. 108101. Swirler assemblies for turbines.
- Sec. 108102. Barrels for fuel mixing.
- Sec. 108103. Injector assemblies for certain turbines.
- Sec. 108104. Stem assemblies for certain turbines.
- Sec. 108105. Tip assemblies for non-gas turbines.
- Sec. 108106. High pressure fuel pumps.
- Sec. 108107. Dry scroll vacuum pumps 364x333x485 mm.
- Sec. 108108. Dry scroll vacuum pumps 297x260x420 mm.
- Sec. 108109. Dry scroll vacuum pumps 254x260x420 mm.
- Sec. 108110. Dry scroll vacuum pumps 181x140x358 mm.
- Sec. 108111. Turbomolecular vacuum pumps.
- Sec. 108112. Rotary vane vacuum pumps valued over \$500 each.
- Sec. 108113. Vacuum diffusion pumps valued over \$900 each.
- Sec. 108114. Hand- or foot-operated air pumps.
- Sec. 108115. Roof vent fans.
- Sec. 108116. 12-Amp corded electric leaf blowers.
- Sec. 108117. Cordless battery powered leaf blowers not exceeding 20 volts.
- Sec. 108118. Cordless battery powered leaf blowers between 20 and 60 V.
- Sec. 108119. Fan assemblies for cab climate systems.
- Sec. 108120. Aquarium air pumps.
- Sec. 108121. Heat pumps for residential use.
- Sec. 108122. Heat pumps (outdoor units) for split air conditioner systems.
- Sec. 108123. High-wall indoor units.
- Sec. 108124. Single-zone outdoor units.
- Sec. 108125. Mini heat pumps for split air conditioner systems.
- Sec. 108126. Multi-zone outdoor unit ductless systems.
- Sec. 108127. Indoor units of split air conditioner systems.
- Sec. 108128. Ductless 18000 BTU heat pumps, single zone inverter.
- Sec. 108129. Single-phase heat pump.
- Sec. 108130. Steel vacuum pitchers with plastic hinged lid.
- Sec. 108131. Oil filters.
- Sec. 108132. Battery powered nasal irrigators.
- Sec. 108133. Struts to absorb vibration.
- Sec. 108134. Table saws (25.4 cm.), operable corded and cordless.
- Sec. 108135. Sliding miter saws (25.4 cm) with laser, corded and cordless.
- Sec. 108136. Electromechanical rotary hammers, corded and cordless.
- Sec. 108137. Electromechanical hammer impact drivers, corded and cordless.
- Sec. 108138. Rotary hammer drill tools with self-contained electric motor.
- Sec. 108139. Drill driver tools with self-contained electric motor.
- Sec. 108140. Extruders.
- Sec. 108141. Three-dimensional drawing pens.
- Sec. 108142. Professional grade three-dimensional drawing pens.
- Sec. 108143. Electric multi-functional blower vacuums.
- Sec. 108144. Autosamplers (multisamplers) for liquid chromatographs.
- Sec. 108145. Autosamplers (vialsamplers) for liquid chromatographs.

- Sec. 108146. Hydraulic hammer assembly.
- Sec. 108147. Segmented bladder-operated molds, with more than 25-inch rim diameter.
- Sec. 108148. Used valves for directional control.
- Sec. 108149. Keg spears with pressure release valves.
- Sec. 108150. Multiport distribution controllers.
- Sec. 108151. Subsea modular trees.
- Sec. 108152. Flow selector unit-multi-port 6-branch engine crankshafts.
- Sec. 108153. Engine crankshafts.
- Sec. 108154. Turbocharger journal bearings.
- Sec. 108155. Mid-range bearing housings.
- Sec. 108156. Heavy duty bearing housings.
- Sec. 108157. Fixed ration gear boxes.
- Sec. 108158. Track drive gear boxes.
- Sec. 108159. Swing bearing assembly.
- Sec. 108160. Gears for use in machinery or within engines.
- Sec. 108161. 14Y stepper motors.
- Sec. 108162. Air door actuators.
- Sec. 108163. Servo motors.
- Sec. 108164. DC brushed rhombic winding NdFeb magnet motors, with output under 18.65 W.
- Sec. 108165. DC brushed rhombic winding NdFeB magnet motors.
- Sec. 108166. DC brushed rhombic winding AlNiCo magnet motors, with output under 18.65 W.
- Sec. 108167. DC brushless rhombic winding NdFeB magnet motors, with output under 18.65 W.
- Sec. 108168. DC brushed rhombic winding NdFeB magnet motors, with output over 18.65 but not over 37.5 W.
- Sec. 108169. DC brushed rhombic winding AlNiCo magnet motors, with output over 18.65 W but not over 37.5 W.
- Sec. 108170. DC brushless slotless rhombic winding NdFeB magnet motors output over 18.65 W but not over 37.5 W.
- Sec. 108171. DC brushed rhombic winding NdFeB magnet motors output over 37.5 W but not over 74.6 W.
- Sec. 108172. DC brushless slotless rhombic winding NdFeB magnet motors output over 37.5 W but not over 74.6 W.
- Sec. 108173. Motors.
- Sec. 108174. DC motors of an output exceeding 74.6 W but not exceeding 735 W.
- Sec. 108175. DC motors, of an output exceeding 74.6 W but not exceeding 735 W.
- Sec. 108176. DC brushed rhombic winding NdFeB magnet motors output over 74.6 W but not over 735 W.
- Sec. 108177. DC brushless slotless rhombic winding NdFeB magnet motors output over 74.6 W but not over 735 W.
- Sec. 108178. DC motors of an output exceeding 750 W but not exceeding 14.92 kW.
- Sec. 108179. DC electric motor for non-aircraft gas turbines.
- Sec. 108180. AC alternators.
- Sec. 108181. AC alternators with copper windings.
- Sec. 108182. Wound stators and rotor assemblies.
- Sec. 108183. Rotors.
- Sec. 108184. Stators for washing machines, with a 27-tooth design.
- Sec. 108185. Stators for washing machines, with an 18-tooth design.
- Sec. 108186. Rotors for washing machines, with a height of 60.8 mm.

2030

- Sec. 108187. Rotors for washing machines, with a height of 49 mm.
- Sec. 108188. 6 V lead-acid storage batteries.
- Sec. 108189. 12 V lead-acid storage batteries, used for the auxiliary source of power.
- Sec. 108190. Lead-acid storage batteries, used for wheelchairs.
- Sec. 108191. 12 V lead-acid storage batteries, rated at less than 15 ampere-hours.
- Sec. 108192. 12 V lead-acid storage batteries, rated at 15 ampere-hours or more.
- Sec. 108193. Cell box assemblies, weighing 15 kg or more but not over 18 kg.
- Sec. 108194. Cell box assemblies, weighing 30 kg or more but not over 36 kg.
- Sec. 108195. Cell box assemblies, weighing 36 kg or more but not over 49 kg.
- Sec. 108196. Cell box assemblies NX.
- Sec. 108197. Food processors with a capacity greater than 2.9 liters but not exceeding 3.1 liters.
- Sec. 108198. Food processors with a capacity greater than 1.6 liters but not exceeding 2.2 liters.
- Sec. 108199. Cordless hand blenders.
- Sec. 108200. Cordless hand mixers.
- Sec. 108201. Corded hand blenders.
- Sec. 108202. Burr coffee grinders.
- Sec. 108203. Electric food processors with bowl scraper.
- Sec. 108204. Electric food processors with snap-locking lid.
- Sec. 108205. Electric juice extractors.
- Sec. 108206. Electric drink mixers.
- Sec. 108207. Spiralizing food processors with a capacity equal to or greater than 2.36 liters but not exceeding 2.64 liters.
- Sec. 108208. Spiralizing food processors with a capacity equal to or greater than 2.83 liters but not exceeding 3.07 liters.
- Sec. 108209. Dicing food processors.
- Sec. 108210. Compact food processor with smoothie function.
- Sec. 108211. Juice extractors.
- Sec. 108212. Integrated baby food making systems.
- Sec. 108213. Electric juice mixers and grinders.
- Sec. 108214. Ultrasonic humidifiers.
- Sec. 108215. Automatic litterboxes, valued no more than \$100.
- Sec. 108216. Electric toothbrushes.
- Sec. 108217. Ultrasonic cool/warm mist humidifiers with aromatherapy.
- Sec. 108218. 2-in-1 can opener.
- Sec. 108219. Food spiralizing devices.
- Sec. 108220. Ceramic bowls.
- Sec. 108221. Food grinders for certain electromechanical stand food mixers.
- Sec. 108222. Pasta press extruders for certain stand food mixers.
- Sec. 108223. Stainless steel bowls for certain electromechanical stand food mixers, with capacity greater than 4.2 liters but not exceeding 4.8 liters.
- Sec. 108224. Stainless steel bowls for certain electromechanical stand food mixers, with capacity greater than 2.8 liters but not exceeding 3.4 liters.
- Sec. 108225. Stainless steel bowls for certain electromechanical stand food mixers, with capacity greater than 5.6 liters but not exceeding 8.6 liters.
- Sec. 108226. Pasta rollers and cutters for stand food mixers.
- Sec. 108227. Glass bowls for certain electromechanical stand food mixers.
- Sec. 108228. Body trimmers for detailed hair trimming.

- Sec. 108229. Hair clipper sets.
- Sec. 108230. Rechargeable trimmers for trimming human hair.
- Sec. 108231. PCB assemblies for clippers and trimmers.
- Sec. 108232. LED bicycle wheel spoke lights.
- Sec. 108233. Bicycle rear lights.
- Sec. 108234. Portable electric lamps.
- Sec. 108235. Space heaters.
- Sec. 108236. Microwave ovens with capacity not exceeding 22.5 liters.
- Sec. 108237. Microwave ovens with capacity exceeding 22.5 liters but not exceeding 31 liters.
- Sec. 108238. Low-profile microwave ovens with electronic opening mechanism and integral range hood.
- Sec. 108239. Low-profile microwave ovens with push button opening mechanism and integral range hood.
- Sec. 108240. Low-profile microwave ovens with electronic opening mechanism and without a range hood.
- Sec. 108241. Searing grills.
- Sec. 108242. Automatic drip coffee makers.
- Sec. 108243. Espresso machines.
- Sec. 108244. Coffee makers with dishwasher safe removable parts.
- Sec. 108245. Single-service coffee makers with milk frothers.
- Sec. 108246. Electric coffee makers with dual dispensers.
- Sec. 108247. Electric coffee makers for brewing capsules.
- Sec. 108248. Automatic or manual pour over coffee makers.
- Sec. 108249. Removable reservoir coffeemakers.
- Sec. 108250. Single serve coffee makers.
- Sec. 108251. 2-way coffee makers with a 12-cup carafe and a pod brewer.
- Sec. 108252. Rapid cold brew and hot coffee makers.
- Sec. 108253. Electric kettles.
- Sec. 108254. Electric toasters with even-toast feature.
- Sec. 108255. Electric toasters with 6.5 inch slots.
- Sec. 108256. Electric toasters with 37 mm wide slots, with an under-base cord wrap.
- Sec. 108257. 2- and 4-slot toasters, not having a button to keep toaster contents warm after toasting.
- Sec. 108258. 2-slot toasters, with a button to keep toaster content warm after toasting.
- Sec. 108259. Electric toasters with double-slice slots.
- Sec. 108260. Electric toasters with 37 mm wide slots, with a retractable cord.
- Sec. 108261. Electric pressure cookers rated more than 800 W but not more than 1,000 W, with a capacity of not less than 5 liters.
- Sec. 108262. Electric pressure cookers rated more than 1,200 W but not more than 1,400 W, with a capacity of less than 5 liters.
- Sec. 108263. Electric pressure cookers rated more than 1,000 W but not more than 1,200 W, with a capacity of less than 5 liters.
- Sec. 108264. Contoured heating pads.
- Sec. 108265. Slow cookers with non-stick ceramic coated stoneware.
- Sec. 108266. Heating pads.
- Sec. 108267. Programmable slow cookers with digital display.
- Sec. 108268. 8-Quart electric slow cookers.
- Sec. 108269. Programmable slow cookers.
- Sec. 108270. Electric slow cookers with locking lid.
- Sec. 108271. Double flip waffle makers with removable grids.
- Sec. 108272. Ice cream waffle cone and bowl makers.
- Sec. 108273. Electric breakfast sandwich makers.

- Sec. 108274. Pressure cookers.
- Sec. 108275. 10-quart programmable slow cookers.
- Sec. 108276. Polished stainless steel 1.5-quart tea kettles.
- Sec. 108277. Egg bite makers.
- Sec. 108278. Vacuum steel insulated coffee carafes, of a kind used with deep ultraviolet lithography machines.
- Sec. 108279. Vacuum steel insulated carafes for household coffee machines, of a kind used with deep ultraviolet lithography machines.
- Sec. 108280. Vacuum steel bodies with inner and outer steel layers.
- Sec. 108281. Lamp-holder housings of plastic.
- Sec. 108282. 660 W, 125 V, lamp-holder with two 15 amp outlets.
- Sec. 108283. Combination duplex receptacle/outlet and USB charger, 15–20 amp, 125 V.
- Sec. 108284. Range and dryer receptacles.
- Sec. 108285. Residential grade receptacles.
- Sec. 108286. Residential and commercial USB receptacles.
- Sec. 108287. Power strips.
- Sec. 108288. Surge protectors.
- Sec. 108289. Programmable controllers for architectural lighting.
- Sec. 108290. Electronic modular control panels for generators.
- Sec. 108291. Power distribution modules and programmable controllers.
- Sec. 108292. Glass capacitive touchscreen assemblies with LCD.
- Sec. 108293. Lamps containing deuterium gas without radio-frequency identification (RFID).
- Sec. 108294. Lamps containing deuterium gas with radio-frequency identification (RFID).
- Sec. 108295. Fiber channel coaxial cables of silver-plated copper conductors and expanded ePTFE dielectrics.
- Sec. 108296. Insulated coaxial cables, of a kind used with deep ultraviolet lithography machines.
- Sec. 108297. Coaxial cables insulated with ePTFE, vapor sealed, of a kind used with deep ultraviolet lithography machines.
- Sec. 108298. Coaxial cables insulated with ePTFE, non-vapor sealed, of a kind used with deep ultraviolet lithography machines.
- Sec. 108299. Low speed automotive ethernet USB harnesses.
- Sec. 108300. High speed autolink cable USB harnesses.
- Sec. 108301. Insulated electric conductors, of a kind used with extreme ultraviolet lithography machines.
- Sec. 108302. Insulated electric conductors, of a kind used with deep ultraviolet lithography machines.
- Sec. 108303. Insulated electric conductors, of a kind used with optical instruments.
- Sec. 108304. Rings, blocks, and other insulating fittings of quartz.
- Sec. 108305. Front tire splash guards for vehicles.
- Sec. 108306. Rear tire splash guards for vehicles.
- Sec. 108307. Automatic gear boxes.
- Sec. 108308. Suspension systems (struts) for off-highway trucks.
- Sec. 108309. Suspension system stabilizer bars.
- Sec. 108310. Tie rod assemblies.
- Sec. 108311. Used axle housings.
- Sec. 108312. Used parts for power trains.
- Sec. 108313. Front windshield covers.
- Sec. 108314. Expansion chambers.
- Sec. 108315. Bicycle racks for car roofs.
- Sec. 108316. High pressure fuel injector rails.

- Sec. 108317. Stand-up bicycles, having both wheels exceeding 63.5 cm in diameter.
- Sec. 108318. Elliptical cycles, with wheels not exceeding 63.5 cm in diameter.
- Sec. 108319. Bicycle frames, other than of steel, valued \$600 or less.
- Sec. 108320. Internal gear bicycle hubs, other than two or three speeds.
- Sec. 108321. Bicycle pedals other than clipless pedals.
- Sec. 108322. Clipless bicycle pedals and parts thereof.
- Sec. 108323. Carbon fiber bicycle seatposts.
- Sec. 108324. Bicycle handlebar tape, other than silicon or leather tape.
- Sec. 108325. Trailer cycles.
- Sec. 108326. Dropper seatposts.
- Sec. 108327. Bicycle fenders.
- Sec. 108328. Bicycle handlebars.
- Sec. 108329. Multi-functional steel carts.
- Sec. 108330. Non-mechanically propelled industrial hand truck.
- Sec. 108331. Moving dollies.
- Sec. 108332. Paragliders, paraglider wings and paraglider harnesses.
- Sec. 108333. Sailing catamarans and power catamarans.
- Sec. 108334. Projection lenses.
- Sec. 108335. Mounted optical lenses.
- Sec. 108336. Objective lenses for broadcast cameras.
- Sec. 108337. Objective lenses for cinema cameras.
- Sec. 108338. Magnifying spectacles.
- Sec. 108339. LCD television panel assemblies, with a video display measuring over 175.26 cm.
- Sec. 108340. LCD television panel assemblies, with a video display measuring over 149.86 cm but not over 175.26 cm.
- Sec. 108341. LCD television panel assemblies, with a video display measuring over 139.7 cm but not over 149.86 cm.
- Sec. 108342. LCD television panel assemblies, with a video display measuring over 137.16 cm but not over 139.7 cm.
- Sec. 108343. Housings designed for infrared lenses.
- Sec. 108344. Electronic temperature indicators, weighing 14.2 g.
- Sec. 108345. Electronic temperature indicators, weighing 64.4 g.
- Sec. 108346. Electronic temperature indicators, weighing 430 g.
- Sec. 108347. Global cargo trackers, weighing 660 g.
- Sec. 108348. Temperature data monitors, weighing 115 g.
- Sec. 108349. Temperature data monitors, weighing 138.9 g.
- Sec. 108350. Temperature data monitors, weighing 133.2 g.
- Sec. 108351. Parts and accessories of bicycle speedometers.
- Sec. 108352. Wired remote controllers.
- Sec. 108353. Analog/digital wrist watches.
- Sec. 108354. Mechanical wrist watches.
- Sec. 108355. Mechanical wrist watches with leather or other band.
- Sec. 108356. Analog pocket watches.
- Sec. 108357. Projection alarm clocks, non-atomic.
- Sec. 108358. Projection atomic alarm clocks.
- Sec. 108359. Analog wall clocks without thermometer, hygrometer, or barometer gauges.
- Sec. 108360. Analog clocks with thermometer and hygrometer.
- Sec. 108361. Atomic analog wall clocks.
- Sec. 108362. Atomic digital clocks.
- Sec. 108363. Analog kitchen timers.
- Sec. 108364. Wrist watch movements having over one jewel and less than 7 jewels.

- Sec. 108365. Watch movements having over 7 jewels and under 17 jewels.
- Sec. 108366. Watch cases or “bodies” over 41 mm in diameter.
- Sec. 108367. Watch cases or “bodies” not over 41 mm in diameter.
- Sec. 108368. Watch case bezels, backs, and centers.
- Sec. 108369. Watch case parts.
- Sec. 108370. Stainless steel watch bracelets.
- Sec. 108371. Watch dials.
- Sec. 108372. Watch crowns.
- Sec. 108373. Watch hands.
- Sec. 108374. Acoustic guitars.
- Sec. 108375. Console digital pianos.
- Sec. 108376. Grand digital pianos.
- Sec. 108377. Electronic 61-key keyboards.
- Sec. 108378. Electric guitars and acoustic/electric guitars.
- Sec. 108379. Memory foam travel pillows.
- Sec. 108380. Lighting for wall installation.
- Sec. 108381. Decorative bathroom fan assemblies (lighting fixtures) assemblies.
- Sec. 108382. Metal household floor lamps.
- Sec. 108383. Solar powered pathway lights, each measuring between 36.8 cm and 42 cm in height.
- Sec. 108384. Solar powered pathway lights, each measuring between 45 cm and 48 cm in height.
- Sec. 108385. Exterior exit viewing lights, dual beam.
- Sec. 108386. LED flameless candles.
- Sec. 108387. Aquarium LED light strands.
- Sec. 108388. LED light modules for bathroom fans/lights.
- Sec. 108389. Aquarium LED light sticks.
- Sec. 108390. Aquarium LED light strips.
- Sec. 108391. Decorative votive candle holders.
- Sec. 108392. Candle jar shades.
- Sec. 108393. Non-electrical lighting.
- Sec. 108394. Outdoor garden or patio torches of bamboo construction.
- Sec. 108395. Outdoor garden or patio torches of non-bamboo construction.
- Sec. 108396. Indoor oil lamps with base of glass or metal.
- Sec. 108397. Outdoor garden torches for tabletop use.
- Sec. 108398. Glass lens arrays for spotlights.
- Sec. 108399. Lamp shades.
- Sec. 108400. Galvanized steel LED downlight housing frames.
- Sec. 108401. Aluminum cylinders for LED lighting fixtures.
- Sec. 108402. Galvanized steel brackets and plates for LED lighting fixtures.
- Sec. 108403. Aluminum LED downlight reflectors.
- Sec. 108404. Outdoor garden torch replacement canisters.
- Sec. 108405. Iris subassemblies for moving lights.
- Sec. 108406. Zoom modules for automated moving lights.
- Sec. 108407. Golf club heads for fairway woods.
- Sec. 108408. Golf club shafts for putters.
- Sec. 108409. Steel golf club shafts, other than for putters.
- Sec. 108410. Golf club shaft assemblies.
- Sec. 108411. Graphite driver golf club shafts, extra stiff flex.
- Sec. 108412. Graphite hybrid golf club shafts, extra stiff flex.
- Sec. 108413. Graphite irons golf club shafts, extra stiff flex.
- Sec. 108414. Graphite driver golf club shafts, regular, senior, adult, or ladies flex.
- Sec. 108415. Graphite golf club driver shafts, stiff flex.

- Sec. 108416. Graphite hybrid golf club shafts, regular, senior, adult, or ladies flex.
- Sec. 108417. Graphite hybrid golf club shafts, stiff flex.
- Sec. 108418. Graphite irons golf club shafts, regular, senior, adult, or ladies flex.
- Sec. 108419. Graphite irons golf club shafts, stiff flex.
- Sec. 108420. Pickleball paddles.
- Sec. 108421. Pickleballs.
- Sec. 108422. Exercise cycles.
- Sec. 108423. Stationary trainers.
- Sec. 108424. Multimodality fitness equipment, without integrated contact grip heart rate monitor.
- Sec. 108425. Multimodality fitness equipment with integrated power sensor to measure the user's upper body power input.
- Sec. 108426. Parts and accessories for treadmills.
- Sec. 108427. Parts and accessories for ellipticals.
- Sec. 108428. Parts and accessories for stationary exercise cycles.
- Sec. 108429. Parts and accessories for weight training equipment.
- Sec. 108430. Parts and accessories for certain exercise equipment machines.
- Sec. 108431. Lateral elliptical machines.
- Sec. 108432. Adjustable-weight kettlebells.
- Sec. 108433. Adjustable-weight barbell.
- Sec. 108434. Exercise cycles with dual-position handgrips.
- Sec. 108435. Exercise cycles with single handgrips.
- Sec. 108436. Upright exercise cycles.
- Sec. 108437. Recumbent exercise cycles with touchscreen consoles.
- Sec. 108438. Leaning exercise cycles.
- Sec. 108439. Rod gyms, with vertical bench.
- Sec. 108440. Rod and resistance gyms, with flat benches.
- Sec. 108441. Foldable treadmills, with LCD consoles with control keypads.
- Sec. 108442. Foldable treadmills, with touchscreen consoles measuring 44.5 cm or less.
- Sec. 108443. Indoor cycling machines with wireless data touchscreen displays.
- Sec. 108444. Indoor cycling machines with LCD consoles and two water bottle holders.
- Sec. 108445. Indoor cycling machines with LCD consoles and single water bottle holder.
- Sec. 108446. Recumbent elliptical machines.
- Sec. 108447. Fitness equipment combining the functions of an elliptical and a stair stepper, weight over 90 kgs.
- Sec. 108448. Foldable treadmills with touchscreen console greater than 44.4 cm.
- Sec. 108449. Interactive indoor cycling exercise cycles.
- Sec. 108450. Multimodality fitness equipment, with integrated contact grip heart rate monitors.
- Sec. 108451. Fishing reels valued not over \$2.70 each, pre-spooled, with rod and fishing line.
- Sec. 108452. Fishing reels valued not over \$2.70 each.
- Sec. 108453. Hard artificial crankbaits.
- Sec. 108454. Collapsible big game decoys.
- Sec. 108455. Vacuum steel hinged lid pitchers, not exceeding 1 liter.
- Sec. 108456. Vacuum insulated drinkware having a capacity exceeding 1 liter but not exceeding 2 liters.
- Sec. 108457. Vacuum insulated drinkware having a capacity exceeding 2 liters but not exceeding 4 liters.

Sec. 108458. Vacuum glass lined steel coffee servers over 2 liters.

Sec. 108459. Vacuum glass lined steel coffee servers over 2 liters with lever dispensing.

Subtitle B—Existing Duty Suspensions and Reductions

Sec. 108460. Extension of certain existing duty suspensions and reductions and other modifications.

Subtitle C—Effective Date and Technical Corrections Authority

Sec. 108461. Effective date.

Sec. 108462. Authority to make technical and conforming changes.

1 **SEC. 100001. SHORT TITLE.**

2 This division may be cited as the “American Worker
3 and Trade Competitiveness Act”.

4 **TITLE I—TRADE ADJUSTMENT**
5 **ASSISTANCE**

6 **SEC. 101001. SHORT TITLE.**

7 This title may be cited as the “Trade Adjustment As-
8 sistance Modernization Act of 2022”.

9 **SEC. 101002. APPLICATION OF PROVISIONS RELATING TO**
10 **TRADE ADJUSTMENT ASSISTANCE.**

11 (a) EFFECTIVE DATE; APPLICABILITY.—Except as
12 otherwise provided in this title, the provisions of chapters
13 2 through 6 of title II of the Trade Act of 1974, as in
14 effect on June 30, 2021, and as amended by this title,
15 shall—

16 (1) take effect on the date of the enactment of
17 this Act; and

18 (2) apply with respect to petitions for certifi-
19 cation filed under chapter 2, 3, 4, or 6 of title II of

1 the Trade Act of 1974 on or after such date of en-
2 actment.

3 (b) REFERENCE.—Except as otherwise provided in
4 this title, whenever in this title an amendment or repeal
5 is expressed in terms of an amendment to, or repeal of,
6 a provision of chapters 2 through 6 of title II of the Trade
7 Act of 1974, the reference shall be considered to be made
8 to a provision of any such chapter, as in effect on June
9 30, 2021.

10 (c) REPEAL OF SNAPBACK.—Section 406 of the
11 Trade Adjustment Assistance Reauthorization Act of
12 2015 (Public Law 114–27; 129 Stat. 379) is repealed.

13 **Subtitle A—Trade Adjustment** 14 **Assistance for Workers**

15 **SEC. 101101. FILING PETITIONS.**

16 Section 221(a)(1) of the Trade Act of 1974 (19
17 U.S.C. 2271(a)(1)) is amended—

18 (1) by amending subparagraph (A) to read as
19 follows:

20 “(A) One or more workers in the group of
21 workers.”; and

22 (2) in subparagraph (C), by striking “or a
23 State dislocated worker unit” and inserting “a State
24 dislocated worker unit, or workforce intermediaries,

1 including labor-management organizations that carry
2 out re-employment and training services”.

3 **SEC. 101102. GROUP ELIGIBILITY REQUIREMENTS.**

4 (a) IN GENERAL.—Section 222(a)(2) of the Trade
5 Act of 1974 (19 U.S.C. 2272(a)(2)) is amended—

6 (1) in subparagraph (A)—

7 (A) in clause (i), by inserting “, failed to
8 increase, or will decrease absolutely due to a
9 scheduled or imminently anticipated, long-term
10 decrease in or reallocation of the production ca-
11 pacity of the firm” after “absolutely”; and

12 (B) in clause (iii)—

13 (i) by striking “to the decline” and in-
14 serting “to any decline or absence of in-
15 crease”; and

16 (ii) by striking “or” at the end;

17 (2) in subparagraph (B)(ii), by striking the pe-
18 riod at the end and inserting “; or”; and

19 (3) by adding at the end the following:

20 “(C)(i) the sales or production, or both, of such
21 firm have decreased;

22 “(ii)(I) exports of articles produced or services
23 supplied by such workers’ firm have decreased; or

1 “(II) imports of articles or services necessary
2 for the production of articles or services supplied by
3 such firm have decreased; and

4 “(iii) the decrease in exports or imports de-
5 scribed in clause (ii) contributed to such workers’
6 separation or threat of separation and to the decline
7 in the sales or production of such firm.”.

8 (b) REPEAL.—Section 222 of the Trade Act of 1974
9 (19 U.S.C. 2272) is amended—

10 (1) in subsections (a) and (b), by striking “im-
11 portantly” each place it appears; and

12 (2) in subsection (c)—

13 (A) by striking paragraph (1); and

14 (B) by redesignating paragraphs (2)
15 through (4) as paragraphs (1) through (3), re-
16 spectively.

17 (c) ELIGIBILITY OF STAFFED WORKERS AND TELE-
18 WORKERS.—Section 222 of the Trade Act of 1974 (19
19 U.S.C. 2272), as amended by subsection (b), is further
20 amended by adding at the end the following:

21 “(f) TREATMENT OF STAFFED WORKERS AND TELE-
22 WORKERS.—

23 “(1) IN GENERAL.—For purposes of subsection
24 (a), workers in a firm include staffed workers and
25 teleworkers.

1 “(2) DEFINITIONS.—In this subsection:

2 “(A) STAFFED WORKER.—The term
3 ‘staffed worker’ means a worker who performs
4 work under the operational control of a firm
5 that is the subject of a petition filed under sec-
6 tion 221, even if the worker is directly em-
7 ployed by another firm.

8 “(B) TELEWORKER.—The term ‘tele-
9 worker’ means a worker who works remotely
10 but who reports to the location listed for a firm
11 in a petition filed under section 221.”.

12 **SEC. 101103. APPLICATION OF DETERMINATIONS OF ELIGI-**
13 **BILITY TO WORKERS EMPLOYED BY SUCCES-**
14 **SORS-IN-INTEREST.**

15 Section 223 of the Trade Act of 1974 (19 U.S.C.
16 2273) is amended by adding at the end the following:

17 “(f) TREATMENT OF WORKERS OF SUCCESSORS-IN-
18 INTEREST.—If the Secretary certifies a group of workers
19 of a firm as eligible to apply for adjustment assistance
20 under this chapter, a worker of a successor-in-interest to
21 that firm shall be covered by the certification to the same
22 extent as a worker of that firm.”.

1 **SEC. 101104. PROVISION OF BENEFIT INFORMATION TO**
2 **WORKERS.**

3 Section 225 of the Trade Act of 1974 (19 U.S.C.
4 2275) is amended—

5 (1) in subsection (a), by inserting after the sec-
6 ond sentence the following new sentence: “The Sec-
7 retary shall make every effort to provide such infor-
8 mation and assistance to workers in their native lan-
9 guage.”; and

10 (2) in subsection (b)—

11 (A) by redesignating paragraph (2) as
12 paragraph (3);

13 (B) by inserting after paragraph (1) the
14 following:

15 “(2) The Secretary shall provide a second notice to
16 a worker described in paragraph (1) before the worker has
17 exhausted all rights to any unemployment insurance to
18 which the worker is entitled (other than additional com-
19 pensation described in section 231(a)(3)(B) funded by a
20 State and not reimbursed from Federal funds).”;

21 (C) in paragraph (3), as redesignated by
22 paragraph (1), by striking “newspapers of gen-
23 eral circulation” and inserting “appropriate
24 print or digital outlets”; and

25 (D) by adding at the end the following:

1 “(4) For purposes of providing sustained outreach re-
2 garding the benefits available under this chapter to work-
3 ers covered by a certification made under this subchapter,
4 the Secretary may take any necessary actions, including
5 the following:

6 “(A) Collecting the email addresses and tele-
7 phone numbers of such workers from the employers
8 of such workers to provide sustained outreach to
9 such workers.

10 “(B) Partnering with the certified or recognized
11 union, a community-based worker organization, or
12 other duly authorized representatives of such work-
13 ers.

14 “(C) Hiring peer support workers to perform
15 sustained outreach to other workers covered by that
16 certification.

17 “(D) Using advertising methods and public in-
18 formation campaigns, including social media, in ad-
19 dition to notice published in print or digital outlets
20 under paragraph (3).”.

21 **SEC. 101105. QUALIFYING REQUIREMENTS FOR WORKERS.**

22 (a) MODIFICATION OF CONDITIONS.—

23 (1) IN GENERAL.—Section 231(a) of the Trade
24 Act of 1974 (19 U.S.C. 2291(a)) is amended—

25 (A) by striking paragraph (2);

1 (B) by redesignating paragraphs (3), (4),
2 and (5) as paragraphs (2), (3), and (4), respec-
3 tively; and

4 (C) in paragraph (4) (as redesignated), by
5 striking “paragraphs (1) and (2)” each place it
6 appears and inserting “paragraph (1)”.

7 (2) CONFORMING AMENDMENTS.—(A) Section
8 232 of the Trade Act of 1974 (19 U.S.C. 2292) is
9 amended by striking “section 231(a)(3)(B)” each
10 place it appears and inserting “section
11 231(a)(2)(B)”.

12 (B) Section 233(a) of the Trade Act of 1974
13 (19 U.S.C. 2293(a)) is amended—

14 (i) in paragraph (1), by striking “section
15 231(a)(3)(A)” and inserting “section
16 231(a)(2)(A)”; and

17 (ii) in paragraph (2)—

18 (I) by striking “adversely affected em-
19 ployment” and all that follows through
20 “(A) within” and inserting “adversely af-
21 fected employment within”;

22 (II) by striking “, and” and inserting
23 a period; and

24 (III) by striking subparagraph (B).

1 (b) WAIVERS OF TRAINING REQUIREMENTS.—Sec-
2 tion 231(c)(1) of the Trade Act of 1974 (19 U.S.C.
3 2291(c)(1)) is amended—

4 (1) by redesignating subparagraphs (A), (B),
5 and (C) as subparagraphs (C), (D), and (E), respec-
6 tively; and

7 (2) by inserting before subparagraph (C) (as re-
8 designated) the following:

9 “(A) RECALL.—The worker has been noti-
10 fied that the worker will be recalled by the firm
11 from which the separation occurred.

12 “(B) RETIREMENT.—The worker is within
13 2 years of meeting all requirements for entitle-
14 ment to either—

15 “(i) old-age insurance benefits under
16 title II of the Social Security Act (42
17 U.S.C. 401 et seq.) (except for application
18 therefor); or

19 “(ii) a private pension sponsored by
20 an employer or labor organization.”.

21 **SEC. 101106. MODIFICATION TO TRADE READJUSTMENT AL-**
22 **LOWANCES.**

23 Section 233 of the Trade Act of 1974 (19 U.S.C.
24 2293) is amended—

25 (1) in subsection (a)—

1 (A) in paragraph (2), by inserting after
2 “104-week period” the following: “(or, in the
3 case of an adversely affected worker who re-
4 quires a program of prerequisite education or
5 remedial education (as described in section
6 236(a)(5)(D)) in order to complete training ap-
7 proved for the worker under section 236, the
8 130-week period)”;

9 (B) in paragraph (3), by striking “65 addi-
10 tional weeks in the 78-week period” and insert-
11 ing “78 additional weeks in the 91-week pe-
12 riod”; and

13 (C) in the flush text, by striking “78-week
14 period” and inserting “91-week period”;

15 (2) by striking subsection (d); and

16 (3) by amending subsection (f) to read as fol-
17 lows:

18 “(f) PAYMENT OF TRADE READJUSTMENT ALLOW-
19 ANCES TO COMPLETE TRAINING.—Notwithstanding any
20 other provision of this section, in order to assist an ad-
21 versely affected worker to complete training approved for
22 the worker under section 236 that includes a program of
23 prerequisite education or remedial education (as described
24 in section 236(a)(5)(D)), and in accordance with regula-
25 tions prescribed by the Secretary, payments may be made

1 as trade readjustment allowances for up to 26 additional
2 weeks in the 26-week period that follows the last week of
3 entitlement to trade readjustment allowances otherwise
4 payable under this chapter.”.

5 **SEC. 101107. AUTOMATIC EXTENSION OF TRADE READJUST-**
6 **MENT ALLOWANCES.**

7 (a) IN GENERAL.—Part I of subchapter B of chapter
8 2 of title II of the Trade Act of 1974 (19 U.S.C. 2291
9 et seq.) is amended by inserting after section 233 the fol-
10 lowing new section:

11 **“SEC. 233A. AUTOMATIC EXTENSION OF TRADE READJUST-**
12 **MENT ALLOWANCES.**

13 “(a) IN GENERAL.—Notwithstanding the limitations
14 under section 233(a), the Secretary shall extend the period
15 during which trade readjustment allowances are payable
16 to an adversely affected worker who completes training ap-
17 proved under section 236 by the Secretary during a period
18 of heightened unemployment with respect to the State in
19 which such worker seeks benefits, for the shorter of—

20 “(1) the 26-week period beginning on the date
21 of completion of such training; or

22 “(2) the period ending on the date on which the
23 adversely affected worker secures employment.

24 “(b) JOB SEARCH REQUIRED.—A worker shall only
25 be eligible for an extension under subsection (a) if the

1 worker is complying with the job search requirements as-
2 sociated with unemployment insurance in the applicable
3 State.

4 “(c) PERIOD OF HEIGHTENED UNEMPLOYMENT DE-
5 FINED.—In this section, the term ‘period of heightened
6 unemployment’ with respect to a State means a 90-day
7 period during which, in the determination of the Sec-
8 retary, either of the following average rates equals or ex-
9 ceeds 5.5 percent:

10 “(1) The average rate of total unemployment in
11 such State (seasonally adjusted) for the period con-
12 sisting of the most recent 3-month period for which
13 data for all States are published before the close of
14 such period.

15 “(2) The average rate of total unemployment in
16 all States (seasonally adjusted) for the period con-
17 sisting of the most recent 3-month period for which
18 data for all States are published before the close of
19 such period.”.

20 (b) CLERICAL AMENDMENT.—The table of contents
21 for the Trade Act of 1974 is amended by inserting after
22 the item relating to section 233 the following:

“Sec. 233A. Automatic extension of trade readjustment allowances.”.

1 **SEC. 101108. EMPLOYMENT AND CASE MANAGEMENT SERV-**
2 **ICES.**

3 Section 235 of the Trade Act of 1974 (19 U.S.C.
4 2295) is amended—

5 (1) in paragraph (3)—

6 (A) by inserting after “regional areas” the
7 following: “(including information about reg-
8 istered apprenticeship programs, on-the-job
9 training opportunities, and other work-based
10 learning opportunities)”; and

11 (B) by inserting after “suitable training”
12 the following: “, information regarding the
13 track record of a training provider’s ability to
14 successfully place participants into suitable em-
15 ployment”;

16 (2) by redesignating paragraph (8) as para-
17 graph (10); and

18 (3) by inserting after paragraph (7) the fol-
19 lowing:

20 “(8) Information related to direct job place-
21 ment, including facilitating the extent to which em-
22 ployers within the community commit to employing
23 workers who would benefit from the employment and
24 case management services under this section.

25 “(9) Sustained outreach to groups of workers
26 likely to be certified as eligible for adjustment assist-

1 ance under this chapter and members of certified
2 worker groups who have not yet applied for or been
3 enrolled in benefits or services under this chapter,
4 especially such groups and members from under-
5 served communities.”.

6 **SEC. 101109. TRAINING.**

7 Section 236 of the Trade Act of 1974 (19 U.S.C.
8 2296(a)) is amended—

9 (1) in subsection (a)—

10 (A) in paragraph (1)(D), by inserting “,
11 with a demonstrated ability to place partici-
12 pants into employment” before the comma at
13 the end;

14 (B) in paragraph (3), by adding at the end
15 before the period the following: “, except that
16 every effort shall be made to ensure that em-
17 ployment opportunities are available upon the
18 completion of training”; and

19 (C) in paragraph (5)—

20 (i) in subparagraph (G), by striking “,
21 and” and inserting a comma;

22 (ii) in subparagraph (H)(ii), by strik-
23 ing the period at the end and inserting “,
24 and”; and

1 (iii) by adding at the end before the
2 flush text the following:

3 “(I) pre-apprenticeship training.”; and

4 (2) by adding at the end the following:

5 “(h) REIMBURSEMENT FOR OUT-OF-POCKET TRAIN-
6 ING EXPENSES.—If the Secretary approves training for
7 a worker under paragraph (1) of subsection (a), the Sec-
8 retary may reimburse the worker for out-of-pocket ex-
9 penses relating to training program described in para-
10 graph (5) of that subsection that were incurred by the
11 worker on and after the date of the worker’s total or par-
12 tial separation and before the date on which the certifi-
13 cation of eligibility under section 222 that covers the work-
14 er is issued.”.

15 **SEC. 101110. JOB SEARCH, RELOCATION, AND CHILD CARE**
16 **ALLOWANCES.**

17 (a) JOB SEARCH ALLOWANCES.—Section 237 of the
18 Trade Act of 1974 (19 U.S.C. 2297) is amended—

19 (1) in subsection (a)(1), by striking “may use
20 funds made available to the State to carry out sec-
21 tions 235 through 238” and inserting “shall use,
22 from funds made available to the State to carry out
23 sections 235 through 238A, such amounts as may be
24 necessary”;

1 (2) in subsection (a)(2), in the matter pre-
2 ceding subparagraph (A), by striking “may grant”
3 and inserting “shall grant”; and

4 (3) in subsection (b)—

5 (A) in paragraph (1), by striking “not
6 more than 90 percent” and inserting “100 per-
7 cent”;

8 (B) in paragraph (2), by striking “\$1,250”
9 and inserting “\$2,000 (subject to adjustment
10 under paragraph (4))”; and

11 (C) by adding at the end the following;

12 “(4) ADJUSTMENT OF MAXIMUM ALLOWANCE
13 LIMITATION FOR INFLATION.—

14 “(A) IN GENERAL.—The Secretary of
15 Labor shall adjust the maximum allowance limi-
16 tation under paragraph (2) on the date that is
17 30 days after the date of the enactment of this
18 paragraph, and at the beginning of each fiscal
19 year thereafter, to reflect the percentage (if
20 any) of the increase in the average of the Con-
21 sumer Price Index for the preceding 12-month
22 period compared to the Consumer Price Index
23 for fiscal year 2020.

1 “(B) SPECIAL RULES FOR CALCULATION
2 OF ADJUSTMENT.—In making an adjustment
3 under subparagraph (A), the Secretary—

4 “(i) shall round the amount of any in-
5 crease in the Consumer Price Index to the
6 nearest dollar; and

7 “(ii) may ignore any such increase of
8 less than 1 percent.

9 “(C) CONSUMER PRICE INDEX DEFINED.—
10 For purposes of this paragraph, the term ‘Con-
11 sumer Price Index’ means the Consumer Price
12 Index for All Urban Consumers published by
13 the Bureau of Labor Statistics of the Depart-
14 ment of Labor.”.

15 (b) RELOCATION ALLOWANCES.—Section 238 of the
16 Trade Act of 1974 (19 U.S.C. 2298) is amended—

17 (1) in subsection (a)(1), by striking “may use
18 funds made available to the State to carry out sec-
19 tions 235 through 238” and inserting “shall use,
20 from funds made available to the State to carry out
21 sections 235 through 238A, such amounts as may be
22 necessary”;

23 (2) in subsection (a)(2), in the matter pre-
24 ceding subparagraph (A), by striking “may be grant-
25 ed” and inserting “shall be granted”;

1 (3) in subsection (b)—

2 (A) in paragraph (1), by striking “not
3 more than 90 percent” and inserting “100 per-
4 cent”; and

5 (B) in paragraph (2), by striking “\$1,250”
6 and inserting “\$2,000 (subject to adjustment
7 under subsection (d))”; and

8 (4) by adding at the end the following:

9 “(d) ADJUSTMENT OF MAXIMUM PAYMENT LIMITA-
10 TION FOR INFLATION.—

11 “(1) IN GENERAL.—The Secretary of Labor
12 shall adjust the maximum payment limitation under
13 subsection (b)(2) on the date that is 30 days after
14 the date of the enactment of this subsection, and at
15 the beginning of each fiscal year thereafter, to re-
16 flect the percentage (if any) of the increase in the
17 average of the Consumer Price Index for the pre-
18 ceding 12-month period compared to the Consumer
19 Price Index for fiscal year 2020.

20 “(2) SPECIAL RULES FOR CALCULATION OF AD-
21 JUSTMENT.—In making an adjustment under para-
22 graph (1), the Secretary—

23 “(A) shall round the amount of any in-
24 crease in the Consumer Price Index to the near-
25 est dollar; and

1 “(B) may ignore any such increase of less
2 than 1 percent.

3 “(3) CONSUMER PRICE INDEX DEFINED.—For
4 purposes of this subsection, the term ‘Consumer
5 Price Index’ means the Consumer Price Index for
6 All Urban Consumers published by the Bureau of
7 Labor Statistics of the Department of Labor.”.

8 (c) CHILD CARE ALLOWANCES.—

9 (1) IN GENERAL.—Part II of subchapter B of
10 chapter 2 of title II of the Trade Act of 1974 (19
11 U.S.C. 2295 et seq.) is amended by adding at the
12 end the following:

13 **“SEC. 238A. CHILD CARE ALLOWANCES.**

14 “(a) CHILD CARE ALLOWANCES AUTHORIZED.—

15 “(1) IN GENERAL.—Each State shall use, from
16 funds made available to the State to carry out sec-
17 tions 235 through 238A, such amounts as may be
18 necessary to allow an adversely affected worker cov-
19 ered by a certification issued under subchapter A of
20 this chapter to file an application for a child care al-
21 lowance with the Secretary, and the Secretary may
22 grant the child care allowance, subject to the terms
23 and conditions of this section.

24 “(2) CONDITIONS FOR GRANTING ALLOW-
25 ANCE.—A child care allowance shall be granted if

1 the allowance will assist an adversely affected worker
2 to attend training or seek suitable employment, by
3 providing for the care of one or more of the minor
4 dependents of the worker.

5 “(b) AMOUNT OF ALLOWANCE.—Any child care al-
6 lowance granted to a worker under subsection (a) shall
7 not exceed \$2,000 per minor dependent per year.

8 “(c) ADJUSTMENT OF MAXIMUM ALLOWANCE LIM-
9 TATION FOR INFLATION.—

10 “(1) IN GENERAL.—The Secretary of Labor
11 shall adjust the maximum allowance limitation under
12 subsection (b) on the date that is 30 days after the
13 date of the enactment of this subsection, and at the
14 beginning of each fiscal year thereafter, to reflect
15 the percentage (if any) of the increase in the average
16 of the Consumer Price Index for the preceding 12-
17 month period compared to the Consumer Price
18 Index for fiscal year 2020.

19 “(2) SPECIAL RULES FOR CALCULATION OF AD-
20 JUSTMENT.—In making an adjustment under para-
21 graph (1), the Secretary—

22 “(A) shall round the amount of any in-
23 crease in the Consumer Price Index to the near-
24 est dollar; and

1 “(B) may ignore any such increase of less
2 than 1 percent.

3 “(3) CONSUMER PRICE INDEX DEFINED.—For
4 purposes of this subsection, the term ‘Consumer
5 Price Index’ means the Consumer Price Index for
6 All Urban Consumers published by the Bureau of
7 Labor Statistics of the Department of Labor.”.

8 (2) CONFORMING AMENDMENTS.—

9 (A) LIMITATIONS ON ADMINISTRATIVE EX-
10 PENSES AND EMPLOYMENT AND CASE MANAGE-
11 MENT SERVICES.—Section 235A of the Trade
12 Act of 1974 (19 U.S.C. 2295a) is amended in
13 the matter preceding paragraph (1) by striking
14 “through 238” and inserting “through 238A”.

15 (B) TRAINING.—Section 236(a)(2) of the
16 Trade Act of 1974 (19 U.S.C. 2296(a)(2)) is
17 amended—

18 (i) in subparagraph (A), by striking
19 “and 238” and inserting “238, and
20 238A”;

21 (ii) in subparagraph (B), by striking
22 “and 238” each place it appears and in-
23 serting “238, and 238A”;

1 (iii) in subparagraph (C)(i), by strik-
2 ing “and 238” and inserting “238, and
3 238A”;

4 (iv) in subparagraph (C)(v), by strik-
5 ing “and 238” and inserting “238, and
6 238A”; and

7 (v) in subparagraph (E), by striking
8 “and 238” each place it appears and in-
9 serting “238, and 238A”.

10 (3) CLERICAL AMENDMENT.—The table of con-
11 tents for the Trade Act of 1974 is amended by add-
12 ing after the item relating to section 238 the fol-
13 lowing new item:

“Sec. 238A. Child care allowances.”.

14 **SEC. 101111. AGREEMENTS WITH STATES.**

15 (a) COORDINATION.—Section 239(f) of the Trade Act
16 of 1974 (19 U.S.C. 2311(f)) is amended—

17 (1) by striking “(f) Any agreement” and insert-
18 ing the following:

19 “(f)(1) Any agreement”; and

20 (2) by adding at the end the following:

21 “(2) In arranging for training programs to be
22 carried out under this chapter, each cooperating
23 State agency shall, among other factors, take into
24 account and measure the progress of the extent to
25 which such programs—

1 “(A) achieve a satisfactory rate of comple-
2 tion and placement in jobs that provide a living
3 wage and that increase economic security;

4 “(B) assist workers in developing the
5 skills, networks, and experiences necessary to
6 advance along a career path;

7 “(C) assist workers from underserved com-
8 munities to establish a work history, dem-
9 onstrate success in the workplace, and develop
10 the skills that lead to entry into and retention
11 in unsubsidized employment; and

12 “(D) adequately serve individuals who face
13 the greatest barriers to employment, including
14 people with low incomes, people of color, immi-
15 grants, persons with disabilities, and formerly
16 incarcerated individuals.

17 “(3) Each cooperating State agency shall facili-
18 tate joint cooperation between training programs,
19 representatives of workers, employers, and commu-
20 nities, especially in underserved rural and urban re-
21 gions, to ensure a fair and engaging workplace that
22 balances the priorities and well-being of workers
23 with the needs of businesses.

24 “(4) Each cooperating State agency shall seek,
25 including through agreements and training programs

1 described in this subsection, to ensure the reemploy-
2 ment of adversely affected workers upon completion
3 of training as described in section 236.”.

4 (b) ADMINISTRATION.—Section 239(g) of the Trade
5 Act of 1974 (19 U.S.C. 2311(g)) is amended—

6 (1) by redesignating—

7 (A) paragraphs (1) through (4) as para-
8 graphs (3) through (6), respectively; and

9 (B) paragraph (5) as paragraph (8);

10 (2) by inserting before paragraph (3) (as redesi-
11 gnated) the following:

12 “(1) review each layoff of more than 5 workers
13 in a firm to determine whether trade played a role
14 in the layoff and whether workers in such firm are
15 potentially eligible to receive benefits under this
16 chapter,

17 “(2) perform sustained outreach to firms to fa-
18 cilitate and assist with filing petitions under section
19 221 and collecting necessary supporting informa-
20 tion,”;

21 (3) in paragraph (3) (as redesignated), by strik-
22 ing “who applies for unemployment insurance of”
23 and inserting “identified under paragraph (1) of un-
24 employment insurance benefits and”;

1 (4) in paragraph (4) (as redesignated), by in-
2 serting “and assist with” after “facilitate”;

3 (5) in paragraph (6) (as redesignated), by strik-
4 ing “and” at the end;

5 (6) by inserting after paragraph (6) (as redesi-
6 gnated) the following:

7 “(7) perform sustained outreach to workers
8 from underserved communities and to firms that em-
9 ploy a majority or a substantial percentage of work-
10 ers from underserved communities and develop a
11 plan, in consultation with the Secretary, for address-
12 ing common barriers to receiving services that such
13 workers have faced,”;

14 (7) in paragraph (8) (as redesignated), by strik-
15 ing “funds provided to carry out this chapter are in-
16 sufficient to make such services available, make ar-
17 rangements to make such services available through
18 other Federal programs” and inserting “support
19 services are needed beyond what this chapter can
20 provide, make arrangements to coordinate such serv-
21 ices available through other Federal programs” ;
22 and

23 (8) by adding at the end the following:

24 “(9) develop a strategy to engage with local
25 workforce development institutions, including local

1 community colleges and other educational institu-
2 tions, and

3 “(10) develop a comprehensive strategy to pro-
4 vide agency staffing to support the requirements of
5 paragraphs (1) through (9).”.

6 (c) STAFFING.—Section 239 of the Trade Act of
7 1974 (19 U.S.C. 2311) is amended by striking subsection
8 (k) and inserting the following:

9 “(k) STAFFING.—An agreement entered into under
10 this section shall provide that the cooperating State or co-
11 operating State agency shall require that any individual
12 engaged in functions (other than functions that are not
13 inherently governmental) to carry out the trade adjust-
14 ment assistance program under this chapter shall be a
15 State employee covered by a merit system of personnel ad-
16 ministration.”.

17 **SEC. 101112. REEMPLOYMENT TRADE ADJUSTMENT ASSIST-**
18 **ANCE PROGRAM.**

19 Section 246(a) of the Trade Act of 1974 (19 U.S.C.
20 2318(a)) is amended—

21 (1) in paragraph (3)(B)(ii), by striking
22 “\$50,000” and inserting “\$70,000 (subject to ad-
23 justment under paragraph (8))”;

1 (2) in paragraph (5)(B)(i), by striking
2 “\$10,000” and inserting “\$20,000 (subject to ad-
3 justment under paragraph (8))”; and

4 (3) by adding at the end the following:

5 “(8) ADJUSTMENT OF SALARY LIMITATION AND
6 TOTAL AMOUNT OF PAYMENTS FOR INFLATION.—

7 “(A) IN GENERAL.—The Secretary of
8 Labor shall adjust the salary limitation under
9 paragraph (3)(B)(ii) and the amount under
10 paragraph (5)(B)(i) on the date that is 30 days
11 after the date of the enactment of this para-
12 graph, and at the beginning of each fiscal year
13 thereafter, to reflect the percentage (if any) of
14 the increase in the average of the Consumer
15 Price Index for the preceding 12-month period
16 compared to the Consumer Price Index for fis-
17 cal year 2020.

18 “(B) SPECIAL RULES FOR CALCULATION
19 OF ADJUSTMENT.—In making an adjustment
20 under subparagraph (A), the Secretary—

21 “(i) shall round the amount of any in-
22 crease in the Consumer Price Index to the
23 nearest dollar; and

24 “(ii) may ignore any such increase of
25 less than 1 percent.

1 “(C) CONSUMER PRICE INDEX DEFINED.—
2 For purposes of this paragraph, the term ‘Con-
3 sumer Price Index’ means the Consumer Price
4 Index for All Urban Consumers published by
5 the Bureau of Labor Statistics of the Depart-
6 ment of Labor.”.

7 **SEC. 101113. EXTENSION OF TRADE ADJUSTMENT ASSIST-**
8 **ANCE TO PUBLIC AGENCY WORKERS.**

9 (a) DEFINITIONS.—Section 247 of the Trade Act of
10 1974 (19 U.S.C. 2319) is amended—

11 (1) in paragraph (3)—

12 (A) in the matter preceding subparagraph
13 (A), by striking “The” and inserting “Subject
14 to section 222(d)(5), the”; and

15 (B) in subparagraph (A), by striking “or
16 service sector firm” and inserting “, service sec-
17 tor firm, or public agency”; and

18 (2) by adding at the end the following:

19 “(20) The term ‘public agency’ means a depart-
20 ment or agency of a State or local government or of
21 the Federal Government.”.

22 (b) GROUP ELIGIBILITY REQUIREMENTS.—Section
23 222 of the Trade Act of 1974 (19 U.S.C. 2272), as
24 amended by subsections (b) and (c) of section 101102, is
25 further amended—

1 (1) by redesignating subsections (c), (d), (e),
2 and (f) as subsections (d), (e), (f), and (g), respec-
3 tively;

4 (2) by inserting after subsection (b) the fol-
5 lowing:

6 “(c) ADVERSELY AFFECTED WORKERS IN PUBLIC
7 AGENCIES.—A group of workers in a public agency shall
8 be certified by the Secretary as eligible to apply for adjust-
9 ment assistance under this chapter pursuant to a petition
10 filed under section 221 if the Secretary determines that—

11 “(1) a significant number or proportion of the
12 workers in the public agency have become totally or
13 partially separated, or are threatened to become to-
14 tally or partially separated;

15 “(2) the public agency has acquired from a for-
16 eign country services like or directly competitive with
17 services which are supplied by such agency; and

18 “(3) the acquisition of services described in
19 paragraph (2) contributed to such workers’ separa-
20 tion or threat of separation.”;

21 (3) in subsection (d) (as redesignated), by add-
22 ing at the end the following:

23 “(5) REFERENCE TO FIRM.—For purposes of
24 subsections (a) and (b), the term ‘firm’ does not in-
25 clude a public agency.”; and

1 (4) in paragraph (2) of subsection (e) (as redese-
2 ignated), by striking “subsection (a) or (b)” and in-
3 serting “subsection (a), (b), or (c)”.

4 **SEC. 101114. DEFINITIONS.**

5 (a) **EXTENSION OF ADJUSTMENT ASSISTANCE FOR**
6 **WORKERS TO TERRITORIES.**—Section 247(7) of the
7 Trade Act of 1974 (19 U.S.C. 2319(7)) is amended—

8 (1) by inserting “, Guam, the Virgin Islands of
9 the United States, American Samoa, the Common-
10 wealth of the Northern Mariana Islands,” after
11 “District of Columbia”; and

12 (2) by striking “such Commonwealth.” and in-
13 serting “such territories.”.

14 (b) **UNDERSERVED COMMUNITY.**—Section 247 of the
15 Trade Act of 1974 (19 U.S.C. 2319), as amended by sec-
16 tion 101113(a), is further amended by adding at the end
17 the following:

18 “(21) The term ‘underserved community’
19 means a community with populations sharing a par-
20 ticular characteristic that have been systematically
21 denied a full opportunity to participate in aspects of
22 economic, social, or civic life, such as Black, Latino,
23 and Indigenous and Native American persons, Asian
24 Americans and Pacific Islanders, other persons of
25 color, members of other minority communities, per-

1 sons with disabilities, persons who live in rural
2 areas, and other populations otherwise adversely af-
3 fected by persistent poverty or inequality.”.

4 **SEC. 101115. SUBPOENA POWER.**

5 Section 249 of the Trade Act of 1974 (19 U.S.C.
6 2321) is amended—

7 (1) in subsection (a), by adding at the end the
8 following: “The authority under the preceding sen-
9 tence includes the authority of States to require, by
10 subpoena, a firm to provide information on workers
11 employed by, or totally or partially separated from,
12 the firm that is necessary to make a determination
13 under this chapter or to provide outreach to work-
14 ers, including the names and address of workers.”;
15 and

16 (2) by adding at the end the following:

17 “(c) **ENFORCEMENT OF SUBPOENAS BY STATES.—**

18 A State may enforce compliance with a subpoena issued
19 under subsection (a)—

20 “(1) as provided for under State law; and

21 “(2) by petitioning an appropriate United
22 States district court for an order requiring compli-
23 ance with the subpoena.”.

1 **Subtitle B—Trade Adjustment**
2 **Assistance for Firms**

3 **SEC. 101201. PETITIONS AND DETERMINATIONS.**

4 Section 251 of the Trade Act of 1974 (19 U.S.C.
5 2341) is amended—

6 (1) in the second sentence of subsection (a), by
7 striking “Upon” and inserting “Not later than 15
8 days after”;

9 (2) by amending subsection (c) to read as fol-
10 lows:

11 “(c)(1) The Secretary shall certify a firm (including
12 any agricultural firm or service sector firm) as eligible to
13 apply for adjustment assistance under this chapter if the
14 Secretary determines—

15 “(A)(i) that a significant number or proportion
16 of the workers in such firm have become totally or
17 partially separated, or are threatened to become to-
18 tally or partially separated, or

19 “(ii) that—

20 “(I) sales or production, or both, of the
21 firm have decreased absolutely or failed to in-
22 crease,

23 “(II) sales or production, or both, of an ar-
24 ticle or service that accounted for not less than
25 25 percent of the total sales or production of

1 the firm during the 12-month period preceding
2 the most recent 12-month period for which data
3 are available have decreased absolutely or failed
4 to increase,

5 “(III) sales or production, or both, of the
6 firm during the most recent 12-month period
7 for which data are available have decreased or
8 failed to increase compared to—

9 “(aa) the average annual sales or pro-
10 duction for the firm during the 24-month
11 period preceding that 12-month period, or

12 “(bb) the average annual sales or pro-
13 duction for the firm during the 36-month
14 period preceding that 12-month period,
15 and

16 “(IV) sales or production, or both, of an
17 article or service that accounted for not less
18 than 25 percent of the total sales or production
19 of the firm during the most recent 12-month
20 period for which data are available have de-
21 creased or failed to increase compared to—

22 “(aa) the average annual sales or pro-
23 duction for the article or service during the
24 24-month period preceding that 12-month
25 period, or

1 “(bb) the average annual sales or pro-
2 duction for the article or service during the
3 36-month period preceding that 12-month
4 period, and

5 “(B)(i) increases of imports of articles or serv-
6 ices like or directly competitive with articles which
7 are produced or services which are supplied by such
8 firm contributed to such total or partial separation,
9 or threat thereof, or to such decline or failure to in-
10 crease in sales or production, or

11 “(ii) decreases in exports of articles produced or
12 services supplied by such firm, or imports of articles
13 or services necessary for the production of articles or
14 services supplied by such firm, contributed to such
15 total or partial separation, or threat thereof, or to
16 such decline in sales or production.

17 “(2) For purposes of paragraph (1)(B):

18 “(A) Any firm which engages in exploration or
19 drilling for oil or natural gas shall be considered to
20 be a firm producing oil or natural gas.

21 “(B) Any firm that engages in exploration or
22 drilling for oil or natural gas, or otherwise produces
23 oil or natural gas, shall be considered to be pro-
24 ducing articles directly competitive with imports of
25 oil and with imports of natural gas.”; and

1 (3) in subsection (d)—

2 (A) by striking “this section,” and insert-
3 ing “this section.”; and

4 (B) by striking “but in any event” and all
5 that follows and inserting the following: “If the
6 Secretary does not make a determination with
7 respect to a petition within 55 days after the
8 date on which an investigation is initiated
9 under subsection (a) with respect to the peti-
10 tion, the Secretary shall be deemed to have cer-
11 tified the firm as eligible to apply for adjust-
12 ment assistance under this chapter.”.

13 **SEC. 101202. APPROVAL OF ADJUSTMENT PROPOSALS.**

14 Section 252 of the Trade Act of 1974 (19 U.S.C.
15 2342) is amended—

16 (1) in the second sentence of subsection (a), by
17 adding at the end before the period the following:
18 “and an assessment of the potential employment
19 outcomes of such proposal”;

20 (2) in subsection (b)(1)(B), by striking “gives
21 adequate consideration to” and inserting “is in”;

22 (3) by redesignating subsection (c) as sub-
23 section (d); and

24 (4) by inserting after subsection (b) the fol-
25 lowing:

1 “(c) AMOUNT OF ASSISTANCE.—

2 “(1) IN GENERAL.—A firm may receive adjust-
3 ment assistance under this chapter with respect to
4 the firm’s economic adjustment proposal in an
5 amount not to exceed \$300,000, subject to adjust-
6 ment under paragraph (2) and the matching re-
7 quirement under paragraph (3).

8 “(2) ADJUSTMENT OF ASSISTANCE LIMITATION
9 FOR INFLATION.—

10 “(A) IN GENERAL.—The Secretary of
11 Commerce shall adjust the technical assistance
12 limitation under paragraph (1) on the date that
13 is 30 days after the date of the enactment of
14 this paragraph, and at the beginning of each
15 fiscal year thereafter, to reflect the percentage
16 (if any) of the increase in the average of the
17 Consumer Price Index for the preceding 12-
18 month period compared to the Consumer Price
19 Index for fiscal year 2020.

20 “(B) SPECIAL RULES FOR CALCULATION
21 OF ADJUSTMENT.—In making an adjustment
22 under subparagraph (A), the Secretary—

23 “(i) shall round the amount of any in-
24 crease in the Consumer Price Index to the
25 nearest dollar; and

1 “(ii) may ignore any such increase of
2 less than 1 percent.

3 “(C) CONSUMER PRICE INDEX DEFINED.—
4 For purposes of this paragraph, the term ‘Con-
5 sumer Price Index’ means the Consumer Price
6 Index for All Urban Consumers published by
7 the Bureau of Labor Statistics of the Depart-
8 ment of Labor.

9 “(3) MATCHING REQUIREMENT.—A firm may
10 receive adjustment assistance under this chapter
11 only if the firm provides matching funds in an
12 amount equal to the amount of adjustment assist-
13 ance received under paragraph (1).”.

14 **SEC. 101203. TECHNICAL ASSISTANCE.**

15 Section 253(a)(3) of the Trade Act of 1974 (19
16 U.S.C. 2343(a)(3)) is amended by adding at the end be-
17 fore the period the following: “, including assistance to
18 provide skills training programs to employees of the firm”.

19 **SEC. 101204. DEFINITIONS.**

20 Section 259 of the Trade Act of 1974 (19 U.S.C.
21 2351) is amended by adding at the end the following:

22 “(3) UNDERSERVED COMMUNITY.—The term
23 ‘underserved community’ has the meaning given that
24 term in section 247.”.

1 **SEC. 101205. PLAN FOR SUSTAINED OUTREACH TO POTEN-**
2 **TIALY-ELIGIBLE FIRMS.**

3 (a) IN GENERAL.—Chapter 3 of title II of the Trade
4 Act of 1974 (19 U.S.C. 2341 et seq.) is amended by add-
5 ing at the end the following:

6 **“SEC. 263. PLAN FOR SUSTAINED OUTREACH TO POTEN-**
7 **TIALY-ELIGIBLE FIRMS.**

8 “(a) IN GENERAL.—The Secretary shall develop a
9 plan to provide sustained outreach to firms that may be
10 eligible for adjustment assistance under this chapter.

11 “(b) MATTERS TO BE INCLUDED.—The plan re-
12 quired by paragraph (1) shall include the following:

13 “(1) Outreach to the United States Inter-
14 national Trade Commission and to such firms in in-
15 dustries with increased imports identified in the
16 Commission’s annual report regarding the operation
17 of the trade agreements program under section
18 163(c).

19 “(2) Outreach to such firms in the service sec-
20 tor.

21 “(3) Outreach to such firms that are small
22 businesses.

23 “(4) Outreach to such firms that are minority-
24 or women-owned firms.

1 “(5) Outreach to such firms that employ a ma-
2 jority or a substantial percentage of workers from
3 underserved communities.

4 “(c) UPDATES.—The Secretary shall update the plan
5 required under this section on an annual basis.

6 “(d) SUBMISSION TO CONGRESS.—The Secretary
7 shall submit the plan and each update to the plan required
8 under this section to Congress.”.

9 (b) CLERICAL AMENDMENT.—The table of contents
10 for the Trade Act of 1974 is amended by inserting after
11 the item relating to section 262 the following new item:

 “Sec. 263. Plan for sustained outreach to potentially-eligible firms.”.

12 **Subtitle C—Trade Adjustment As-**
13 **sistance for Communities and**
14 **Community Colleges**

15 **SEC. 101301. TRADE ADJUSTMENT ASSISTANCE FOR COM-**
16 **MUNITIES.**

17 (a) IN GENERAL.—Chapter 4 of title II of the Trade
18 Act of 1974 (19 U.S.C. 2371 et seq.) is amended—

19 (1) by inserting after the chapter heading the
20 following:

21 **“Subchapter B—Trade Adjustment Assistance**
22 **for Community Colleges and Career**
23 **Training”; and**

24 (2) by redesignating sections 271 and 272 as
25 sections 279 and 279A, respectively; and

1 (3) by inserting before subchapter B (as des-
2 ignated by paragraph (1)) the following:

3 **“Subchapter A—Trade Adjustment Assistance**
4 **for Communities**

5 **“SEC. 271. DEFINITIONS.**

6 “In this subchapter:

7 “(1) AGRICULTURAL COMMODITY PRODUCER.—

8 The term ‘agricultural commodity producer’ has the
9 meaning given that term in section 291.

10 “(2) COMMUNITY.—The term ‘community’
11 means—

12 “(A) a city or other political subdivision of
13 a State, including a special purpose unit of a
14 State or local government engaged in economic
15 or infrastructure development activities, or a
16 consortium of political subdivisions;

17 “(B) an Economic Development District
18 designated by the Economic Development Ad-
19 ministration of the Department of Commerce;
20 or

21 “(C) an Indian Tribe.

22 “(3) ELIGIBLE COMMUNITY.—The term ‘eligible
23 community’ means a community that is impacted by
24 trade under section 273(a)(2) and is determined to
25 be eligible for assistance under this subchapter.

1 “(4) ELIGIBLE ENTITY.—The term ‘eligible en-
2 tity’ means—

3 “(A) an eligible community;

4 “(B) an institution of higher education or
5 a consortium of institutions of higher education;
6 or

7 “(C) a public or private nonprofit organi-
8 zation or association acting in cooperation with
9 officials of a political subdivision of a State.

10 “(4) SECRETARY.—The term ‘Secretary’ means
11 the Secretary of Commerce.

12 “(5) UNDERSERVED COMMUNITY.—The term
13 ‘underserved community’ has the meaning given that
14 term in section 247.

15 **“SEC. 272. ESTABLISHMENT OF TRADE ADJUSTMENT AS-**
16 **SISTANCE FOR COMMUNITIES PROGRAM.**

17 “The Secretary, acting through the Assistant Sec-
18 retary for Economic Development, shall, not later than
19 180 days after the date of enactment of this subchapter,
20 establish a program to provide communities impacted by
21 trade with assistance in accordance with the requirements
22 of this subchapter.

23 **“SEC. 273. ELIGIBILITY; NOTIFICATION OF ELIGIBILITY.**

24 “(a) ELIGIBILITY.—

1 “(1) IN GENERAL.—A community shall be eligi-
2 ble for assistance under this subchapter if the com-
3 munity is a community impacted by trade under
4 paragraph (2).

5 “(2) COMMUNITY IMPACTED BY TRADE.—A
6 community is impacted by trade if it meets each of
7 the following requirements:

8 “(A) One or more of the following certifi-
9 cations are made with respect to the commu-
10 nity:

11 “(i) By the Secretary of Labor, that a
12 group of workers located in the community
13 is eligible to apply for assistance under
14 section 223.

15 “(ii) By the Secretary of Commerce,
16 that a firm located in the community is eli-
17 gible to apply for adjustment assistance
18 under section 251.

19 “(iii) By the Secretary of Agriculture,
20 that a group of agricultural commodity
21 producers located in the community is eli-
22 gible to apply for adjustment assistance
23 under section 293.

24 “(B) The community—

1 “(i) applies for assistance not later
2 than 180 days after the date on which the
3 most recent certification described in sub-
4 paragraph (A) is made; or

5 “(ii) in the case of a community with
6 respect to which one or more such certifi-
7 cations were made on or after January 1,
8 1994, and before the date of the enactment
9 of this subchapter, applies for assistance
10 not later than September 30, 2024.

11 “(C) The community—

12 “(i) has a per capita income of 80
13 percent or less of the national average;

14 “(ii) has an unemployment rate that
15 is, for the most recent 24-month period for
16 which data are available, at least 1 percent
17 greater than the national average unem-
18 ployment rate; or

19 “(iii) is significantly affected by a loss
20 of, or threat to, the jobs associated with
21 any certification described in subparagraph
22 (A), or the community is undergoing tran-
23 sition of its economic base as a result of
24 changing trade patterns, as determined by
25 the Secretary.

1 “(b) NOTIFICATION OF ELIGIBILITY.—If one or more
2 certifications described in subsection (a)(2)(A) are made
3 with respect to a community, the applicable Secretary with
4 respect to such certification shall concurrently, notify the
5 Governor of the State in which the community is located
6 of the ability of the community to apply for assistance
7 under this section.

8 **“SEC. 274. GRANTS TO ELIGIBLE COMMUNITIES.**

9 “(a) IN GENERAL.—The Secretary may—

10 “(1) upon the application of an eligible commu-
11 nity, award a grant under this section to the com-
12 munity to assist in developing or updating a stra-
13 tegic plan that meets the requirements of section
14 275; or

15 “(2) upon the application of an eligible entity,
16 award an implementation grant under this section to
17 the entity to assist in implementing projects included
18 in a strategic plan that meets the requirements of
19 section 275.

20 “(b) SPECIAL PROVISIONS.—

21 “(1) REVOLVING LOAN FUND GRANTS.—

22 “(A) IN GENERAL.—The Secretary shall
23 maintain the proper operation and financial in-
24 tegrity of revolving loan funds established by el-
25 igible entities with assistance under this section.

1 “(B) EFFICIENT ADMINISTRATION.—The
2 Secretary may—

3 “ (i) at the request of an eligible enti-
4 ty, amend and consolidate grant agree-
5 ments governing revolving loan funds to
6 provide flexibility with respect to lending
7 areas and borrower criteria; and

8 “ (ii) assign or transfer assets of a re-
9 volving loan fund to third party for the
10 purpose of liquidation, and the third party
11 may retain assets of the fund to defray
12 costs related to liquidation.

13 “(C) TREATMENT OF ACTIONS.—An action
14 taken by the Secretary under this subsection
15 with respect to a revolving loan fund shall not
16 constitute a new obligation if all grant funds
17 associated with the original grant award have
18 been disbursed to the recipient.

19 “(2) USE OF FUNDS IN PROJECTS CON-
20 STRUCTED UNDER PROJECT COST.—

21 “(A) IN GENERAL.—In the case of a grant
22 for a construction project under this section, if
23 the Secretary determines, before closeout of the
24 project, that the cost of the project, based on
25 the designs and specifications that were the

1 basis of the grant, has decreased because of de-
2 creases in costs, the Secretary may approve the
3 use of the excess funds (or a portion of the ex-
4 cess funds) to improve the project.

5 “(B) OTHER USES OF EXCESS FUNDS.—
6 Any amount of excess funds remaining after ap-
7 plication of subparagraph (A) may be used by
8 the Secretary for providing assistance under
9 this section.

10 “(c) COORDINATION.—If an eligible institution (as
11 such term is defined in section 279) located in an eligible
12 community is seeking a grant under section 279 at the
13 same time the community is seeking an implementation
14 grant under subsection (a)—

15 “(1) the Secretary, upon receipt of such infor-
16 mation from the Secretary of Labor as required
17 under section 279(e), shall notify the community
18 that the institution is seeking a grant under section
19 279; and

20 “(2) the community shall provide to the Sec-
21 retary, in coordination with the institution, a de-
22 scription of how the community will integrate
23 projects included in the strategic plan with the spe-
24 cific project for which the institution submits the
25 grant proposal under section 279.

1 “(d) LIMITATION.—The total amount of grants
2 awarded with respect to an eligible community under this
3 section for fiscal years 2022 through 2026 may not exceed
4 \$25,000,000.

5 “(e) PRIORITY.—The Secretary shall, in awarding
6 grants under this section, provide higher levels of funding
7 with respect to eligible communities that have a history
8 of economic distress and long-term unemployment, as de-
9 termined by the Secretary.

10 “(f) GEOGRAPHIC DIVERSITY.—

11 “(1) IN GENERAL.—The Secretary shall, in
12 awarding grants under this section, ensure that
13 grants are awarded with respect to eligible commu-
14 nities from geographically diverse areas.

15 “(2) GEOGRAPHIC REGION REQUIREMENT.—

16 The Secretary shall, in meeting the requirement
17 under paragraph (1), award a grant under this sec-
18 tion for each of the fiscal years 2022 through 2026
19 to at least one eligible community located in each ge-
20 ographic region for which regional offices of the
21 Economic Development Administration of the De-
22 partment of Commerce are responsible, to the extent
23 that the Secretary receives an application from at
24 least one eligible community in each such geographic
25 region.

1 **“SEC. 275. STRATEGIC PLANS.**

2 “(a) IN GENERAL.—A strategic plan meets the re-
3 quirements of this section if—

4 “(1) the consultation requirements of sub-
5 section (b) are met with respect to the development
6 of the plan;

7 “(2) the plan meets the requirements of sub-
8 section (c); and

9 “(3) the plan is approved in accordance with
10 the requirements of subsection (d).

11 “(b) CONSULTATION.—

12 “(1) IN GENERAL.—To the extent practicable,
13 an eligible community shall consult with the entities
14 described in paragraph (2) in developing the stra-
15 tegic plan.

16 “(2) ENTITIES DESCRIBED.—The entities de-
17 scribed in this paragraph are public and private en-
18 tities located in or serving the eligible community,
19 including—

20 “(A) local, county, or State government
21 agencies;

22 “(B) firms, including small- and medium-
23 sized firms;

24 “(C) local workforce investment boards;

1 “(D) labor organizations, including State
2 labor federations and labor-management initia-
3 tives, representing workers in the community;

4 “(E) educational institutions, local edu-
5 cational agencies, and other training providers;
6 and

7 “(F) local civil rights organizations and
8 community-based organizations, including orga-
9 nizations representing underserved commu-
10 nities.

11 “(c) CONTENTS.—The strategic plan may contain, as
12 applicable to the community, the following:

13 “(1) A description and analysis of the capacity
14 of the eligible community to achieve economic ad-
15 justment to the impact of trade.

16 “(2) An analysis of the economic development
17 challenges and opportunities facing the community,
18 including the strengths and weaknesses of the econ-
19 omy of the community.

20 “(3) An assessment of—

21 “(A) the commitment of the community to
22 carry out the strategic plan on a long-term
23 basis;

1 “(B) the participation and input of mem-
2 bers of the community who are dislocated from
3 employment due to the impact of trade; and

4 “(C) the extent to which underserved com-
5 munities have been impacted by trade.

6 “(4) A description of how underserved commu-
7 nities will benefit from the strategic plan.

8 “(5) A description of the role of the entities de-
9 scribed in subsection (b)(2) in developing the stra-
10 tegic plan.

11 “(6) A description of projects under the stra-
12 tegic plan to facilitate the community’s economic ad-
13 justment to the impact of trade, including projects
14 to—

15 “(A) develop public facilities, public serv-
16 ices, jobs, and businesses (including establishing
17 a revolving loan fund);

18 “(B) provide for planning and technical as-
19 sistance;

20 “(C) provide for training;

21 “(D) provide for the demolition of vacant
22 or abandoned commercial, industrial, or resi-
23 dential property;

24 “(E) redevelop brownfields;

25 “(F) establish or support land banks;

1 “(G) support energy conservation; and

2 “(H) support historic preservation.

3 “(7) A strategy for continuing the community’s
4 economic adjustment to the impact of trade after the
5 completion of such projects.

6 “(8) A description of the educational and train-
7 ing programs and the potential employment opportu-
8 nities available to workers in the community, includ-
9 ing for workers under the age of 25, and the future
10 employment needs of the community.

11 “(9) An assessment of—

12 “(A) the cost of implementing the strategic
13 plan; and

14 “(B) the timing of funding required by the
15 community to implement the strategic plan.

16 “(10) A description of the methods of financing
17 to be used to implement the strategic plan, includ-
18 ing—

19 “(A) an implementation grant received
20 under section 274 or under other authorities;

21 “(B) a loan, including the establishment of
22 a revolving loan fund; or

23 “(C) other types of financing.

1 “(11) An assessment of how the community will
2 address unemployment among agricultural com-
3 modity producers, if applicable.

4 “(d) APPROVAL; CEDS EQUIVALENT.—

5 “(1) APPROVAL.—The Secretary shall approve
6 the strategic plan developed by an eligible commu-
7 nity under this section if the Secretary determines
8 that the strategic plan meets the requirements of
9 this section.

10 “(2) CEDS OR EQUIVALENT.—The Secretary
11 may deem an eligible community’s Comprehensive
12 Economic Development Strategy that substantially
13 meets the requirements of this section to be an ap-
14 proved strategic plan for purposes of this sub-
15 chapter.

16 “(e) ALLOCATION.—Of the funds appropriated to
17 carry out this chapter for each of the fiscal years 2022
18 through 2026, the Secretary may make available not more
19 than \$50,000,000 to award grants under section
20 274(a)(1).

21 **“SEC. 276. COORDINATION OF FEDERAL RESPONSE AND**
22 **OTHER ADDITIONAL TECHNICAL ASSIST-**
23 **ANCE.**

24 “(a) IN GENERAL.—The Secretary shall coordinate
25 the Federal response with respect to an eligible community

1 that is awarded an implementation grant under section
2 274(a)(2) to implement the community's strategic plan
3 that meets the requirements of section 275 by—

4 “(1) identifying and consulting, as appropriate,
5 with any other Federal, State, regional, or local gov-
6 ernment agency;

7 “(2) assisting the community to access assist-
8 ance from other available Federal sources as nec-
9 essary to fulfill the community's strategic plan devel-
10 oped under section 275; and

11 “(3) ensuring that such assistance is provided
12 in a targeted, integrated manner.

13 “(b) TRANSFER OF FUNDS.—

14 “(1) TRANSFER OF FUNDS TO OTHER FEDERAL
15 AGENCIES.—Funds appropriated to carry out this
16 chapter may be transferred between Federal agen-
17 cies, if the funds are used for the purposes for which
18 the funds are specifically appropriated.

19 “(2) TRANSFER OF FUNDS FROM OTHER FED-
20 ERAL AGENCIES.—

21 “(A) IN GENERAL.—Subject to subpara-
22 graph (B), for the purposes of this chapter, the
23 Secretary may accept transfers of funds from
24 other Federal agencies if the funds are used for
25 the purposes for which (and in accordance with

1 the terms under which) the funds are specifi-
2 cally appropriated.

3 “(B) USE OF FUNDS.—The transferred
4 funds—

5 “(i) shall remain available until ex-
6 pended; and

7 “(ii) may, to the extent necessary to
8 carry out this chapter, be transferred to
9 and merged by the Secretary with the ap-
10 propriations for salaries and expenses.

11 “(c) ADDITIONAL TECHNICAL ASSISTANCE.—In ad-
12 dition to the coordination and assistance described in sub-
13 section (a), the Secretary shall provide technical assistance
14 for communities—

15 “(1) to identify significant impediments to eco-
16 nomic development that result from the impact of
17 trade on the community, including in the course of
18 developing a strategic plan under section 275; and

19 “(2) to access assistance under other available
20 sources, including State, local, or private sources, to
21 implement projects that diversify and strengthen the
22 economy in the community.

23 **“SEC. 277. GENERAL PROVISIONS.**

24 “(a) REGULATIONS.—

1 “(1) IN GENERAL.—The Secretary shall, sub-
2 ject to paragraph (3), promulgate such regulations
3 as may be necessary to carry out this subchapter, in-
4 cluding with respect to—

5 “(A) administering the awarding of grants
6 under section 274, including establishing guide-
7 lines for the submission and evaluation of grant
8 applications under such section; and

9 “(B) establishing guidelines for the evalua-
10 tion of strategic plans developed to meet the re-
11 quirements of section 275.

12 “(2) CONSULTATIONS.—The Secretary shall
13 consult with the Committee on Ways and Means of
14 the House of Representatives and the Committee on
15 Finance of the Senate not later than 90 days prior
16 to promulgating any final rule or regulation under
17 this subsection.

18 “(3) RELATIONSHIP TO EXISTING REGULA-
19 TIONS.—The Secretary, to the maximum extent
20 practicable, shall—

21 “(A) rely on and apply regulations promul-
22 gated to carry out other economic development
23 programs of the Department of Commerce in
24 carrying out this subchapter; and

1 “(B) provide guidance regarding the man-
2 ner and extent to which such other economic
3 development programs relate to this subchapter.

4 “(b) RESOURCES.—The Secretary shall allocate such
5 resources as may be necessary to provide sufficiently indi-
6 vidualized assistance to each eligible community that re-
7 ceives a grant under section 274(a) or seeks technical as-
8 sistance under section 276(c) to develop and implement
9 a strategic plan that meets the requirements of section
10 275.”.

11 (b) CLERICAL AMENDMENT.—The table of contents
12 for the Trade Act of 1974 is amended by striking the
13 items relating to chapter 4 of title II and inserting the
14 following:

“CHAPTER 4—TRADE ADJUSTMENT ASSISTANCE FOR COMMUNITIES

“SUBCHAPTER A—TRADE ADJUSTMENT ASSISTANCE FOR COMMUNITIES

“Sec. 271. Definitions.

“Sec. 272. Establishment of trade adjustment assistance for communities pro-
gram.

“Sec. 273. Eligibility; notification of eligibility.

“Sec. 274. Grants to eligible communities.

“Sec. 275. Strategic plans.

“Sec. 276. Coordination of Federal response and other additional technical as-
sistance.

“Sec. 277. General provisions.

“SUBCHAPTER B—COMMUNITY COLLEGE AND CAREER TRAINING GRANT
PROGRAM

“Sec. 279. Community College and Career Training Grant Program.

“Sec. 279A. Authorization of appropriations.”.

1 **SEC. 101302. TRADE ADJUSTMENT ASSISTANCE FOR COM-**
2 **MUNITY COLLEGES AND CAREER TRAINING.**

3 Section 279 of the Trade Act of 1974, as redesi-
4 gned by section 101301(a)(2), is amended as follows:

5 (1) In subsection (a)—

6 (A) in paragraph (1), by striking “eligible
7 institutions” and inserting “eligible entities”;
8 and

9 (B) in paragraph (2)—

10 (i) in the matter preceding subpara-
11 graph (A), by striking “eligible institution”
12 and inserting “eligible entity”; and

13 (ii) in subparagraph (B)—

14 (I) by striking “\$1,000,000” and
15 inserting “\$2,500,000”;

16 (II) by striking “(B)” and insert-
17 ing “(B)(i) in the case of an eligible
18 institution,”;

19 (III) by striking the period at the
20 end and inserting “; or”; and

21 (IV) by adding at the end the fol-
22 lowing:

23 “(ii) in the case of a consortium of eligible
24 institutions, a grant under this section in excess
25 of \$15,000,000.”.

1 (2) In subsection (b), by adding at the end the
2 following:

3 “(3) ELIGIBLE ENTITY.—The term ‘eligible en-
4 tity’ means an eligible institution or a consortium of
5 eligible institutions.

6 “(4) UNDERSERVED COMMUNITY.—The term
7 ‘underserved community’ has the meaning given that
8 term in section 247.”.

9 (3) In subsection (c)—

10 (A) by striking “eligible institution” each
11 place it appears and inserting “eligible entity”;
12 and

13 (B) in paragraph (5)(A)(i)—

14 (i) in subclause (I), by striking “and”
15 at the end; and

16 (ii) by adding at the end the fol-
17 lowing:

18 “(III) any opportunities to sup-
19 port industry or sector partnerships to
20 develop or expand quality academic
21 programs and curricula; and”.

22 (4) In subsection (d), by striking “eligible insti-
23 tution” each place it appears and inserting “eligible
24 entity”.

1 (5) By redesignating subsection (e) as sub-
2 section (h) and inserting after subsection (d) the fol-
3 lowing:

4 “(e) USE OF FUNDS.—

5 “(1) IN GENERAL.—An eligible entity shall use
6 a grant awarded under this section to establish and
7 scale career training programs, including career and
8 technical education programs, and career pathways
9 and supports for students participating in such pro-
10 grams.

11 “(2) STUDENT SUPPORT AND EMERGENCY
12 SERVICES.—Not less than 15 percent of the amount
13 of a grant awarded to an eligible entity under this
14 section shall be used to carry out student support
15 services, which may include the following:

16 “(A) Supportive services, including
17 childcare, transportation, mental health serv-
18 ices, or substance use disorder prevention and
19 treatment, assistance in obtaining health insur-
20 ance coverage, housing, and other benefits, as
21 appropriate.

22 “(B) Connecting students to State or Fed-
23 eral means-tested benefits programs.

24 “(C) The provision of direct financial as-
25 sistance to help students facing financial hard-

1 ships that may impact enrollment in or comple-
2 tion of a program supported by such funds.

3 “(D) Navigation, coaching, mentorship,
4 and case management services, including pro-
5 viding information and outreach to the popu-
6 lation described in subparagraph (C) to take
7 part in such a program.

8 “(E) Providing access to necessary sup-
9 plies, materials, technological devices, or re-
10 quired equipment, and other supports necessary
11 to participate in such a program.

12 “(f) PLAN FOR OUTREACH TO UNDERSERVED COM-
13 MUNITIES.—

14 “(1) IN GENERAL.—In awarding grants under
15 this section, the Secretary shall—

16 “(A) ensure that eligible institutions effec-
17 tively serve individuals from underserved com-
18 munities; and

19 “(B) develop a plan to ensure that grants
20 provided under this subchapter effectively serve
21 individuals from underserved communities.

22 “(2) UPDATES.—The Secretary shall update
23 the plan required by paragraph (1)(B) on an annual
24 basis.

1 “(3) SUBMISSION TO CONGRESS.—The Sec-
2 retary shall submit the plan required by paragraph
3 (1)(B) and each update to the plan required by
4 paragraph (2) to Congress.

5 “(g) GEOGRAPHIC DIVERSITY.—The Secretary shall,
6 in awarding grants under this section, ensure that grants
7 are awarded with respect to eligible entities from geo-
8 graphically diverse areas.”.

9 **Subtitle D—Trade Adjustment** 10 **Assistance for Farmers**

11 **SEC. 101401. DEFINITIONS.**

12 Section 291 of the Trade Act of 1974 (19 U.S.C.
13 2401) is amended—

14 (1) by striking paragraph (3);

15 (2) by redesignating paragraphs (4) through
16 (7) as paragraphs (3) through (6), respectively; and

17 (3) by adding at the end the following:

18 “(7) UNDERSERVED COMMUNITY.—The term
19 ‘underserved community’ has the meaning given that
20 term in section 247.”.

21 **SEC. 101402. GROUP ELIGIBILITY REQUIREMENTS.**

22 Section 292 of the Trade Act of 1974 (19 U.S.C.
23 2401a) is amended—

24 (1) in subsection (c)—

25 (A) in paragraph (1)—

1 (i) by striking “85 percent of” each
2 place it appears; and

3 (ii) in subparagraph (D), by adding
4 “and” at the end;

5 (B) in paragraph (2), by striking “(2)”
6 and inserting “(2)(A)(i)”;

7 (C) by redesignating paragraph (3) as
8 clause (ii) of paragraph (2)(A) (as designated
9 by subparagraph (B));

10 (D) in clause (ii) of paragraph (2)(A) (as
11 redesignated by subparagraph (C))—

12 (i) by striking “importantly”; and

13 (ii) by striking the period at the end
14 and inserting “; or” ; and

15 (E) in paragraph (2), by adding at the end
16 the following:

17 “(B)(i) the volume of exports of the agricultural
18 commodity produced by the group in the marketing
19 year with respect to which the group files the peti-
20 tion decreased compared to the average volume of
21 such exports during the 3 marketing years preceding
22 such marketing year; and

23 “(ii) the decrease in such exports contributed to
24 the decrease in the national average price, quantity
25 of production, or value of production of, or cash re-

1 receipts for, the agricultural commodity, as described
2 in paragraph (1).”; and

3 (2) in subsection (e)(3), by adding at the end
4 before the period the following: “or exports”.

5 **SEC. 101403. BENEFIT INFORMATION TO AGRICULTURAL**
6 **COMMODITY PRODUCERS.**

7 Section 295(a) of the Trade Act of 1974 (19 U.S.C.
8 2401d(a)) is amended by adding at the end the following:
9 “The Secretary shall develop a plan to conduct targeted
10 sustained outreach and offer assistance to agricultural
11 commodity producers from underserved communities”.

12 **SEC. 101404. QUALIFYING REQUIREMENTS AND BENEFITS**
13 **FOR AGRICULTURAL COMMODITY PRO-**
14 **DUCERS.**

15 Section 296 of the Trade Act of 1974 (19 U.S.C.
16 2401e) is amended—

17 (1) in subsection (a)(1)(A), by striking “90
18 days” and inserting “120 days”;

19 (2) in subsection (b)—

20 (A) in paragraph (3)(B), by striking
21 “\$4,000” and inserting “\$12,000”; and

22 (B) in paragraph (4)(C), by striking
23 “\$8,000” and inserting “\$24,000”;

24 (3) in subsection (c), by striking “\$12,000” and
25 inserting “\$36,000”; and

1 (4) by adding at the end the following new sub-
2 section:

3 “(e) ADJUSTMENTS FOR INFLATION.—

4 “(1) IN GENERAL.—The Secretary of Agri-
5 culture shall adjust each dollar amount limitation
6 described in this section on the date that is 30 days
7 after the date of the enactment of this subsection,
8 and at the beginning of each fiscal year thereafter,
9 to reflect the percentage (if any) of the increase in
10 the average of the Consumer Price Index for the
11 preceding 12-month period compared to the Con-
12 sumer Price Index for fiscal year 2020.

13 “(2) SPECIAL RULES FOR CALCULATION OF AD-
14 JUSTMENT.—In making an adjustment under para-
15 graph (1), the Secretary—

16 “(A) shall round the amount of any in-
17 crease in the Consumer Price Index to the near-
18 est dollar; and

19 “(B) may ignore any such increase of less
20 than 1 percent.

21 “(3) CONSUMER PRICE INDEX DEFINED.—For
22 purposes of this subsection, the term ‘Consumer
23 Price Index’ means the Consumer Price Index for
24 All Urban Consumers published by the Bureau of
25 Labor Statistics of the Department of Labor.”.

1 **Subtitle E—Authorizations of**
2 **Appropriations and Other Matters**

3 **SEC. 101501. EXTENSION OF TRADE ADJUSTMENT ASSIST-**
4 **ANCE PROGRAM.**

5 (a) EXTENSION OF TERMINATION PROVISIONS.—
6 Section 285 of the Trade Act of 1974 (19 U.S.C. 2271
7 note) is amended by striking “2021” each place it appears
8 and inserting “2028”.

9 (b) TRAINING FUNDS.—Section 236(a)(2)(A) of the
10 Trade Act of 1974 (19 U.S.C. 2296(a)(2)(A)) , as amend-
11 ed by section 133110(c)(2)(B), is further amended—

12 (1) by striking “shall not exceed \$450,000,000”
13 and inserting the following: “shall not exceed—
14 “(i) \$450,000,000”;

15 (2) by striking the period at the end and insert-
16 ing “; and”; and

17 (3) by adding at the end the following:
18 “(ii) \$1,000,000,000 for each of the fiscal years 2022
19 through 2028.”.

20 (c) REEMPLOYMENT TRADE ADJUSTMENT ASSIST-
21 ANCE.—Section 246(b)(1) of the Trade Act of 1974 (19
22 U.S.C. 2318(b)(1)) is amended by striking “2021” and
23 inserting “2028”.

24 (d) AUTHORIZATIONS OF APPROPRIATIONS.—

1 (1) TRADE ADJUSTMENT ASSISTANCE FOR
2 WORKERS.—Section 245 of the Trade Act of 1974
3 (19 U.S.C. 2317) is amended—

4 (A) in subsection (a), by striking “2021”
5 and inserting “2028”; and

6 (B) by adding at the end the following:

7 “(d) RESERVATION BY THE SECRETARY.—Of the
8 funds appropriated to carry out this chapter for any fiscal
9 year, the Secretary of Labor may reserve not more than
10 0.5 percent for technical assistance, pilots and demonstra-
11 tions, and the evaluation of activities carried out under
12 this chapter.”.

13 (2) TRADE ADJUSTMENT ASSISTANCE FOR
14 FIRMS.—Section 255(a) of the Trade Act of 1974
15 (19 U.S.C. 2345(a)) is amended in the first sentence
16 by adding at the end before the period the following:
17 “and \$50,000,000 for each of the fiscal years 2022
18 through 2028”.

19 (3) TRADE ADJUSTMENT ASSISTANCE FOR
20 FARMERS.—Section 298 of the Trade Act of 1974
21 (19 U.S.C. 2401g(a)) is amended—

22 (A) in subsection (a)—

23 (i) by striking “\$90,000,000” and in-
24 serting “\$50,000,000”; and

1 (ii) by striking “2021” and inserting
2 “2028”; and

3 (B) by adding at the end the following:

4 “(c) RESERVATION BY THE SECRETARY.—Of the
5 funds appropriated to carry out this chapter for any fiscal
6 year, the Secretary of Agriculture may not reserve more
7 than 5 percent for technical assistance, pilots and dem-
8 onstrations, and the evaluation of activities carried out
9 under this chapter.”.

10 **SEC. 101502. APPLICABILITY OF TRADE ADJUSTMENT AS-**
11 **SISTANCE PROVISIONS.**

12 (a) WORKERS CERTIFIED BEFORE DATE OF ENACT-
13 MENT.—

14 (1) IN GENERAL.—Except as provided in para-
15 graphs (2) and (3), a worker certified as eligible for
16 adjustment assistance under section 222 of the
17 Trade Act of 1974 before the date of the enactment
18 of this Act shall be eligible, on and after such date
19 of enactment, to receive benefits only under the pro-
20 visions of chapter 2 of title II of the Trade Act of
21 1974, as in effect on such date of enactment, or as
22 such provisions may be amended after such date of
23 enactment.

24 (2) COMPUTATION OF MAXIMUM BENEFITS.—
25 Benefits received by a worker described in para-

1 graph (1) under chapter 2 of title II of the Trade
2 Act of 1974 before the date of the enactment of this
3 Act shall be included in any determination of the
4 maximum benefits for which the worker is eligible
5 under the provisions of chapter 2 of title II of the
6 Trade Act of 1974, as in effect on the date of the
7 enactment of this Act, or as such provisions may be
8 amended after such date of enactment.

9 (3) AUTHORITY TO MAKE ADJUSTMENTS TO
10 BENEFITS.—For the 90-day period beginning on the
11 date of the enactment of this Act, the Secretary is
12 authorized to make any adjustments to benefits to
13 workers described in paragraph (1) that the Sec-
14 retary determines to be necessary and appropriate in
15 applying and administering the provisions of chapter
16 2 of title II of the Trade Act of 1974, as in effect
17 on the date of the enactment of this Act, or as such
18 provisions may be amended after such date of enact-
19 ment, in a manner that ensures parity of treatment
20 between the benefits of such workers and the bene-
21 fits of workers certified after such date of enact-
22 ment.

23 (b) WORKERS NOT CERTIFIED PURSUANT TO CER-
24 TAIN PETITIONS FILED BEFORE DATE OF ENACT-
25 MENT.—

1 (1) CERTIFICATIONS OF WORKERS NOT CER-
2 TIFIED BEFORE DATE OF ENACTMENT.—

3 (A) CRITERIA IF A DETERMINATION HAS
4 NOT BEEN MADE.—If, as of the date of the en-
5 actment of this Act, the Secretary of Labor has
6 not made a determination with respect to
7 whether to certify a group of workers as eligible
8 to apply for adjustment assistance under sec-
9 tion 222 of the Trade Act of 1974 pursuant to
10 a petition described in subparagraph (C), the
11 Secretary shall make that determination based
12 on the requirements of section 222 of the Trade
13 Act of 1974, as in effect on such date of enact-
14 ment.

15 (B) RECONSIDERATION OF DENIALS OF
16 CERTIFICATIONS.—If, before the date of the en-
17 actment of this Act, the Secretary made a de-
18 termination not to certify a group of workers as
19 eligible to apply for adjustment assistance
20 under section 222 of the Trade Act of 1974
21 pursuant to a petition described in subpara-
22 graph (C), the Secretary shall—

23 (i) reconsider that determination; and
24 (ii) if the group of workers meets the
25 requirements of section 222 of the Trade

1 Act of 1974, as in effect on such date of
2 enactment, certify the group of workers as
3 eligible to apply for adjustment assistance.

4 (C) PETITION DESCRIBED.—A petition de-
5 scribed in this subparagraph is a petition for a
6 certification of eligibility for a group of workers
7 filed under section 221 of the Trade Act of
8 1974 on or after January 1, 2021, and before
9 the date of the enactment of this Act.

10 (2) ELIGIBILITY FOR BENEFITS.—

11 (A) IN GENERAL.—Except as provided in
12 subparagraph (B), a worker certified as eligible
13 to apply for adjustment assistance under sec-
14 tion 222 of the Trade Act of 1974 pursuant to
15 a petition described in paragraph (1)(C) shall
16 be eligible, on and after the date of the enact-
17 ment of this Act, to receive benefits only under
18 the provisions of chapter 2 of title II of the
19 Trade Act of 1974, as in effect on such date of
20 enactment, or as such provisions may be
21 amended after such date of enactment.

22 (B) COMPUTATION OF MAXIMUM BENE-
23 FITS.—Benefits received by a worker described
24 in paragraph (1) under chapter 2 of title II of
25 the Trade Act of 1974 before the date of the

1 enactment of this Act shall be included in any
2 determination of the maximum benefits for
3 which the worker is eligible under the provisions
4 of chapter 2 of title II of the Trade Act of
5 1974, as in effect on the date of the enactment
6 of this Act, or as such provisions may be
7 amended after such date of enactment.

8 (c) CONFORMING AMENDMENTS.—

9 (1) TRADE ACT OF 2002.—Section 151 of the
10 Trade Act of 2002 (19 U.S.C. note prec. 2271) is
11 amended by striking subsections (a), (b), and (c).

12 (2) TRADE AND GLOBALIZATION ADJUSTMENT
13 ASSISTANCE ACT OF 2009.—Section 1891 of the
14 Trade and Globalization Adjustment Assistance Act
15 of 2009 (19 U.S.C. 2271 note) is repealed.

16 (3) TRADE ADJUSTMENT ASSISTANCE EXTEN-
17 SION ACT OF 2011.—The Trade Adjustment Assist-
18 ance Extension Act of 2011 is amended—

19 (A) in section 201 (19 U.S.C. note prec.
20 2271), by striking subsections (b) and (c); and

21 (B) in section 231(a) (19 U.S.C. 2271
22 note), by striking paragraphs (1)(B) and (2).

23 (4) TRADE ADJUSTMENT ASSISTANCE REAU-
24 THORIZATION ACT OF 2015.—The Trade Adjustment

1 Assistance Reauthorization Act of 2015 is amend-
2 ed—

3 (A) in section 402 (19 U.S.C. note prec.
4 2271), by striking subsections (b) and (c); and

5 (B) in section 405(a)(1) (19 U.S.C.
6 2319(a)(1)), by striking subparagraph (B).

7 (d) TRADE ADJUSTMENT ASSISTANCE FOR FIRMS.—

8 (1) CERTIFICATION OF FIRMS NOT CERTIFIED
9 BEFORE DATE OF ENACTMENT.—

10 (A) CRITERIA IF A DETERMINATION HAS
11 NOT BEEN MADE.—If, as of the date of the en-
12 actment of this Act, the Secretary of Commerce
13 has not made a determination with respect to
14 whether to certify a firm as eligible to apply for
15 adjustment assistance under section 251 of the
16 Trade Act of 1974 pursuant to a petition de-
17 scribed in subparagraph (C), the Secretary shall
18 make that determination based on the require-
19 ments of section 251 of the Trade Act of 1974,
20 as in effect on such date of enactment.

21 (B) RECONSIDERATION OF DENIAL OF
22 CERTAIN PETITIONS.—If, before the date of the
23 enactment of this Act, the Secretary made a de-
24 termination not to certify a firm as eligible to
25 apply for adjustment assistance under section

1 251 of the Trade Act of 1974 pursuant to a pe-
2 tition described in subparagraph (C), the Sec-
3 retary shall—

4 (i) reconsider that determination; and

5 (ii) if the firm meets the requirements
6 of section 251 of the Trade Act of 1974,
7 as in effect on such date of enactment, cer-
8 tify the firm as eligible to apply for adjust-
9 ment assistance.

10 (C) PETITION DESCRIBED.—A petition de-
11 scribed in this subparagraph is a petition for a
12 certification of eligibility filed by a firm or its
13 representative under section 251 of the Trade
14 Act of 1974 on or after January 1, 2021, and
15 before the date of the enactment of this Act.

16 (2) CERTIFICATION OF FIRMS THAT DID NOT
17 SUBMIT PETITIONS BETWEEN JANUARY 1, 2021, AND
18 DATE OF ENACTMENT.—

19 (A) IN GENERAL.—The Secretary of Com-
20 merce shall certify a firm described in subpara-
21 graph (B) as eligible to apply for adjustment
22 assistance under section 251 of the Trade Act
23 of 1974, as in effect on the date of the enact-
24 ment of this Act, if the firm or its representa-
25 tive files a petition for a certification of eligi-

1 bility under section 251 of the Trade Act of
2 1974 not later than 90 days after such date of
3 enactment.

4 (B) FIRM DESCRIBED.—A firm described
5 in this subparagraph is a firm that the Sec-
6 retary determines would have been certified as
7 eligible to apply for adjustment assistance if—

8 (i) the firm or its representative had
9 filed a petition for a certification of eligi-
10 bility under section 251 of the Trade Act
11 of 1974 on a date during the period begin-
12 ning on January 1, 2021, and ending on
13 the day before the date of the enactment
14 of this Act; and

15 (ii) the provisions of chapter 3 of title
16 II of the Trade Act of 1974, as in effect
17 on such date of enactment, had been in ef-
18 fect on that date during the period de-
19 scribed in clause (i).

20 **Subtitle F.—Health Care Tax** 21 **Credit**

22 **SEC. 101601. PERMANENT CREDIT FOR HEALTH INSURANCE** 23 **COSTS.**

24 (a) IN GENERAL.—Subparagraph (B) of section
25 35(b)(1) of the Internal Revenue Code of 1986 is amended

1 by striking “, and before January 1, 2022” and inserting
2 a period.

3 (b) INCREASE IN CREDIT PERCENTAGE.—Subsection
4 (a) of section 35 of the Internal Revenue Code of 1986
5 is amended by striking “72.5 percent” and inserting “80
6 percent”.

7 (c) CONFORMING AMENDMENTS.—Subsections (b)
8 and (e)(1) of section 7527 of the Internal Revenue Code
9 of 1986 are each amended by striking “72.5 percent” and
10 inserting “80 percent”.

11 (d) EFFECTIVE DATE.—The amendments made by
12 this section shall apply to coverage months beginning after
13 December 31, 2021.

14 **TITLE II—IMPROVEMENTS TO**
15 **TRADE REMEDIES LAWS**
16 **Subtitle A—Successive**
17 **Investigations**

18 **SEC. 102001. ESTABLISHMENT OF SPECIAL RULES FOR DE-**
19 **TERMINATION OF MATERIAL INJURY IN THE**
20 **CASE OF SUCCESSIVE ANTIDUMPING AND**
21 **COUNTERVAILING DUTY INVESTIGATIONS.**

22 (a) IN GENERAL.—Section 771(7) of the Tariff Act
23 of 1930 (19 U.S.C. 1677(7)) is amended—

1 (1) by redesignating subparagraphs (E)
2 through (J) as subparagraphs (F) through (K), re-
3 spectively;

4 (2) in subparagraph (I), as redesignated by
5 paragraph (1)—

6 (A) by striking “subparagraph (G)(ii)” and
7 inserting “subparagraph (H)(ii)”; and

8 (B) by striking “subparagraph (F)” and
9 inserting “subparagraph (G)”; and

10 (3) by inserting after subparagraph (D) the fol-
11 lowing:

12 “(E) SPECIAL RULES FOR SUCCESSIVE IN-
13 VESTIGATIONS.—

14 “(i) IN GENERAL.—

15 “(I) EVALUATION OF IMPACT ON
16 DOMESTIC INDUSTRY.—In evaluating
17 the impact of imports of the merchan-
18 dise on producers of domestic like
19 products under subparagraph (C)(iii),
20 the Commission shall—

21 “(aa) consider the condition
22 of the domestic industry as found
23 in a recently completed investiga-
24 tion;

1 “(bb) consider the effect of
2 a concurrent investigation or re-
3 cently completed investigation on
4 trade and the financial perform-
5 ance of the domestic industry;
6 and

7 “(cc) take into account the
8 considerations described in items
9 (aa) and (bb), include in the
10 record any prior injury deter-
11 minations by the Commission
12 with respect to imports of the
13 merchandise.

14 “(II) EFFECT OF RECENT IM-
15 PROVEMENT ON MATERIAL INJURY
16 DETERMINATION.—For the purposes
17 of this subparagraph, the Commission
18 may not find that there is no material
19 injury or threat of material injury to
20 a domestic industry solely based on
21 recent improvements in the industry’s
22 performance, such as an increase in
23 sales, market share, or profitability of
24 domestic producers, that are related
25 to relief granted pursuant to a con-

1 current investigation or recently com-
2 pleted investigation.

3 “(ii) RETROACTIVE APPLICATION OF
4 FINAL DETERMINATION.—In making any
5 finding under section 705(b)(4)(A) or
6 735(b)(4)(A) in a successive investigation,
7 the Commission shall determine that a
8 concurrent investigation or recently com-
9 pleted investigation contributes to the like-
10 lihood that the remedial effect of the coun-
11 tervailing duty order to be issued under
12 section 706 or the antidumping duty order
13 to be issued under section 736 will be seri-
14 ously undermined.”.

15 (b) DEFINITIONS.—Section 771 of the Tariff Act of
16 1930 (19 U.S.C. 1677) is amended by adding at the end
17 the following:

18 “(37) TREATMENT OF SUCCESSIVE INVESTIGA-
19 TIONS.—For purposes of sections 702(f), 732(f),
20 and 784, as well as paragraph (7)(E) of this section:

21 “(A) CONCURRENT INVESTIGATION.—The
22 term ‘concurrent investigation’ means an ongo-
23 ing investigation in which an affirmative deter-
24 mination under section 703(a) or 733(a) has
25 been made by the Commission with respect to

1 imports of a same class or kind of merchandise
2 that are the same or similar to imports of a
3 same class or kind of merchandise from another
4 country that are the subject of a successive in-
5 vestigation.

6 “(B) RECENTLY COMPLETED INVESTIGA-
7 TION.—The term ‘recently completed investiga-
8 tion’ means a completed investigation in which
9 an affirmative determination under section
10 705(b) or 735(b) was issued by the Commission
11 with respect to imports of a class or kind of
12 merchandise that are the same or similar to im-
13 ports of a class or kind of merchandise from
14 another country that are the subject of a suc-
15 cessive investigation not more than 2 years be-
16 fore the date of initiation of the successive in-
17 vestigation.

18 “(C) SUCCESSIVE INVESTIGATION.—The
19 term ‘successive investigation’ means an inves-
20 tigation that has been initiated by the admin-
21 istering authority following a petition filed pur-
22 suant to section 702(f) or 732(f).”.

1 **SEC. 102002. INITIATION OF SUCCESSIVE ANTIDUMPING**
2 **AND COUNTERVAILING DUTY INVESTIGA-**
3 **TIONS.**

4 (a) COUNTERVAILING DUTY INVESTIGATION.—Sec-
5 tion 702 of the Tariff Act of 1930 (19 U.S.C. 1671a) is
6 amended by adding at the end the following:

7 “(f) INITIATION BY ADMINISTERING AUTHORITY OF
8 SUCCESSIVE COUNTERVAILING DUTY INVESTIGATION.—
9 A successive investigation shall be initiated—

10 “(1) under subsection (a), if—

11 “(A) the requirements under that sub-
12 section are met with respect to imports of a
13 class or kind of merchandise; and

14 “(B) imports of the same or similar class
15 or kind of merchandise from another country
16 are or have been the subject of a concurrent in-
17 vestigation or recently completed investigation;
18 or

19 “(2) under subsection (b), if—

20 “(A) the determinations under clauses (i)
21 and (ii) of subsection (c)(1)(A) are affirmative
22 with respect to imports of a class or kind of
23 merchandise; and

24 “(B) imports of the same or similar class
25 or kind of merchandise from another country
26 are or have been the subject of a concurrent in-

1 vestigation or recently completed investiga-
2 tion.”.

3 (b) ANTIDUMPING DUTY INVESTIGATION.—Section
4 732 of the Tariff Act of 1930 (19 U.S.C. 1673a) is
5 amended by adding at the end the following:

6 “(f) INITIATION BY ADMINISTERING AUTHORITY OF
7 SUCCESSIVE ANTIDUMPING DUTY INVESTIGATION.—A
8 successive investigation shall be initiated—

9 “(1) under subsection (a), if—

10 “(A) the requirements under that sub-
11 section are met with respect to imports of a
12 class or kind of merchandise; and

13 “(B) imports of the same or similar class
14 or kind of merchandise from another country
15 are or have been the subject of a concurrent in-
16 vestigation or recently completed investigation;
17 or

18 “(2) under subsection (b), if—

19 “(A) the determinations under clauses (i)
20 and (ii) of subsection (c)(1)(A) are affirmative
21 with respect to imports of a class or kind of
22 merchandise; and

23 “(B) imports of the same or similar class
24 or kind of merchandise from another country
25 are or have been the subject of a concurrent in-

1 vestigation or recently completed investiga-
2 tion.”.

3 **SEC. 102003. ISSUANCE OF DETERMINATIONS WITH RE-**
4 **SPECT TO SUCCESSIVE ANTIDUMPING AND**
5 **COUNTERVAILING DUTY INVESTIGATIONS.**

6 (a) IN GENERAL.—Subtitle D of title VII of the Tar-
7 iff Act of 1930 (19 U.S.C. 1677 et seq.) is amended by
8 adding at the end the following:

9 **“SEC. 784. DETERMINATIONS RELATING TO SUCCESSIVE IN-**
10 **VESTIGATIONS.**

11 “(a) IN GENERAL.—Notwithstanding any other pro-
12 vision of this title, the administering authority—

13 “(1) with respect to a successive investigation
14 under section 702(f)—

15 “(A) shall issue a preliminary determina-
16 tion under section 703(b) not later than 85
17 days after initiating the investigation;

18 “(B) may not postpone under section
19 703(c) such deadline for the issuance of a pre-
20 liminary determination unless requested by the
21 petitioner;

22 “(C) shall obtain the information required
23 for a determination under section 703(e);

24 “(D) shall make a determination under
25 section 703(e) with respect to the investigation;

1 “(E) shall issue a final determination
2 under section 705(a) not later than 75 days
3 after issuing the preliminary determination
4 under subparagraph (A); and

5 “(F) shall extend the date of the final de-
6 termination under section 705(a) if requested
7 by the petitioner; and

8 “(2) with respect to a successive investigation
9 under section 732(f)—

10 “(A) shall issue a preliminary determina-
11 tion under section 733(b) not later than 140
12 days after initiating the investigation;

13 “(B) may not postpone under section
14 733(c) such deadline for the issuance of a pre-
15 liminary determination unless requested by the
16 petitioner;

17 “(C) shall obtain the information required
18 for a determination under section 733(e);

19 “(D) shall make a determination under
20 section 733(e) with respect to the investigation;

21 “(E) shall issue a final determination
22 under section 735(a) not later than 75 days
23 after issuing the preliminary determination
24 under subparagraph (A); and

1 “(F) may extend the date of the final de-
2 termination under section 735(a)(2).”.

3 (b) CLERICAL AMENDMENT.—The table of contents
4 for the Tariff Act of 1930 is amended by inserting after
5 the item relating to section 783 the following:

“Sec. 784.Determinations relating to successive investigations.”.

6 **Subtitle B—Responding to Market**
7 **Distortions**

8 **SEC. 102101. ADDRESSING CROSS-BORDER SUBSIDIES IN**
9 **COUNTERVAILING DUTY INVESTIGATIONS.**

10 (a) IN GENERAL.—Section 701(d) of the Tariff Act
11 of 1930 (19 U.S.C. 1671(d)) is amended—

12 (1) in the subsection heading, by striking
13 “INTERNATIONAL CONSORTIA” and inserting “SPE-
14 CIAL RULES”;

15 (2) by striking “For purposes” and inserting
16 the following:

17 “(1) INTERNATIONAL CONSORTIA AND MULTI-
18 NATIONAL CORPORATIONS.—For purposes”;

19 (3) in paragraph (1), as so designated, by in-
20 serting after “in their respective home countries,”
21 the following: “or multinational corporations that
22 are engaged in the production of subject merchan-
23 dise receive countervailable subsidies to assist, per-
24 mit, or otherwise enable their production or manu-
25 facturing operations in the country in which the

1 class or kind of merchandise is produced, exported,
2 or sold (or likely to be sold) for importation into the
3 United States,”; and

4 (4) by adding at the end the following:

5 “(2) TRANSNATIONAL SUBSIDIES.—

6 “(A) IN GENERAL.—For purposes of this
7 subtitle, if there is a countervailable subsidy
8 conferred by a government of a country or any
9 public entity within the territory of a country
10 that is not the country in which the class or
11 kind of merchandise is produced, exported, or
12 sold (or likely to be sold) for importation into
13 the United States and the government of the
14 country or any public entity within the territory
15 of the country in which the class or kind of
16 merchandise is produced, exported, or sold (or
17 likely to be sold) for importation into the
18 United States (hereafter in this subparagraph
19 referred to as the ‘subject merchandise coun-
20 try’) facilitates the provision of such subsidy,
21 then the administering authority shall treat the
22 subsidy as having been provided by the govern-
23 ment of the subject merchandise country or a
24 public entity within the territory of the subject
25 merchandise country and shall cumulate all

1 such countervailable subsidies, as well as
2 countervailable subsidies provided directly or in-
3 directly by the government or any public entity
4 within the territory of the subject merchandise
5 country.

6 “(B) APPLICATION.—This paragraph shall
7 be applied in a manner consistent with the
8 international obligations of the United States.”.

9 (b) DEFINITIONS.—Subtitle D of title VII of the Tar-
10 iff Act of 1930 is amended as follows:

11 (1) In section 771 (19 U.S.C. 1677)—

12 (A) in paragraph (5A)—

13 (i) in subparagraph (A), by striking
14 “pursuant to subparagraph (D)” and in-
15 serting “pursuant to subparagraph (E)”;

16 (ii) by redesignating subparagraph
17 (D) as subparagraph (E); and

18 (iii) by inserting after subparagraph
19 (C) the following:

20 “(D) TRANSNATIONAL SUBSIDY.—In de-
21 termining whether a transnational subsidy, in-
22 cluding subsidies described in subparagraph (B)
23 or (C) is a specific subsidy, in law or in fact,
24 the administering authority shall examine the

1 subsidy practice of the government or public en-
2 tity that conferred the subsidy.”;

3 (B) in paragraph (9)—

4 (i) in subparagraph (F), by striking
5 “and” at the end;

6 (ii) in subparagraph (G), by striking
7 the period at the end and inserting “and”;
8 and

9 (iii) by adding at the end the fol-
10 lowing:

11 “(H) in any investigation under subtitle A
12 involving a transnational subsidy, the govern-
13 ment of the country that confers the
14 transnational subsidy.”; and

15 (C) by adding at the end the following:

16 “(38) TRANSNATIONAL SUBSIDY.—The term
17 ‘transnational subsidy’, with respect to subject mer-
18 chandise, means a subsidy conferred by a country
19 that is not the country in which the class or kind of
20 merchandise is produced, exported, or sold (or likely
21 to be sold) for importation into the United States to
22 the producer, exporter, or supplier of the producer
23 or exporter, of the subject merchandise.

24 “(39) MULTINATIONAL CORPORATION.—The
25 term ‘multinational corporation’ means a person,

1 firm, or corporation which owns or controls, directly
2 or indirectly, facilities for the production of subject
3 merchandise in two or more foreign countries.”.

4 (2) In section 771A(a)(1), by striking “in the
5 same country as the authority”.

6 **SEC. 102102. MODIFICATION OF DEFINITION OF ORDINARY**
7 **COURSE OF TRADE TO SPECIFY THAT AN IN-**
8 **SUFFICIENT QUANTITY OF FOREIGN LIKE**
9 **PRODUCTS CONSTITUTES A SITUATION OUT-**
10 **SIDE THE ORDINARY COURSE OF TRADE.**

11 Section 771(15) of the Tariff Act of 1930 (19 U.S.C.
12 1677(15)) is amended by adding at the end the following:

13 “(D) Situations in which the quantity of a
14 foreign like product selected for comparison
15 under paragraph (16) is insufficient to establish
16 that the conditions and practices associated
17 with such sales have been normal in the trade
18 under consideration for a reasonable period of
19 time prior to the exportation of the subject
20 merchandise, and permit a proper comparison
21 to the export price or constructed export
22 price.”.

1 **SEC. 102103. MODIFICATION OF ADJUSTMENTS TO EXPORT**
2 **PRICE AND CONSTRUCTED EXPORT PRICE**
3 **WITH RESPECT TO DUTY DRAWBACK.**

4 Section 772(c)(1)(B) of the Tariff Act of 1930 (19
5 U.S.C. 1677a(c)(1)(B)) is amended—

6 (1) by striking “any”; and

7 (2) by inserting after “United States” the fol-
8 lowing: “, but that amount shall not exceed the per
9 unit amount of such duties contained in the weight-
10 ed average cost of production”.

11 **SEC. 102104. MODIFICATION OF DETERMINATION OF CON-**
12 **STRUCTED VALUE TO INCLUDE DISTORTIONS**
13 **OF COSTS THAT OCCUR IN FOREIGN COUN-**
14 **TRIES.**

15 (a) IN GENERAL.—Section 773(b)(3) of the Tariff
16 Act of 1930 (19 U.S.C. 1677b(b)(3)) is amended—

17 (1) in subparagraph (A), by striking “business”
18 and inserting “trade”; and

19 (2) in the matter following subparagraph (C),
20 by inserting before “For purposes” the following:
21 “For purposes of subparagraph (A), if a particular
22 market situation exists such that the cost of mate-
23 rials and fabrication or other processing of any kind
24 does not accurately reflect the cost of production in
25 the ordinary course of trade, the administering au-
26 thority may use another calculation methodology

1 under this subtitle or any other calculation method-
2 ology.”.

3 (b) MODIFICATION OF DEFINITION OF ORDINARY
4 COURSE OF TRADE TO INCLUDE ADJUSTED COSTS.—Sec-
5 tion 771(15)(C) of the Tariff Act of 1930 (19 U.S.C.
6 1677(15)(C)) is amended—

7 (1) by striking “that the particular market situ-
8 ation prevents” and inserting “that a particular
9 market situation exists that—

10 “(i) prevents”;

11 (2) in clause (i), as designated by paragraph
12 (1), by striking the period at the end and inserting
13 “, relating to normal value determined under sub-
14 section (a) of section 773; or”; and

15 (3) by adding at the end the following:

16 “(ii) distorts certain costs of produc-
17 tion, relating to normal value determined
18 under subsections (b) and (e) of section
19 773.”.

20 **SEC. 102105. SPECIAL RULES FOR CALCULATION OF COST**
21 **OF PRODUCTION AND CONSTRUCTED VALUE**
22 **TO ADDRESS DISTORTED COSTS.**

23 (a) IN GENERAL.—Section 773(f)(3) of the Tariff
24 Act of 1930 (19 U.S.C. 1677b(f)(3)) is amended—

1 (1) by striking “(3) MAJOR INPUT RULE.—If”
2 inserting the following:

3 “(3) MAJOR INPUT RULE.—

4 “(A) IN GENERAL.—If”; and

5 (2) by adding at the end of the following:

6 “(B) MAJOR INPUTS FROM CERTAIN UNAF-
7 FILIATED PERSONS.—

8 “(i) IN GENERAL.—In the case of a
9 transaction between the exporter or pro-
10 ducer of the merchandise and any unaffili-
11 ated persons described in clause (ii) involv-
12 ing a major input to the merchandise, the
13 administering authority may value such
14 major input based on the information
15 available as to what the amount would
16 have been if the transaction had occurred
17 between the exporter or producer of the
18 merchandise and any unaffiliated persons
19 other than unaffiliated persons described
20 in clause (ii), if such amount is greater
21 than that reflected in the records of the ex-
22 porter or producer of the merchandise.

23 “(ii) UNAFFILIATED PERSONS DE-
24 SCRIBED.—Unaffiliated persons described
25 in this clause include—

1 “(I) any person in a nonmarket
2 economy country;

3 “(II) any producer, exporter, or
4 supplier of the input described in
5 clause (i) found by the administering
6 authority, or by any investigating au-
7 thority of a third country, to be re-
8 ceiving a subsidy pertaining to an
9 identical or comparable input in the
10 respective country;

11 “(III) any producer, exporter, or
12 supplier of the input described in
13 clause (i) found by the administering
14 authority, or by any investigating au-
15 thority of a third country, to be sell-
16 ing an identical or comparable input
17 for less than fair market value in the
18 respective country;

19 “(IV) a government or public
20 body operating within the territory of
21 the exporting country or in any other
22 country; or

23 “(V) a group of governments or
24 public bodies that collectively account
25 for a meaningful share of the produc-

1 tion of the input in the exporting
2 country or in any other country.”.

3 **Subtitle C—Preventing**
4 **Circumvention**

5 **SEC. 102201. MODIFICATION OF REQUIREMENTS IN CIR-**
6 **CUMVENTION INQUIRIES.**

7 (a) IN GENERAL.—Section 781 of the Tariff Act of
8 1930 (19 U.S.C. 1677j) is amended by striking subsection
9 (f) and inserting the following:

10 “(f) PROCEDURES FOR CONDUCTING CIRCUMVEN-

11 TION INQUIRIES.—

12 “(1) INITIATION BY ADMINISTERING AUTHOR-

13 ITY.—A circumvention inquiry shall be initiated

14 whenever the administering authority determines,

15 from information available to it, that a formal in-

16 quiry is warranted into the question of whether the

17 elements necessary for a determination under this

18 section exist.

19 “(2) INITIATION BY INQUIRY REQUEST.—

20 “(A) IN GENERAL.—A circumvention in-

21 quiry shall be initiated whenever an interested

22 party files an inquiry request that alleges the

23 elements necessary for a determination under

24 this section, accompanied by information rea-

1 sonably available to the requestor supporting
2 those allegations.

3 “(B) RULES.—The administering author-
4 ity shall specify requirements for the contents
5 and service of an inquiry request under sub-
6 paragraph (A).

7 “(3) ACTION WITH RESPECT TO INQUIRY RE-
8 QUEST.—

9 “(A) IN GENERAL.—Not later than 30
10 days after the filing of an inquiry request under
11 paragraph (2)(A), the administering authority
12 shall—

13 “(i) initiate a circumvention inquiry;

14 “(ii) dismiss the inquiry request as in-
15 adequate and notify the requestor in writ-
16 ing of the reasons for the dismissal; or

17 “(iii) notify all interested parties that
18 the inquiry request will be addressed
19 through a determination (other than a de-
20 termination under this section) by the ad-
21 ministering authority as to whether a par-
22 ticular type of merchandise is within the
23 class or kind of merchandise described in
24 an existing finding of dumping or an anti-
25 dumping or countervailing duty order.

1 “(B) EXTENSION.—The administering au-
2 thority may extend the deadline under subpara-
3 graph (A) by a period not to exceed 15 days.

4 “(4) DETERMINATIONS.—

5 “(A) PRELIMINARY DETERMINATIONS.—

6 “(i) IN GENERAL.—Except as pro-
7 vided in clause (ii), not later than 90 days
8 after the date on which the initiation of a
9 circumvention inquiry under paragraph (1)
10 or (3)(A) is published, the administering
11 authority shall make a preliminary deter-
12 mination, based on the information avail-
13 able to it at the time of the determination,
14 of whether there is a reasonable basis to
15 believe or suspect that the merchandise
16 subject to the inquiry is circumventing an
17 existing finding of dumping or an anti-
18 dumping or countervailing duty order.

19 “(ii) EXTENSION.—The administering
20 authority may extend the deadline under
21 clause (i) by a period not to exceed 45
22 days.

23 “(B) FINAL DETERMINATIONS.—

24 “(i) IN GENERAL.—Except as pro-
25 vided in clause (ii), not later than 120

1 days after the date on which the prelimi-
2 nary determination is published under sub-
3 paragraph (A) with respect to a circumven-
4 tion inquiry, the administering authority
5 shall make a final determination of wheth-
6 er the merchandise subject to the inquiry
7 is circumventing an existing finding of
8 dumping or an antidumping or counter-
9 vailing duty order.

10 “(ii) EXTENSION.—The administering
11 authority may extend the deadline under
12 clause (i) by a period not to exceed 60
13 days.

14 “(C) OTHER CLASS OR KIND DETERMINA-
15 TIONS.—If an inquiry request under paragraph
16 (2)(A) is addressed through a class or kind de-
17 termination described in paragraph (3)(C), the
18 administering authority shall make such deter-
19 mination not later than 335 days after the fil-
20 ing of the inquiry request.

21 “(5) RULE OF CONSTRUCTION.—The admin-
22 istering authority may simultaneously initiate a cir-
23 cumvention inquiry under paragraph (1) or (3)(A)
24 and issue a preliminary determination under para-
25 graph (4)(A) if the pattern of circumvention alleged

1 is similar to that of a prior final determination by
2 the administering authority.”.

3 (b) SUSPENSION OF LIQUIDATION AND COLLECTION
4 OF DEPOSITS OF ENTRIES SUBJECT TO CIRCUMVENTION
5 INQUIRY; APPLICATION OF CIRCUMVENTION DETERMINA-
6 TION.—Section 781 of the Tariff Act of 1930 (19 U.S.C.
7 1677j) is further amended by adding at the end the fol-
8 lowing:

9 “(g) SUSPENSION OF LIQUIDATION AND COLLECTION
10 OF DEPOSITS OF ENTRIES SUBJECT TO CIRCUMVENTION
11 INQUIRY.—

12 “(1) IN GENERAL.—If the administering au-
13 thority initiates a circumvention inquiry under para-
14 graph (1) or (3)(A) of subsection (f), for each unliq-
15 uidated entry of merchandise subject to the cir-
16 cumvention inquiry entered or withdrawn from ware-
17 house, that is already suspended, the administering
18 authority shall order—

19 “(A) the continued suspension of liquida-
20 tion of such entries; and

21 “(B) the continued posting of a cash de-
22 posit in an amount equal to the antidumping
23 duty or countervailing duty applicable for such
24 entries.

1 “(2) PRELIMINARY DETERMINATION.—If the
2 administering authority issues a preliminary affirm-
3 ative determination under paragraph (4)(A) of sub-
4 section (f), the administering authority shall order—

5 “(A) the suspension, or continued suspen-
6 sion, of liquidation of all entries of merchandise
7 subject to the circumvention inquiry entered, or
8 withdrawn from warehouse, for consumption on
9 or after the date of publication of the notice of
10 initiation of circumvention inquiry under para-
11 graph (1) or (3)(A) of subsection (f);

12 “(B) the suspension, or continued suspen-
13 sion, of liquidation of all entries of merchandise
14 subject to the circumvention inquiry entered, or
15 withdrawn from warehouse, for consumption
16 prior to the date of publication of the notice of
17 initiation of circumvention inquiry under para-
18 graph (1) or (3)(A) of subsection (f) if the ad-
19 ministering authority determines, in light of the
20 circumstances, that such suspension under this
21 paragraph is warranted; and

22 “(C) the posting, or continued posting, of
23 a cash deposit in an amount equal to the anti-
24 dumping duty or countervailing duty applicable,

1 for each entry of merchandise described in sub-
2 paragraphs (A) and (B).

3 “(3) FINAL DETERMINATION.—If the admin-
4 istering authority issues a final affirmative deter-
5 mination under paragraph (4)(B) of subsection (f),
6 the administering authority shall order—

7 “(A) the suspension, or continued suspen-
8 sion, of liquidation of all entries of merchandise
9 subject to the circumvention inquiry entered, or
10 withdrawn from warehouse, for consumption on
11 or after the date of publication of the notice of
12 initiation of circumvention inquiry under para-
13 graph (1) or (3)(A) of subsection (f);

14 “(B) the suspension, or continued suspen-
15 sion, of liquidation of all entries of merchandise
16 subject to the circumvention inquiry entered, or
17 withdrawn from warehouse, for consumption
18 prior to the date of publication of the notice of
19 initiation of circumvention inquiry under para-
20 graph (1) or (3)(A) of subsection (f) if the ad-
21 ministering authority determines, in light of the
22 circumstances, that such suspension under this
23 paragraph is warranted; and

24 “(C) the posting, or continued posting, of
25 a cash deposit in an amount equal to the anti-

1 dumping duty or countervailing duty applicable,
2 for each entry of merchandise described in sub-
3 paragraphs (A) and (B).

4 “(4) RULE OF CONSTRUCTION.—Nothing in
5 this section shall be construed to prevent the admin-
6 istering authority from applying the requirements
7 under this subsection in a class or kind determina-
8 tion described in subsection (f)(3)(C).

9 “(h) APPLICATION OF CIRCUMVENTION DETERMINA-
10 TION.—

11 “(1) IN GENERAL.—The administering author-
12 ity shall consider the appropriate remedy to address
13 circumvention and to prevent evasion of the order
14 pursuant to a determination described in subsections
15 (4)(f)(A) and (B). Such remedies may include the
16 following:

17 “(A) The application of the determination
18 on a producer-specific, exporter-specific, im-
19 porter-specific basis, or some combination
20 thereof, and, as appropriate, the implementa-
21 tion of a certification requirement under section
22 785.

23 “(B) The application of the determination
24 on a countrywide basis to all products from the
25 same country, regardless of producer, exporter,

1 or importer of those products, and, as appro-
2 priate, the implementation of a certification re-
3 quirement under section 785.

4 “(2) EXEMPTION FOR CERTIFICATION.—When
5 a certification requirement is implemented under
6 this paragraph and the eligible importer or other
7 party complies with that requirement, antidumping
8 and countervailing duties under this title may not be
9 applied to the merchandise under certification.”.

10 (c) PUBLICATION IN THE FEDERAL REGISTER.—Sec-
11 tion 777(i) of the Tariff Act of 1930 is amended by adding
12 at the end the following:

13 “(4) CIRCUMVENTION INQUIRIES.—Whenever
14 the administering authority makes a determination
15 under section 781 whether to initiate a circumven-
16 tion inquiry, or makes a preliminary or final deter-
17 mination under subsection (f)(4) of that section, the
18 administering authority shall publish the facts and
19 conclusions supporting that determination and shall
20 publish notice of that determination in the Federal
21 Register.”.

22 (d) ADDING VERIFICATION RESPONSES IN CIR-
23 CUMVENTION INQUIRIES.—Section 782(i) of the Tariff
24 Act of 1930 (19 U.S.C. 1677m(i)) is amended—

1 (1) in paragraph (2), by striking “and” at the
2 end;

3 (2) in paragraph (3)(B), by striking the period
4 at the end and inserting “, and”; and

5 (3) by adding at the end the following:

6 “(4) a final determination in a circumvention
7 inquiry conducted pursuant to section 781 if good
8 cause for verification is shown.”.

9 **SEC. 102202. REQUIREMENT OF PROVISION BY IMPORTER**
10 **OF CERTIFICATION BY IMPORTER OR OTHER**
11 **PARTY.**

12 (a) IN GENERAL.—Subtitle D of title VII of the Tar-
13 iff Act of 1930 (19 U.S.C. 1677 et seq.), as amended by
14 section 102003(a), is further amended by adding at the
15 end the following:

16 **“SEC. 785. REQUIREMENT FOR CERTIFICATION BY IM-**
17 **PORTER OR OTHER PARTY.**

18 “(a) REQUIREMENT.—

19 “(1) IN GENERAL.—For imports of merchan-
20 dise into the customs territory of the United States,
21 the administering authority may require an importer
22 or other party—

23 “(A) to provide by electronic means, at the
24 time of entry or with the entry summary, a cer-
25 tification described in paragraph (2);

1 “(B) to maintain that certification; or

2 “(C) to otherwise demonstrate compliance
3 with the requirements for that certification.

4 “(2) CERTIFICATION DESCRIBED.—A certifi-
5 cation described in this paragraph is a certification
6 by the importer of the merchandise or other party,
7 as required by the administering authority, that
8 among other things—

9 “(A) the merchandise is not subject to an
10 antidumping or countervailing duty proceeding
11 under this title; and

12 “(B) the inputs used in production, trans-
13 formation, or processing of the merchandise are
14 not subject to an antidumping or countervailing
15 duty under this title.

16 “(3) AVAILABLE UPON REQUEST.—A certifi-
17 cation required by the administering authority under
18 paragraph (1), if not already provided, shall be made
19 available upon request to the administering author-
20 ity or the Commissioner of U.S. Customs and Bor-
21 der Protection (in this section referred to as the
22 ‘Commissioner’).

23 “(b) AUTHORITY TO COLLECT CASH DEPOSITS AND
24 TO ASSESS DUTIES.—

1 “(1) IN GENERAL.—If the administering au-
2 thority requires an importer or other party to pro-
3 vide a certification described in paragraph (2) of
4 subsection (a) for merchandise imported into the
5 customs territory of the United States pursuant to
6 paragraph (1) of that subsection, and the importer
7 or other party does not provide that certification or
8 that certification contains any false, misleading, or
9 fraudulent statement or representation or any mate-
10 rial omission, the administering authority shall in-
11 struct the Commissioner—

12 “(A) to suspend liquidation of the entry;

13 “(B) to require that the importer or other
14 party post a cash deposit in an amount equal
15 to the antidumping duty or countervailing duty
16 applicable to the merchandise; and

17 “(C) to assess the appropriate rate of duty
18 upon liquidation or reliquidation of the entry.

19 “(2) ASSESSMENT RATE.—If no rate of duty
20 for an entry is available at the time of assessment
21 under paragraph (1)(C), the administering authority
22 shall identify the applicable cash deposit rate to be
23 applied to the entry, with the applicable duty rate to
24 be provided as soon as the duty rate becomes avail-
25 able.

1 “(c) PENALTIES.—If the administering authority re-
2 quires an importer or other party to provide a certification
3 described in paragraph (2) of subsection (a) for merchan-
4 dise imported into the customs territory of the United
5 States pursuant to paragraph (1) of that subsection, and
6 the importer or other party does not provide that certifi-
7 cation or that certification contains any false, misleading,
8 or fraudulent statement or representation or any material
9 omission, the importer of the merchandise may be subject
10 to a penalty pursuant to section 592 of this Act, section
11 1001 of title 18, United States Code, or any other applica-
12 ble provision of law.”.

13 (b) CLERICAL AMENDMENT.—The table of contents
14 for the Tariff Act of 1930, as amended by section
15 102003(b), is further amended by inserting after the item
16 relating to section 784 the following:

 “Sec. 785.Requirement for certification by importer or other party.”.

17 **SEC. 102203. CLARIFICATION OF AUTHORITY FOR DEPART-**
18 **MENT OF COMMERCE REGARDING DETER-**
19 **MINATIONS OF CLASS OR KIND OF MERCHAN-**
20 **DISE.**

21 (a) DETERMINATIONS OF CLASS OR KIND OF MER-
22 CHANDISE.—To determine whether merchandise imported
23 into the United States is within the class or kind of mer-
24 chandise covered by an antidumping or countervailing
25 duty proceeding under title VII of the Tariff Act of 1930

1 (19 U.S.C. 1671 et seq.), the administering authority may
2 use any reasonable method and is not bound by the deter-
3 minations of any other Federal department or agency, in-
4 cluding tariff classification and country of origin marking
5 rulings issued by the Commissioner of U.S. Customs and
6 Border Protection. Class or kind determinations may be
7 made under this section or under section 781 in accord-
8 ance with the criteria set forth in this section or in section
9 781.

10 (b) ORIGIN OF MERCHANDISE.—To determine the or-
11 igin of merchandise for purposes of an antidumping or
12 countervailing duty proceeding under title VII of the Tar-
13 iff Act of 1930 (19 U.S.C. 1671 et seq.), the administering
14 authority may apply any reasonable method and may con-
15 sider relevant factors, including—

16 (1) whether the upstream and downstream
17 products are within the same class or kind of mer-
18 chandise;

19 (2) whether an essential characteristic of the
20 merchandise, or an essential component thereof, is
21 substantially transformed in the country of expor-
22 tation;

23 (3) the physical characteristics of the merchan-
24 dise;

1 (4) the value added, nature, and sophistication
2 of processing in the third country or countries;

3 (5) the level of investment in the third country
4 or countries; and

5 (6) any other factors that the administering au-
6 thority considers appropriate.

7 (c) REVIEWABLE DETERMINATIONS.—Section
8 516A(a)(2)(A)(ii) of the Tariff Act of 1930 (19 U.S.C.
9 1516a(a)(2)(A)(ii)) is amended to read as follows:

10 “(ii) the date of publication in the
11 Federal Register of notice of a determina-
12 tion described in clause (iv) of subpara-
13 graph (B), or, if no such notice is pub-
14 lished, the date on which the administering
15 authority conveys a copy of such deter-
16 mination to an interested party who is a
17 party to the proceeding.”.

18 **SEC. 102204. ASSET REQUIREMENTS APPLICABLE TO NON-**
19 **RESIDENT IMPORTERS.**

20 (a) IN GENERAL.—Part III of title IV of the Tariff
21 Act of 1930 (19 U.S.C. 1481 et seq.) is amended by in-
22 serting after section 484b the following:

23 **“SEC. 484c. ASSET REQUIREMENTS APPLICABLE TO NON-**
24 **RESIDENT IMPORTERS.**

25 “(a) DEFINITIONS.—In this section:

1 “(1) IMPORTER; NONRESIDENT IMPORTER.—
2 The terms ‘importer’ and ‘nonresident importer’
3 have the meanings given those terms in section
4 641(i).

5 “(2) RESIDENT IMPORTER.—The term ‘resident
6 importer’ means any importer other than a non-
7 resident importer.

8 “(b) REQUIREMENTS FOR NONRESIDENT IMPORT-
9 ERS.—Except as provided in subsection (c), the Commis-
10 sioner of U.S. Customs and Border Protection shall—

11 “(1) require a nonresident importer that im-
12 ports merchandise into the United States to main-
13 tain assets in the United States sufficient to pay all
14 duties that may potentially be applied to the mer-
15 chandise; and

16 “(2) require a bond with respect to the mer-
17 chandise in an amount sufficient to ensure full liabil-
18 ity on the part of a nonresident importer and the
19 surety of the importer based on the amount of assets
20 the Commissioner determines to be sufficient under
21 subsection (c).

22 “(c) DETERMINATION OF AMOUNT OF ASSETS RE-
23 QUIRED TO BE MAINTAINED.—For purposes of subsection
24 (b)(1), the Commissioner shall calculate the amount of as-
25 sets sufficient to pay all duties that may potentially be

1 applied to merchandise imported by a nonresident im-
2 porter, calculated using the declared customs value of the
3 merchandise, of all duties, fees, interest, taxes, or other
4 charges, and all deposits for duties, fees, interest, taxes,
5 or other charges, that would apply with respect to the mer-
6 chandise if the merchandise were subject to the highest
7 rate of all duties applicable to such imported merchandise.

8 “(d) MAINTENANCE OF ASSETS IN THE UNITED
9 STATES.—

10 “(1) IN GENERAL.—For purposes of subsection
11 (b)(1), a nonresident importer of merchandise meets
12 the requirement to maintain assets in the United
13 States if the importer has clear title, at all times be-
14 tween the entry of the merchandise and the liquida-
15 tion of the entry and payment in full of all cor-
16 responding bills issued as a result of the liquidation,
17 to assets described in paragraph (2) with a value
18 equal to the amount determined under subsection
19 (c).

20 “(2) ASSETS DESCRIBED.—An asset described
21 in this paragraph is—

22 “(A) an asset held by a United States fi-
23 nancial institution;

1 “(B) an interest in an entity organized
2 under the laws of the United States or any ju-
3 risdiction within the United States; or

4 “(C) an interest in real or personal prop-
5 erty located in the United States or any terri-
6 tory or possession of the United States.

7 “(e) EXCEPTIONS.—The requirements of this section
8 shall not apply with respect to a nonresident importer—

9 “(1) that is a validated Tier 2 or Tier 3 partici-
10 pant in the Customs–Trade Partnership Against
11 Terrorism program established under subtitle B of
12 title II of the Security and Accountability For Every
13 Port Act of 2006 (6 U.S.C. 961 et seq.); or

14 “(2) if the Commissioner is satisfied, based on
15 certified information supplied by the importer and
16 any other relevant evidence, that the Commissioner
17 has the same or equivalent ability to collect all du-
18 ties that may potentially be applied to merchandise
19 imported by the importer as the Commissioner
20 would have if the importer were a resident importer.

21 “(f) PROCEDURES.—

22 “(1) IN GENERAL.—The Commissioner shall
23 prescribe procedures for assuring that nonresident
24 importers maintain the assets required by subsection
25 (b).

1 “(2) DEADLINE.—The Commissioner shall en-
2 sure the procedures required by paragraph (1) are
3 prescribed and in effect not later than 90 days after
4 the date of the enactment of this Act.

5 “(g) PENALTIES.—

6 “(1) IN GENERAL.—It shall be unlawful for any
7 person to import into the United States any mer-
8 chandise in violation of this section.

9 “(2) CIVIL PENALTIES.—Any person who vio-
10 lates paragraph (1) shall—

11 “(A) in the case of merchandise described
12 in such paragraph with a domestic value that is
13 equal to or greater than \$50,000, be liable for
14 a civil penalty of \$50,000 for each such viola-
15 tion; or

16 “(B) in the case of merchandise described
17 in such paragraph with a domestic value that is
18 less than \$50,000, be liable for a civil penalty
19 equal to 50 percent of the amount of such do-
20 mestic value for each such violation.

21 “(3) OTHER PENALTIES.—In addition to the
22 penalties specified in paragraph (2), any violation of
23 this section that violates any other provision of the
24 customs and trade laws of the United States (as de-
25 fined in section 2 of the Trade Facilitation and

1 Trade Enforcement Act of 2015 (19 U.S.C. 4301))
2 shall be subject to any applicable civil or criminal
3 penalty, including seizure and forfeiture, that may
4 be imposed under that provision or title 18, United
5 States Code.”.

6 (b) CLERICAL AMENDMENT.—The table of contents
7 for the Tariff Act of 1930, as amended by sections
8 102003(b) and 102202(b), is further amended by insert-
9 ing after the item relating to section 484b the following:

“Sec. 484c. Asset requirements applicable to nonresident importers.”.

10 (c) EFFECTIVE DATE.—Section 484c of the Tariff
11 Act of 1930, as added by subsection (a)—

12 (1) takes effect on the date of the enactment of
13 this Act; and

14 (2) applies with respect to merchandise entered,
15 or withdrawn from warehouse for consumption, on
16 or after the date that is 180 days after such date
17 of enactment.

18 **Subtitle D—Countering Currency** 19 **Undervaluation**

20 **SEC. 102301. INVESTIGATION OR REVIEW OF CURRENCY** 21 **UNDERVALUATION UNDER COUNTERVAILING** 22 **DUTY LAW.**

23 Section 702(c) of the Tariff Act of 1930 (19 U.S.C.
24 1671a(c)) is amended by adding at the end the following:

1 “(6) CURRENCY UNDERVALUATION.—For pur-
2 poses of a countervailing duty investigation under
3 this subtitle in which the determinations under
4 clauses (i) and (ii) of paragraph (1)(A) are affirma-
5 tive and the petition includes an allegation of cur-
6 rency undervaluation by the government of a coun-
7 try or any public entity within the territory of a
8 country that meets the requirements of clause (i) of
9 that paragraph, or for purposes of a review under
10 subtitle C with respect to a countervailing duty
11 order involving such an allegation, the administering
12 authority shall examine in its investigation or review
13 whether currency undervaluation by the government
14 of a country or any public entity within the territory
15 of a country is providing, directly or indirectly, a
16 countervailable subsidy.”.

17 **SEC. 102302. DETERMINATION OF BENEFIT WITH RESPECT**
18 **TO CURRENCY UNDERVALUATION.**

19 Section 771(5)(E) of the Tariff Act of 1930 (19
20 U.S.C. 1677(5)(E)) is amended—

21 (1) in clause (iii), by striking “, and” and in-
22 serting a comma;

23 (2) in clause (iv), by striking the period at the
24 end and inserting “, and”;

25 (3) by inserting after clause (iv) the following:

1 “(v) in the case of a transaction involving currency,
2 if there is a difference between the amount of currency
3 received in exchange for United States dollars and the
4 amount of currency that the recipient would have received
5 absent an undervalued currency.”; and

6 (4) in the flush text following clause (v), as
7 added by paragraph (3), by adding at the end the
8 following: “For purposes of clause (v), a determina-
9 tion of the existence and amount of a benefit from
10 the exchange of an undervalued currency shall take
11 into account a comparison of the exchange rates de-
12 rived from a methodology determined by the admin-
13 istering authority to be appropriate in light of the
14 facts and circumstances to the relevant actual ex-
15 change rates. That determination shall rely on au-
16 thoritative information that is on the administrative
17 record.”.

18 **Subtitle E—Preventing Duty** 19 **Evasion**

20 **SEC. 102401. LIMITATION ON PROTEST AGAINST DECISIONS** 21 **OF U.S. CUSTOMS AND BORDER PROTECTION** 22 **OF CLAIMS OF EVASION OF ANTIDUMPING** 23 **AND COUNTERVAILING DUTY ORDERS.**

24 The Tariff Act of 1930 is amended—

25 (1) in section 514(b) (19 U.S.C. 1514(b))—

1 (A) by striking “title, determinations” and
2 inserting “title, or with respect to determina-
3 tions made under section 517 of this title which
4 are reviewable under subsection (g) of such sec-
5 tion, determinations”; and

6 (B) by inserting after “a determination
7 listed in section 516A of this title” the fol-
8 lowing: “or a determination listed in section
9 517 of this title, as the case may be,”; and

10 (2) in section 517(h) (19 U.S.C. 1517(h)), by
11 adding at the end before the period the following: “,
12 except that any decision as to the liquidation or re-
13 liquidation of an entry of covered merchandise in ac-
14 cordance with a determination under subsection (c)
15 and review under subsection (f), if applicable, shall
16 not be subject to a protest of such decision filed in
17 accordance with section 514”.

18 **SEC. 102402. PROCEDURES FOR INVESTIGATING CLAIMS OF**

19 **EVASION OF SAFEGUARD ACTIONS.**

20 (a) TARIFF ACT OF 1930.—Section 517 of the Tariff
21 Act of 1930 (19 U.S.C. 1517) is amended—

22 (1) in the section heading, by adding at the end
23 before the period the following: “**AND SAFEGUARD**
24 **ACTIONS**”;

25 (2) in subsection (a)—

1 (A) in paragraph (3)—

2 (i) in subparagraph (A), by striking
3 “or” at the end;

4 (ii) in subparagraph (B), by striking
5 the period at the end and inserting “; or”;
6 and

7 (iii) by adding at the end the fol-
8 lowing:

9 “(C) an action taken under section 203 of
10 the Trade Act of 1974 (19 U.S.C. 2253).”; and

11 (B) in paragraph (5)(A), by inserting after
12 “applicable antidumping or countervailing du-
13 ties” the following: “or any applicable safe-
14 guard action”;

15 (3) in subparagraphs (A) and (B) of subsection
16 (b)(4), by inserting after “covered merchandise”
17 each place it appears the following: “under subpara-
18 graph (A) or (B) of subsection (a)(3)”;

19 (4) in subsection (d)(1)—

20 (A) in subparagraph (C)—

21 (i) in the matter preceding clause (i),
22 by inserting after “(C)” the following: “if
23 the determination relates to covered mer-
24 chandise under subparagraph (A) or (B) of
25 subsection (a)(3),”; and

1 (ii) in clause (i), by inserting after
2 “subparagraphs (A) and (B)” the fol-
3 lowing: “of this paragraph”; and

4 (B) in subparagraph (D)—

5 (i) by inserting after “(D)” the fol-
6 lowing: “if the determination relates to
7 covered merchandise under subparagraph
8 (A) or (B) of subsection (a)(3),”; and

9 (ii) by inserting after “subparagraphs
10 (A) and (B)” the following: “of this para-
11 graph”.

12 (b) TRADE FACILITATION AND TRADE ENFORCE-
13 MENT ACT OF 2015.—The Trade Facilitation and Trade
14 Enforcement Act of 2015 is amended—

15 (1) in section 402 (19 U.S.C. 4361)—

16 (A) in paragraph (2)—

17 (i) in subparagraph (A), by striking
18 “or” at the end;

19 (ii) in subparagraph (B), by striking
20 the period at the end and inserting “; or”;
21 and

22 (iii) by adding at the end the fol-
23 lowing:

24 “(C) an action taken under section 203 of
25 the Trade Act of 1974 (19 U.S.C. 2253).”;

1 (B) in paragraph (5), by inserting after
2 “applicable antidumping or countervailing du-
3 ties” the following: “or any applicable safe-
4 guard action”; and

5 (C) in paragraph (7), by adding at the end
6 before the period the following: “and chapter 1
7 of title II of the Trade Act of 1974 (19 U.S.C.
8 2251 et seq.)” ; and

9 (2) in section 412 (19 U.S.C. 4372)—

10 (A) in subsection (a)(2)—

11 (i) by redesignating subparagraphs
12 (A), (B), and (C) as subparagraphs (B),
13 (C), and (D), respectively; and

14 (ii) by inserting before subparagraph
15 (B), as redesignated, the following:

16 “(A) a person reasonably suspected of en-
17 tering covered merchandise into the customs
18 territory of the United States through eva-
19 sion”;”; and

20 (B) in subsection (b)(1)—

21 (i) in subparagraph (B)—

22 (I) by redesignating clauses (i),
23 (ii), and (iii) as clauses (ii), (iii), and
24 (iv), respectively; and

1 (II) by inserting before clause
2 (ii), as redesignated, the following:
3 “(i) a person from whom information
4 was requested pursuant to subsection
5 (a)(2)(A);” and
6 (ii) in subparagraph (C), by striking
7 “clause (ii) or (iii)” and inserting “clause
8 (i), (iii), or (iv)”.

9 **SEC. 102403. APPLICATION OF PROVISIONS RELATING TO**
10 **CERTAIN PROPRIETARY INFORMATION.**

11 (a) IN GENERAL.—Section 517 of the Tariff Act of
12 1930 (19 U.S.C. 1517), as amended by section 102402(a),
13 is further amended by adding at the end the following:

14 “(i) APPLICATION OF PROVISIONS RELATING TO
15 CERTAIN PROPRIETARY INFORMATION.—

16 “(1) IN GENERAL.—Except as provided in para-
17 graph (2), the provisions of subsections (b), (c), and
18 (d) of section 777, relating to information submitted
19 in connection with proceedings under title VII of
20 this Act, shall apply with respect to information sub-
21 mitted in connection with proceedings under this
22 section to the same extent and in the same manner
23 as such provisions apply to information submitted in
24 connection with proceedings under such title VII.

1 “(2) EXCEPTIONS.—In carrying out paragraph
2 (1), the provisions of subsections (b), (c), and (d) of
3 section 777 shall be applied and administered as fol-
4 lows:

5 “(A) By substituting ‘the Commissioner’
6 for ‘the administering authority or the Commis-
7 sion’ and ‘the administering authority and the
8 Commission’ each place either such term ap-
9 pears.

10 “(B) Paragraphs (1)(A)(ii) and (3) of such
11 subsection (b) shall not apply.

12 “(C) The second and third sentences of
13 such subsection (c)(1)(A) shall not apply.

14 “(D) In such subsection (c)—

15 “(i) in paragraph (1)—

16 “(I) in subparagraph (B), by
17 substituting ‘determine to be appro-
18 priate’ for ‘determine to be appro-
19 priate, including disbarment from
20 practice before the agency’; and

21 “(II) in subparagraph (C)—

22 “(aa) in clause (i), by sub-
23 stituting ‘14 days’ for ‘14 days
24 (7 days if the submission per-

1 tains to a proceeding under sec-
2 tion 703(a) or 733(a)); and

3 “(bb) in the text following
4 clause (ii)(II), by substituting ‘30
5 days’ for ‘30 days (10 days if the
6 submission pertains to a pro-
7 ceeding under section 703(a) or
8 733(a)); and

9 “(ii) in paragraph (2), by substituting
10 ‘United States Court of International
11 Trade’ for ‘United States Customs
12 Court.’”.

13 (b) REGULATIONS.—The Commissioner of U.S. Cus-
14 toms and Border Protection shall prescribe such regula-
15 tions as may be necessary to implement subsection (i) of
16 section 517 of the Tariff Act of 1930 (19 U.S.C. 1517),
17 as added by subsection (a).

18 (c) EFFECTIVE DATE.—The amendment made by
19 subsection (a) shall take effect on the date that is 180
20 days after the date of the enactment of this Act.

21 **Subtitle F—General Provisions**

22 **SEC. 102501. APPLICATION TO CANADA AND MEXICO.**

23 Pursuant to section 418 of the United States-Mexico-
24 Canada Agreement Implementation Act (19 U.S.C. 4588),

1 the amendments made by this title apply with respect to
2 goods from Canada and Mexico.

3 **SEC. 102502. REPEAL OF THE SOFTWOOD LUMBER ACT OF**
4 **2008.**

5 The second title VIII of the Tariff Act of 1930 (19
6 U.S.C. 1683 et seq.; relating to softwood lumber), as
7 added by section 3301 of the Food, Conservation, and En-
8 ergy Act of 2008 (Public Law 110–246; 122 Stat. 1844),
9 is repealed.

10 **SEC. 102503. REPEAL OF ENFORCEMENT ACTIONS RELAT-**
11 **ING TO CHEESE SUBJECT TO AN IN-QUOTA**
12 **RATE OF DUTY.**

13 (a) IN GENERAL.—Section 702 of the Trade Agree-
14 ments Act of 1979 (Public Law 96–39) is repealed.

15 (b) CLERICAL AMENDMENT.—The table of contents
16 for the Trade Agreements Act of 1979 is amended by
17 striking the item relating to section 702.

18 **SEC. 102504. EFFECTIVE DATE.**

19 (a) IN GENERAL.—Except as otherwise provided and
20 except as provided by subsection (b) or (c), the amend-
21 ments made by this title apply to countervailing duty in-
22 vestigations initiated under subtitle A of title VII of the
23 Tariff Act of 1930 (19 U.S.C. 1671 et seq.), antidumping
24 duty investigations initiated under subtitle B of title VII
25 of such Act (19 U.S.C. 1673 et seq.), reviews initiated

1 under subtitle C of title VII of such Act (19 U.S.C. 1675
2 et seq.), circumvention inquiries requested under section
3 781 of such Act (19 U.S.C. 1677j), class or kind deter-
4 minations under section 303 of this Act, claims of evasion
5 of antidumping and countervailing duty orders initiated
6 under the Tariff Act of 1930, and claims of evasion of
7 safeguard actions initiated under the Tariff Act of 1930
8 on or after the date of the enactment of this Act.

9 (b) APPLICABILITY.—

10 (1) IN GENERAL.—The amendments made by
11 this title apply to—

12 (A) investigations or reviews under title
13 VII of the Tariff Act of 1930 pending on the
14 date of the enactment of this Act if the date on
15 which the fully extended preliminary determina-
16 tion is scheduled is not earlier than 45 days
17 after such date of enactment, except that sec-
18 tion 784 of the Tariff Act of 1930, as added by
19 section 103 of this Act, shall not apply to inves-
20 tigation under title VII of the Tariff Act of
21 1930 that are pending on such date of enact-
22 ment;

23 (B) circumvention inquiries under section
24 781 of the Tariff Act of 1930 pending on such
25 date of enactment, if the date of publication of

1 the initiation of the inquiry is not earlier than
2 45 days before such date of enactment; and

3 (C) circumvention inquiries requested
4 under such section 781 but not initiated before
5 such date of enactment.

6 (2) DEADLINES FOR CIRCUMVENTION INQUIR-
7 IES.—

8 (A) DETERMINATIONS.—In the case of a
9 circumvention inquiry described in paragraph
10 (1)(B), subsection (f)(4) of section 781 of the
11 Tariff Act of 1930, as amended by section
12 102201(a), shall be applied and administered—

13 (i) in subparagraph (A)(i), by sub-
14 stituting “the date of the enactment of the
15 Eliminating Global Market Distortions to
16 Protect American Jobs Act of 2021” for
17 “the date on which the initiation of a cir-
18 cumvention inquiry under paragraph (1) or
19 (3)(A) is published”; and

20 (ii) in subparagraph (C), by sub-
21 stituting “the date of the enactment of the
22 Eliminating Global Market Distortions to
23 Protect American Jobs Act of 2021” for
24 “the filing of the inquiry request”.

1 (B) ACTIONS WITH RESPECT TO INQUIRY
2 REQUESTS.—In this case of a circumvention in-
3 quiry described in paragraph (1)(C), the admin-
4 istering authority (as defined in section 771(1)
5 of the Tariff Act of 1930 (19 U.S.C. 1677(1)))
6 shall, not later than 45 days after the date of
7 the enactment of this Act, take an action de-
8 scribed in subsection (f)(3) of section 781 of
9 the Tariff Act of 1930, as amended by section
10 102201(a), with respect to the inquiry.

11 **TITLE III—IMPORT SECURITY**
12 **AND FAIRNESS ACT**

13 **SEC. 103001. SHORT TITLE.**

14 This title may be cited as the “Import Security and
15 Fairness Act”.

16 **SEC. 103002. ADDITIONAL EXCEPTIONS TO EXEMPTIONS**
17 **FOR DE MINIMIS TREATMENT UNDER THE**
18 **TARIFF ACT OF 1930.**

19 Section 321 of the Tariff Act of 1930 (19 U.S.C.
20 1321) is amended—

21 (1) in subsection (a)—

22 (A) in the matter preceding paragraph (1),
23 by striking “(a) The Secretary” and inserting
24 “(a) IN GENERAL.—The Secretary”;

1 (B) in paragraph (2)(C), by striking
2 “\$800” and inserting “except as provided in
3 subsection (b)(1), \$800”; and

4 (C) in the matter following such paragraph
5 (2)(C), as so amended, by striking “subdivision
6 (2)” each place it appears and inserting “para-
7 graph”; and

8 (2) by striking “(b) The Secretary” and insert-
9 ing the following:

10 “(b) EXCEPTIONS.—

11 “(1) IN GENERAL.—An article may not be ad-
12 mitted free of duty or tax under the authority pro-
13 vided by subsection (a)(2)(C) if the country of origin
14 of such article is—

15 “(A) a nonmarket economy country (as
16 such term is defined in section 771(18)); and

17 “(B) a country included in the priority
18 watch list (as such term is defined in section
19 182(g)(3) of the Trade Act of 1974 (19 U.S.C.
20 2242(g)(3)).

21 “(2) OTHER EXCEPTIONS.—The Secretary”.

1 **SEC. 103003. ADDITIONAL ADMINISTRATIVE PROVISIONS**
2 **RELATING TO DE MINIMIS TREATMENT**
3 **UNDER THE TARIFF ACT OF 1930.**

4 (a) ADMINISTRATIVE EXEMPTIONS.—Section 321 of
5 the Tariff Act of 1930 (19 U.S.C. 1321), as amended by
6 section 103002, is further amended by adding at the end
7 the following:

8 “(c) SUBMISSION OF DOCUMENTATION AND INFOR-
9 MATION.—

10 “(1) IN GENERAL.—For any articles that may
11 qualify for an administrative exemption pursuant to
12 subsection (a)(2), the Secretary of the Treasury is
13 authorized to prescribe regulations to authorize or
14 require the submission, transmission, or otherwise
15 making available of such documentation or informa-
16 tion to U.S. Customs and Border Protection as the
17 Secretary determines is reasonably necessary for
18 U.S. Customs and Border Protection to determine
19 the eligibility of such articles to qualify for such ex-
20 emption.

21 “(2) MATTERS TO BE INCLUDED.—The regula-
22 tions prescribed pursuant to paragraph (1) may pro-
23 vide that such documentation or information include
24 documentation or information regarding the offer for
25 sale or purchase, or the subsequent sale, purchase,
26 transportation, importation or warehousing of such

1 articles, including such documentation or informa-
2 tion relating to the offering of such articles for sale
3 or purchase in the United States through a commer-
4 cial or marketing platform, including an electronic
5 commercial or marketing platform.

6 “(3) VERACITY OF DOCUMENTATION AND IN-
7 FORMATION.—

8 “(A) IN GENERAL.—The regulations pre-
9 scribed pursuant to paragraph (1) shall provide
10 that—

11 “(i) such documentation or informa-
12 tion is true and correct to the best of the
13 knowledge and belief of the party submit-
14 ting, transmitting, or otherwise making
15 available such documentation or informa-
16 tion, subject to any penalties authorized by
17 law; or

18 “(ii) if such party is not able to rea-
19 sonably verify whether such documentation
20 or information is true and correct to the
21 best of the knowledge and belief of the
22 party, such documentation or information
23 may be submitted, transmitted, or other-
24 wise made available on the basis of what

1 the party reasonably believes to be true
2 and correct.

3 “(B) USE FOR ANY LAWFUL PURPOSE.—

4 Such documentation or information may be
5 used by U.S. Customs and Border Protection
6 for any lawful purpose.

7 “(4) CIVIL PENALTIES.—Any person who vio-
8 lates the regulations prescribed pursuant to para-
9 graph (1) is liable for a civil penalty of \$5,000 for
10 the first violation, and \$10,000 for each subsequent
11 violation. A penalty imposed under this paragraph is
12 in addition to any other penalty provided by law.

13 “(d) IMPORTATIONS INVOLVING SUSPENDED OR
14 DEBARRED PERSONS.—The Secretary of the Treasury is
15 authorized to prescribe regulations to authorize exceptions
16 to any administrative exemption pursuant to subsection
17 (a) for any articles the importation of which is caused or
18 otherwise facilitated by any person suspended or debarred
19 from doing business with the Federal government at the
20 time of the importation. ”.

21 (b) EXAMINATION OF MERCHANDISE.—Section
22 499(c) of the Tariff Act of 1930 (19 U.S.C. 1499(c)) is
23 amended—

1 (1) by striking “the Customs Service” each
2 place it appears and inserting “U.S. Customs and
3 Border Protection”; and

4 (2) in paragraph (2)—

5 (A) in the first sentence, by striking “The
6 Customs Service” and inserting the following:

7 “(A) IN GENERAL.—U.S. Customs and
8 Border Protection”;

9 (B) in the second sentence—

10 (i) by striking “The” and inserting
11 the following:

12 “(B) INFORMATION TO BE INCLUDED.—
13 The”; and

14 (ii) by redesignating the subsequent
15 subparagraphs (A), (B), (C), (D), and (E)
16 as clauses (i), (ii), (iii), (iv), and (v), re-
17 spectively, and moving the margins of such
18 clauses, as redesignated, 2 ems to the
19 right; and

20 (C) by adding at the end the following:

21 “(C) ADDITIONAL REQUIREMENTS RELAT-
22 ING TO MERCHANDISE THAT MAY QUALIFY FOR
23 CERTAIN ADMINISTRATIVE EXEMPTIONS.—

24 “(i) IN GENERAL.—In the case of de-
25 tained merchandise that may qualify for an

1 administrative exemption pursuant to sec-
2 tion 321(a)(2)(C), U.S. Customs and Bor-
3 der Protection shall issue such notice to
4 each party that U.S. Customs and Border
5 Protections determines may have an inter-
6 est in the detained merchandise, based on
7 information reasonably available to U.S.
8 Customs and Border Protection, in such
9 form and manner as the Secretary of the
10 Treasury shall by regulation prescribe.

11 “(ii) VOLUNTARY ABANDONMENT OF
12 MERCHANDISE.—In the case of detained
13 merchandise that may qualify for an ad-
14 ministrative exemption pursuant to section
15 321(a)(2)(C), such notice shall also advise
16 each such interested party that, in lieu of
17 supplying information to U.S. Customs
18 and Border Protection in accordance with
19 subparagraph (B)(v), the interested parties
20 may voluntarily abandon the detained mer-
21 chandise.

22 “(iii) ABANDONMENT DUE TO LACK
23 OF RESPONSE.—If U.S. Customs and Bor-
24 der Protection does not receive a response
25 from each interested party in detained

1 merchandise that may qualify for an ad-
2 ministrative exemption pursuant to section
3 321(a)(2)(C) within 15 days of the date on
4 which such notice is issued to the inter-
5 ested parties, the merchandise shall be
6 deemed to be abandoned and title to such
7 merchandise shall be vested in the United
8 States and disposed of in accordance with
9 law. ”.

10 **SEC. 103004. EFFECTIVE DATE.**

11 The amendments made by this title shall apply with
12 respect to articles entered, or withdrawn from warehouse
13 for consumption, on or after the 15th day after the date
14 of the enactment of this Act.

15 **TITLE IV—NATIONAL CRITICAL**
16 **CAPABILITIES REVIEWS**

17 **SEC. 104001. NATIONAL CRITICAL CAPABILITIES REVIEWS.**

18 (a) IN GENERAL.—The Trade Act of 1974 (19
19 U.S.C. 2101 et seq.) is amended by adding at the end
20 the following:

21 **“TITLE X—NATIONAL CRITICAL**
22 **CAPABILITIES REVIEWS**

23 **“SEC. 1001. DEFINITIONS.**

24 “In this title:

1 “(1) APPROPRIATE CONGRESSIONAL COMMIT-
2 TEES.—The term ‘appropriate congressional com-
3 mittees’ means—

4 “(A) the Committee on Finance, the Com-
5 mittee on Armed Services, the Committee on
6 Banking, Housing, and Urban Affairs, the
7 Committee on Commerce, Science, and Trans-
8 portation, the Committee on Health, Education,
9 Labor, and Pensions, and the Committee on
10 Homeland Security and Governmental Affairs
11 of the Senate; and

12 “(B) the Committee on Ways and Means,
13 the Committee on Armed Services, the Com-
14 mittee on Education and Labor, the Committee
15 on Financial Services, the Committee on Home-
16 land Security, and the Committee on Transpor-
17 tation and Infrastructure of the House of Rep-
18 resentatives.

19 “(2) COMMITTEE.—The term ‘Committee’
20 means the Committee on National Critical Capabili-
21 ties established under section 1002.

22 “(3) CONTROL.—The term ‘control’ means the
23 power, direct or indirect, whether exercised or not
24 exercised, to determine, direct, or decide important

1 matters affecting an entity, subject to regulations
2 prescribed by the Committee.

3 “(4) COUNTRY OF CONCERN.—The term ‘coun-
4 try of concern’—

5 “(A) has the meaning given the term ‘for-
6 eign adversary’ in section 8(c)(2) of the Secure
7 and Trusted Communications Networks Act of
8 2019 (47 U.S.C. 1607(c)(2)); and

9 “(B) may include a nonmarket economy
10 country (as defined in section 771(18) of the
11 Tariff Act of 1930 (19 U.S.C. 1677(18))) iden-
12 tified by the Committee for purposes of this
13 paragraph by regulation.

14 “(5) COVERED TRANSACTION.—

15 “(A) IN GENERAL.—Except as otherwise
16 provided, the term ‘covered transaction’ means
17 any of the following transactions, proposed or
18 pending on or after the date of the enactment
19 of this title:

20 “(i) Any transaction by a United
21 States business that—

22 “(I) shifts or relocates to a coun-
23 try of concern, or transfers to an enti-
24 ty of concern, the design, develop-
25 ment, production, manufacture, fab-

1 rication, supply, servicing, testing,
2 management, operation, investment,
3 ownership, or any other essential ele-
4 ments involving one or more national
5 critical capabilities identified under
6 subparagraph (B)(ii); or

7 “(II) could result in an unaccept-
8 able risk to a national critical capa-
9 bility.

10 “(ii) Any other transaction, transfer,
11 agreement, or arrangement, the structure
12 of which is designed or intended to evade
13 or circumvent the application of this title,
14 subject to regulations prescribed by the
15 Committee.

16 “(B) REGULATIONS.—

17 “(i) IN GENERAL.—The Committee
18 shall prescribe regulations further defining
19 the term ‘covered transaction’ in accord-
20 ance with subchapter II of chapter 5, and
21 chapter 7, of title 5, United States Code
22 (commonly known as the ‘Administrative
23 Procedure Act’).

24 “(ii) IDENTIFICATION OF NATIONAL
25 CRITICAL CAPABILITIES.—For purposes of

1 subparagraph (A)(I), the regulations pre-
2 scribed by the Committee under clause (i)
3 shall—

4 “(I) identify the national critical
5 capabilities subject to that subpara-
6 graph based on criteria intended to
7 limit application of that subparagraph
8 to the subset of national critical capa-
9 bilities that is likely to pose an unac-
10 ceptable risk to the national security
11 and crisis preparedness of the United
12 States; and

13 “(II) enumerate, quantify,
14 prioritize, and set forth sufficient al-
15 lowances of, specific types and exam-
16 ples of such capabilities.

17 “(6) CRISIS PREPAREDNESS.—The term ‘crisis
18 preparedness’ means preparedness for—

19 “(A) a public health emergency declared
20 under section 319 of the Public Health Service
21 Act (42 U.S.C. 247d); or

22 “(B) a major disaster declared under sec-
23 tion 401 of the Robert T. Stafford Disaster Re-
24 lief and Emergency Assistance Act (42 U.S.C.
25 5170).

1 “(7) CRITICAL INFRASTRUCTURE.—The term
2 ‘critical infrastructure’ means systems and assets,
3 whether physical or virtual, so vital to the United
4 States that the incapacity or destruction of such sys-
5 tems and assets would have a debilitating impact on
6 national security, national economic security, na-
7 tional public health or safety, or any combination of
8 those matters.

9 “(8) ENTITY OF CONCERN.—The term ‘entity
10 of concern’ means an entity—

11 “(A) the ultimate parent entity of which is
12 domiciled in a country of concern; or

13 “(B) that is directly or indirectly controlled
14 by, owned by, or subject to the influence of a
15 foreign person that has a substantial nexus
16 with a country of concern.

17 “(9) FOREIGN ENTITY.—

18 “(A) IN GENERAL.—Except as provided by
19 subparagraph (B), the term ‘foreign entity’
20 means any branch, partnership, group or sub-
21 group, association, estate, trust, corporation or
22 division of a corporation, or organization orga-
23 nized under the laws of a foreign country if—

24 “(i) its principal place of business is
25 outside the United States; or

1 “(ii) its equity securities are primarily
2 traded on one or more foreign exchanges.

3 “(B) EXCEPTION.—The term ‘foreign enti-
4 ty’ does not include any entity described in sub-
5 paragraph (A) that can demonstrate that a ma-
6 jority of the equity interest in such entity is ul-
7 timately owned by nationals of the United
8 States.

9 “(10) FOREIGN PERSON.—The term ‘foreign
10 person’ means—

11 “(A) any foreign national, foreign govern-
12 ment, or foreign entity;

13 “(B) any entity over which control is exer-
14 cised or exercisable by a foreign national, for-
15 eign government, or foreign entity; or

16 “(C) any entity over which control is exer-
17 cised or exercisable by a person described in
18 subparagraph (A) or (B).

19 “(11) NATIONAL CRITICAL CAPABILITIES.—The
20 term ‘national critical capabilities’, subject to regula-
21 tions prescribed by the Committee—

22 “(A) means systems and assets, whether
23 physical or virtual, so vital to the United States
24 that the inability to develop such systems and
25 assets or the incapacity or destruction of such

1 systems or assets would have a debilitating im-
2 pact on national security or crisis preparedness;
3 and

4 “(B) includes the following:

5 “(i) The production, in sufficient
6 quantities, of any of the following articles:

7 “(I) Medical supplies, medicines,
8 and personal protective equipment.

9 “(II) Articles essential to the op-
10 eration, manufacture, supply, service,
11 or maintenance of critical infrastruc-
12 ture.

13 “(III) Articles critical to infra-
14 structure construction after a natural
15 or manmade disaster.

16 “(IV) Articles that are compo-
17 nents of systems critical to the oper-
18 ation of weapons systems, intelligence
19 collection systems, or items critical to
20 the conduct of military or intelligence
21 operations.

22 “(V) Any other articles identified
23 in regulations prescribed under sec-
24 tion 1007.

1 “(ii) Supply chains for the production
2 of articles described in clause (i).

3 “(iii) Essential supply chains for the
4 Department of Defense.

5 “(iv) Any other supply chains identi-
6 fied in regulations prescribed under section
7 1007.

8 “(v) Services critical to the production
9 of articles described in clause (i) or a sup-
10 ply chain described in clause (ii), (iii), or
11 (iv).

12 “(vi) Medical services.

13 “(vii) Services critical to the mainte-
14 nance of critical infrastructure.

15 “(viii) Services critical to infrastruc-
16 ture construction after a natural or man-
17 made disaster.

18 “(ix) Any other services identified in
19 regulations prescribed under section 1007.

20 “(12) NATIONAL SECURITY.—The term ‘na-
21 tional security’ includes—

22 “(A) national security, as defined in sec-
23 tion 721(a) of the Defense Production Act of
24 1950 (50 U.S.C. 4565(a));

1 “(B) national defense, as defined in section
2 702 of that Act (50 U.S.C. 4552); and

3 “(C) agricultural security and natural re-
4 sources security.

5 “(13) PARTY.—The term ‘party’, with respect
6 to a transaction, has the meaning given that term in
7 regulations prescribed by the Committee.

8 “(14) UNITED STATES.—The term ‘United
9 States’ means the several States, the District of Co-
10 lumbia, and any territory or possession of the
11 United States.

12 “(15) UNITED STATES BUSINESS.—The term
13 ‘United States business’ means a person engaged in
14 interstate commerce in the United States.

15 **“SEC. 1002. COMMITTEE ON NATIONAL CRITICAL CAPABILI-**
16 **TIES.**

17 “(a) IN GENERAL.—There is established a com-
18 mittee, to be known as the ‘Committee on National Crit-
19 ical Capabilities’, which shall carry out this title and such
20 other assignments as the President may designate.

21 “(b) MEMBERSHIP.—

22 “(1) IN GENERAL.—The Committee shall be
23 comprised of the head, or a designee of the head, of
24 each of the following:

1 “(A) The Office of the United States
2 Trade Representative.

3 “(B) The Department of Commerce.

4 “(C) The Office of Science and Technology
5 Policy.

6 “(D) The Department of the Treasury.

7 “(E) The Department of Homeland Secu-
8 rity.

9 “(F) The Department of Defense.

10 “(G) The Department of State.

11 “(H) The Department of Justice.

12 “(I) The Department of Energy.

13 “(J) The Department of Health and
14 Human Services.

15 “(K) The Department of Agriculture.

16 “(L) The Department of Labor.

17 “(M) Any other Federal agency the Presi-
18 dent determines appropriate, generally or on a
19 case-by-case basis.

20 “(2) EX OFFICIO MEMBERS.—

21 “(A) IN GENERAL.—In addition to the
22 members of the Committee specified in para-
23 graph (1), the following shall, except as pro-
24 vided in subparagraph (B), be nonvoting, ex
25 officio members of the Committee:

1 “(i) The Director of National Intel-
2 ligence.

3 “(ii) The Administrator of the Fed-
4 eral Emergency Management Agency.

5 “(iii) The Director of the National In-
6 stitute of Standards and Technology.

7 “(iv) The Director of the Centers for
8 Disease Control and Prevention.

9 “(v) The Director of the National In-
10 stitute of Allergy and Infectious Diseases.

11 “(vi) The Chairperson of the Federal
12 Communications Commission.

13 “(vii) The Chairperson of the Securi-
14 ties and Exchange Commission.

15 “(viii) The Chairperson of the Com-
16 modity Futures Trading Commission.

17 “(ix) The Administrator of the Fed-
18 eral Aviation Administration.

19 “(B) DESIGNATION AS VOTING MEM-
20 BERS.—The chairperson of the Committee may
21 designate any of the officials specified in
22 clauses (ii) through (ix) of subparagraph (A) as
23 voting members of the Committee.

24 “(c) CHAIRPERSON.—

1 “(1) IN GENERAL.—The United States Trade
2 Representative shall serve as the chairperson of the
3 Committee.

4 “(2) CONSULTATIONS WITH SECRETARIES OF
5 DEFENSE AND COMMERCE.—In carrying out the du-
6 ties of the chairperson of the Committee, the United
7 States Trade Representative shall consult with the
8 Secretary of Defense and the Secretary of Com-
9 merce.

10 “(d) DESIGNATION OF OFFICIALS TO CARRY OUT
11 DUTIES RELATED TO COMMITTEE.—The head of each
12 agency represented on the Committee shall designate an
13 official, at or equivalent to the level of Assistant Secretary
14 in the Department of the Treasury, who is appointed by
15 the President, by and with the advice and consent of the
16 Senate, to carry out such duties related to the Committee
17 as the head of the agency may assign.

18 **“SEC. 1003. REVIEW OF COVERED TRANSACTIONS.**

19 “(a) MANDATORY NOTIFICATION.—A United States
20 business that engages in a covered transaction shall sub-
21 mit a written notification of the transaction to the Com-
22 mittee.

23 “(b) REVIEW.—

1 “(1) IN GENERAL.—Not later than 60 days
2 after receiving written notification under subsection
3 (a) of a covered transaction, the Committee may—

4 “(A) review the transaction to determine if
5 the transaction is likely to result in an unac-
6 ceptable risk to one or more national critical ca-
7 pabilities, including by considering factors spec-
8 ified in section 1005; and

9 “(B) if the Committee determines under
10 subparagraph (A) that the transaction poses a
11 risk described in that subparagraph, make rec-
12 ommendations—

13 “(i) to the President for appropriate
14 action that may be taken under this title
15 or under other existing authorities to ad-
16 dress or mitigate that risk; and

17 “(ii) to Congress for the establish-
18 ment or expansion of Federal programs to
19 support the production or supply of articles
20 and services described in section
21 1001(a)(11)(B) in the United States.

22 “(2) UNILATERAL INITIATION OF REVIEW.—
23 The Committee may initiate a review under para-
24 graph (1) of a covered transaction for which written
25 notification is not submitted under subsection (a).

1 “(3) INITIATION OF REVIEW BY REQUEST FROM
2 CONGRESS.—The Committee shall initiate a review
3 under paragraph (1) of a covered transaction if the
4 chairperson and the ranking member of one of the
5 appropriate congressional committees jointly request
6 the Committee to review the transaction.

7 “(c) TREATMENT OF BUSINESS CONFIDENTIAL IN-
8 FORMATION.—A United States business shall submit each
9 notification required by subsection (a) to the Committee—

10 “(1) in a form that includes business confiden-
11 tial information; and

12 “(2) in a form that omits business confidential
13 information and is appropriate for disclosure to the
14 public.

15 **“SEC. 1004. ACTION BY THE PRESIDENT.**

16 “(a) IN GENERAL.—Subject to subsection (d), the
17 President may take such action for such time as the Presi-
18 dent considers appropriate to address or mitigate any un-
19 acceptable risk posed by a covered transaction to one or
20 more national critical capabilities, including suspending or
21 prohibiting the covered transaction.

22 “(b) ANNOUNCEMENT BY THE PRESIDENT.—The
23 President shall announce the decision on whether or not
24 to take action pursuant to subsection (a) with respect to
25 a covered transaction not later than 15 days after the date

1 on which the review of the transaction under section 1003
2 is completed.

3 “(c) ENFORCEMENT.—The President may direct the
4 Attorney General of the United States to seek appropriate
5 relief, including divestment relief, in the district courts of
6 the United States, in order to implement and enforce this
7 section.

8 “(d) FINDINGS OF THE PRESIDENT.—The President
9 may exercise the authority conferred by subsection (a) to
10 suspend or prohibit a covered transaction only if the Presi-
11 dent finds that—

12 “(1) there is credible evidence that leads the
13 President to believe that the transaction poses an
14 unacceptable risk to one or more national critical ca-
15 pabilities; and

16 “(2) provisions of law (other than this section)
17 do not, in the judgment of the President, provide
18 adequate and appropriate authority for the Presi-
19 dent to protect such capabilities.

20 “(e) FACTORS TO BE CONSIDERED.—For purposes
21 of determining whether to take action under subsection
22 (a), the President shall consider, among other factors,
23 each of the factors described in section 1005, as appro-
24 priate.

1 **“SEC. 1005. FACTORS TO BE CONSIDERED.**

2 “The Committee, in reviewing and making a deter-
3 mination with respect to a covered transaction under sec-
4 tion 1003, and the President, in determining whether to
5 take action under section 1004 with respect to a covered
6 transaction, shall consider any factors relating to national
7 critical capabilities that the Committee or the President
8 considers relevant, including—

9 “(1) the long-term strategic economic, national
10 security, and crisis preparedness interests of the
11 United States;

12 “(2) the history of distortive or predatory trade
13 practices in each country in which a foreign person
14 that is a party to the transaction is domiciled;

15 “(3) control and beneficial ownership (as deter-
16 mined in accordance with section 847 of the Na-
17 tional Defense Authorization Act for Fiscal Year
18 2020 (Public Law 116–92; 10 U.S.C. 2509 note)) of
19 each foreign person that is a party to the trans-
20 action; and

21 “(4) impact on the domestic industry and re-
22 sulting resiliency, including the domestic skills base,
23 taking into consideration any pattern of foreign in-
24 vestment in the domestic industry.

1 **“SEC. 1006. SUPPLY CHAIN SENSITIVITIES.**

2 “The Committee shall determine the sensitivities and
3 risks for sourcing of articles described in section
4 1001(a)(11)(B)(i), in accordance with the following:

5 “(1) The sourcing of least concern shall be arti-
6 cles the supply chains for which are housed in whole
7 within countries that are allies of the United States.

8 “(2) The sourcing of greater concern shall be
9 articles the supply chains for which are housed in
10 part within countries of concern or from an entity
11 of concern but for which substitute production is
12 available from elsewhere at required scale.

13 “(3) The sourcing of greatest concern shall be
14 articles the supply chains for which are housed whol-
15 ly or in part in countries of concern or from an enti-
16 ty of concern and for which substitute production is
17 unavailable elsewhere at required scale.

18 **“SEC. 1007. IDENTIFICATION OF ADDITIONAL NATIONAL**
19 **CRITICAL CAPABILITIES.**

20 “(a) IN GENERAL.—The Committee should prescribe
21 regulations to identify additional articles, supply chains,
22 and services to recommend for inclusion in the definition
23 of ‘national critical capabilities’ under section
24 1001(a)(11).

25 “(b) REVIEW OF INDUSTRIES.—

1 “(1) IN GENERAL.—In identifying under sub-
2 section (a) additional articles, supply chains, and
3 services to recommend for inclusion in the definition
4 of ‘national critical capabilities’ under section
5 1001(a)(11), the Committee should conduct a review
6 of industries identified by Federal Emergency Man-
7 agement Agency as carrying out emergency support
8 functions, including the following industries:

9 “(A) Energy.

10 “(B) Medical.

11 “(C) Communications, including electronic
12 and communications components.

13 “(D) Defense.

14 “(E) Transportation.

15 “(F) Aerospace, including space launch.

16 “(G) Robotics.

17 “(H) Artificial intelligence.

18 “(I) Semiconductors.

19 “(J) Shipbuilding.

20 “(K) Water, including water purification.

21 “(2) QUANTIFICATION.—In conducting a review
22 of industries under paragraph (1), the Committee
23 should specify the quantity of articles, supply chains,
24 and services, and specific types and examples of

1 transactions, from each industry sufficient to main-
2 tain national critical capabilities.

3 **“SEC. 1008. REPORTING REQUIREMENTS.**

4 “(a) ANNUAL REPORT TO CONGRESS.—

5 “(1) IN GENERAL.—Not later than 90 days
6 after the date of the enactment of the National Crit-
7 ical Capabilities Defense Act of 2021, and annually
8 thereafter, the Committee shall submit to the appro-
9 priate congressional committees a report—

10 “(A) on the determination under section
11 1006 with respect to sensitivities and risks for
12 sourcing of articles described in section
13 1001(a)(11)(B)(i);

14 “(B) assessing whether identification of
15 additional national critical capabilities under
16 section 1007 is necessary; and

17 “(C) describing, for the year preceding
18 submission of the report—

19 “(i) the notifications received under
20 subsection (a) of section 1003 and reviews
21 conducted pursuant to such notifications;

22 “(ii) reviews initiated under para-
23 graph (2) or (3) of subsection (b) of that
24 section;

1 “(iii) actions recommended by the
2 Committee under subsection (b)(1)(B) of
3 that section as a result of such reviews;
4 and

5 “(iv) reviews during which the Com-
6 mittee determined no action was required;
7 and

8 “(D) assessing the overall impact of such
9 reviews on national critical capabilities.

10 “(2) FORM OF REPORT.—The report required
11 by paragraph (1) shall be submitted in unclassified
12 form but may include a classified annex.

13 “(b) USE OF DEFENSE PRODUCTION ACT OF 1950
14 AUTHORITIES.—Not later than 180 days after the date
15 of the enactment of the National Critical Capabilities De-
16 fense Act of 2021, the Committee shall submit to Congress
17 a report that includes recommendations relating to use the
18 authorities under title III of the Defense Production Act
19 of 1950 (50 U.S.C. 4531 et seq.) to make investments
20 to enhance national critical capabilities and reduce de-
21 pendency on materials and services imported from foreign
22 countries.

23 **“SEC. 1009. REQUIREMENT FOR REGULATIONS.**

24 “(a) IN GENERAL.—The Committee shall prescribe
25 regulations to carry out this title.

1 “(b) ELEMENTS.—Regulations prescribed to carry
2 out this title shall—

3 “(1) provide for the imposition of civil penalties
4 for any violation of this title, including any mitiga-
5 tion agreement entered into, conditions imposed, or
6 order issued pursuant to this title; and

7 “(2) include specific examples of the types of—

8 “(A) the transactions that will be consid-
9 ered to be covered transactions; and

10 “(B) the articles, supply chains, and serv-
11 ices that will be considered to be national crit-
12 ical capabilities.

13 “(c) COORDINATION.—In prescribing regulations to
14 carry out this title, the Committee shall coordinate with
15 the United States Trade Representative, the Under Sec-
16 retary of Commerce for Industry and Security, and the
17 Committee on Foreign Investment in the United States
18 to avoid duplication of effort.

19 **“SEC. 1010. REQUIREMENTS RELATED TO GOVERNMENT**
20 **PROCUREMENT.**

21 “(a) IN GENERAL.—Not later than 90 days after the
22 date of the enactment of the National Critical Capabilities
23 Defense Act of 2021, the Federal Acquisition Regulation
24 shall be revised to require each person that is a prospective
25 contractor for an executive agency to disclose the supply

1 chains the person would use to carry out the contract and
2 the extent to which the person would depend on articles
3 and services imported from foreign countries, including
4 the percentage of such materials and services imported
5 from countries of concern.

6 “(b) MATERIALITY.—The head of an executive agen-
7 cy shall consider the failure of a person to make the disclo-
8 sures required by subsection (a) to be material deter-
9 minants in awarding a contract to that person.

10 “(c) APPLICABILITY.—The revisions to the Federal
11 Acquisition Regulation required under subsection (a) shall
12 apply with respect to contracts for which solicitations are
13 issued on or after the date that is 90 days after the date
14 of the enactment of the National Critical Capabilities De-
15 fense Act of 2021.

16 “(d) DEFINITIONS.—In this section:

17 “(1) EXECUTIVE AGENCY.—The term ‘executive
18 agency’ has the meaning given that term in section
19 133 of title 41, United States Code.

20 “(2) FEDERAL ACQUISITION REGULATION.—
21 The term ‘Federal Acquisition Regulation’ means
22 the regulation issued pursuant to section 1303(a)(1)
23 of title 41, United States Code.

1 **“SEC. 1011. MULTILATERAL ENGAGEMENT AND COORDINA-**
2 **TION.**

3 “The United States Trade Representative—

4 “(1) should, in coordination and consultation
5 with relevant Federal agencies, conduct multilateral
6 engagement with the governments of countries that
7 are allies of the United States to secure coordination
8 of protocols and procedures with respect to covered
9 transactions with countries of concern; and

10 “(2) upon adoption of protocols and procedures
11 described in paragraph (1), shall work with those
12 governments to establish information sharing re-
13 gimes.

14 **“SEC. 1012. AUTHORIZATION OF APPROPRIATIONS.**

15 “There are authorized to be appropriated such sums
16 as may be necessary to carry out this title, including to
17 provide outreach to industry and persons affected by this
18 title.

19 **“SEC. 1013. RULE OF CONSTRUCTION WITH RESPECT TO**
20 **FREE AND FAIR COMMERCE.**

21 “Nothing in this title may be construed as prohibiting
22 or limiting the free and fair flow of commerce outside of
23 the United States that does not pose an unacceptable risk
24 to a national critical capability.”.

1 (b) CLERICAL AMENDMENT.—The table of contents
2 for the Trade Act of 1974 is amended by adding at the
3 end the following:

“TITLE X—NATIONAL CRITICAL CAPABILITIES REVIEWS

“Sec. 1001. Definitions.

“Sec. 1002. Committee on National Critical Capabilities.

“Sec. 1003. Review of covered transactions.

“Sec. 1004. Action by the President.

“Sec. 1005. Factors to be considered.

“Sec. 1006. Supply chain sensitivities.

“Sec. 1007. Identification of additional national critical capabilities.

“Sec. 1008. Reporting requirements.

“Sec. 1009. Requirement for regulations.

“Sec. 1010. Requirements related to government procurement.

“Sec. 1011. Multilateral engagement and coordination.

“Sec. 1012. Authorization of appropriations.

“Sec. 1013. Rule of construction with respect to free and fair commerce.”.

4 **TITLE V—MODIFICATION AND**
5 **EXTENSION OF GENERALIZED**
6 **SYSTEM OF PREFERENCES**

7 **SEC. 105001. MODIFICATION AND EXTENSION OF GENERAL-**
8 **IZED SYSTEM OF PREFERENCES.**

9 (a) DESIGNATION OF BENEFICIARY DEVELOPING
10 COUNTRIES.—Section 502 of the Trade Act of 1974 (19
11 U.S.C. 2462) is amended—

12 (1) in subsection (b)(2)—

13 (A) in subparagraph (G), by striking “has
14 not taken or is not taking steps to” and insert-
15 ing “fails to effectively”;

16 (B) by inserting after subparagraph (H)
17 the following:

1 “(I) Such country engages in gross viola-
2 tions of internationally recognized human rights
3 in that country (including any designated zone
4 in that country).

5 “(J) Such country fails to effectively en-
6 force its environmental laws, regulations, or
7 other measures, or to fulfill its international en-
8 vironmental obligations, including as such obli-
9 gations relate to public health.”; and

10 (C) in the text following subparagraph (J)
11 (as so inserted), by striking “and (H) (to the
12 extent described in section 507(6)(D))” and in-
13 serting “(H) (to the extent described in section
14 507(6)(D)), (I), and (J)”;

15 (2) in subsection (c)—

16 (A) in paragraph (6)(B), by striking “;
17 and” and inserting a semicolon;

18 (B) in paragraph (7)—

19 (i) by striking “has taken or is taking
20 steps to afford” and inserting “effectively
21 affords”; and

22 (ii) by striking the period at the end
23 and inserting a semicolon; and

24 (C) by adding at the end the following:

1 “(8) the extent to which such country effec-
2 tively enforces its environmental laws, regulations,
3 and other measures, and fulfills its international en-
4 vironmental obligations, including as such obliga-
5 tions relate to public health; and

6 “(9) the extent to which such country has es-
7 tablished, or is making continual progress toward es-
8 tablishing—

9 “(A) the rule of law, political pluralism,
10 and the right to due process, a fair trial, and
11 equal protection under the law;

12 “(B) economic policies to reduce poverty,
13 increase the availability of health care and edu-
14 cational opportunities, expand physical infra-
15 structure, promote the development of private
16 enterprise, and encourage the formation of cap-
17 ital markets through micro-credit or other pro-
18 grams; and

19 “(C) a system to combat corruption and
20 bribery, such as signing and implementing the
21 Convention on Combating Bribery of Foreign
22 Public Officials in International Business
23 Transactions.”; and

24 (3) by adding at the end the following:

1 “(g) ASSESSMENT AND REPORT ON COMPLIANCE
2 WITH ELIGIBILITY REQUIREMENTS.—

3 “(1) IN GENERAL.—The President shall—

4 “(A) on an annual basis—

5 “(i) conduct assessments on compli-
6 ance of an appropriate number of countries
7 designated as beneficiary developing coun-
8 tries for purposes of this title in meeting
9 or continuing to meet their eligibility re-
10 quirements under this title; and

11 “(ii) make determinations whether to
12 self-initiate full country practice reviews of
13 those countries’ continued eligibility under
14 this title; and

15 “(B) submit to Congress a report con-
16 sisting of the results of such assessments and
17 determinations.

18 “(2) FREQUENCY.—The President shall con-
19 duct an assessment described in clause (i) of para-
20 graph (1)(A) and make a determination described in
21 clause (ii) of such paragraph with respect to each
22 country designated as a beneficiary developing coun-
23 try for purposes of this title not less frequently than
24 once every 3 years.

1 “(h) REVIEW AND PUBLIC COMMENTS ON ELIGI-
2 BILITY REQUIREMENTS.—

3 “(1) IN GENERAL.—Not later than 60 days
4 after the date of enactment of this subsection, the
5 President shall establish a process to allow any in-
6 terested person, at any time, to file a petition with
7 the Office of the United States Trade Representative
8 to review compliance of beneficiary developing coun-
9 tries with the eligibility criteria set forth in this sec-
10 tion.

11 “(2) REVIEW.—

12 “(A) IN GENERAL.—Except as provided in
13 subparagraph (B), a review of compliance of a
14 beneficiary developing country with the eligi-
15 bility criteria set forth in this section may not
16 exceed a period of two years.

17 “(B) EXTENSION.—Such a review may be
18 extended for a longer period of time if extenu-
19 ating circumstances exist, as determined by the
20 United States Trade Representative.

21 “(C) PUBLIC HEARINGS.—The Trade Rep-
22 resentative shall hold annual public hearings
23 with respect to each review that is extended
24 under subparagraph (B).

1 “(3) PUBLICATION OF DETERMINATIONS RE-
2 LATING TO PETITIONS FOR REVIEW.—The United
3 States Trade Representative shall publish in the
4 Federal Register a notice of, and the rationale for,
5 any determination of the Trade Representative with
6 respect to a petition for review of the eligibility of
7 a country for designation as a beneficiary developing
8 country, including a determination—

9 “(A) to accept or deny such a petition;

10 “(B) to continue to review the eligibility of
11 the country; or

12 “(C) to withdraw, suspend, or limit the ap-
13 plication of duty-free treatment under this title
14 with respect to the country.”.

15 (b) SUPPLEMENTAL REVIEW AND REPORTING.—

16 (1) POLICY OF THE UNITED STATES.—It is the
17 policy of the United States to support equitable and
18 inclusive economic development in countries des-
19 ignated as beneficiary developing countries in ac-
20 cordance with the provisions of title V of the Trade
21 Act of 1974 (19 U.S.C. 2461 et seq.) that promotes
22 benefits for workers and individuals subjected to
23 persistent inequality, racial, ethnic, or gender dis-
24 crimination, or systemic or social barriers that con-

1 strain their full and free economic participation in
2 the global economy.

3 (2) REVIEW OF LAWS.—

4 (A) IN GENERAL.—Title V of the Trade
5 Act of 1974 (19 U.S.C. 2461 et seq.) is amend-
6 ed by inserting after section 504 the following:

7 **“SEC. 504A. REVIEW OF LAWS RELATING TO INTERNATION-**
8 **ALLY RECOGNIZED WORKER RIGHTS AND**
9 **EQUAL RIGHTS AND PROTECTION UNDER**
10 **THE LAW.**

11 “(a) IN GENERAL.—Not later than May 1, 2022, and
12 annually thereafter, the United States Trade Representa-
13 tive and the Deputy Undersecretary of Labor for Inter-
14 national Affairs, in consultation with the policy advisory
15 committee on labor established under section 135(c)(1),
16 shall jointly—

17 “(1) review the laws of each beneficiary devel-
18 oping country relating to internationally recognized
19 worker rights and the affording of equal rights and
20 protection under the law, regardless of gender, in
21 each of the categories described in subsection (b);

22 “(2) assess the legal rights and protections af-
23 forded in such countries; and

1 “(3) submit to Congress a report on the laws
2 of and legal rights and protections afforded in such
3 countries.

4 “(b) CATEGORIES DESCRIBED.—The categories de-
5 scribed in this subsection are the following:

6 “(1) Internationally recognized worker rights.

7 “(2) Mobility.

8 “(3) Employment conditions, benefits and pay,
9 including equal pay for equal work and removal of
10 employment restrictions.

11 “(4) Entrepreneurship.

12 “(5) Assets, including property and inheritance
13 rights.

14 “(6) Equal access to education.

15 “(7) Access to institutions.

16 “(8) Protections from violence and harassment,
17 including gender-based violence and harassment.

18 “(9) Marriage, divorce, and child custody.

19 “(c) METHODOLOGY AND SOURCES.—The report re-
20 quired by subsection (a)(3) shall include—

21 “(1) an explanation of the methodology and
22 sources used for the conduct of reviews under sub-
23 section (a)(1) and the conduct of assessments under
24 subsection (a)(2); and

1 “(2) where relevant, citations to data, informa-
 2 tion, studies, and assessments that were used to pre-
 3 pare the report and were gathered, compiled, or de-
 4 veloped by the United States Government, foreign
 5 governments, multilateral institutions, nongovern-
 6 mental organizations, or educational institutions.

7 “(d) MEASUREMENT OF WOMEN’S ECONOMIC EM-
 8 POWERMENT.—To support the measurement of women’s
 9 economic empowerment, the Trade Representative shall
 10 encourage and support the reporting by beneficiary devel-
 11 oping countries of sex-disaggregated economic and busi-
 12 ness data, including the gathering of information con-
 13 sistent with the United Nations Sustainable Development
 14 Goals, particularly the goals relating to gender equality
 15 and decent work.”.

16 (B) CLERICAL AMENDMENT.—The table of
 17 contents for the Trade Act of 1974 is amended
 18 by inserting after the item relating to section
 19 504 the following:

“Sec. 504A. Review of laws relating to internationally recognized worker rights
 and equal rights and protection under the law.”.

20 (c) EXTENSION OF GENERALIZED SYSTEM OF PREF-
 21 ERENCES.—

22 (1) IN GENERAL.—Section 505 of the Trade
 23 Act of 1974 (19 U.S.C. 2465) is amended by strik-

1 ing “December 31, 2020” and inserting “December
2 31, 2024”.

3 (2) EFFECTIVE DATE.—

4 (A) IN GENERAL.—The amendment made
5 by paragraph (1) shall apply to articles entered
6 on or after the 30th day after the date of the
7 enactment of this Act.

8 (B) RETROACTIVE APPLICATION FOR CER-
9 TAIN LIQUIDATIONS AND RELIQUIDATIONS.—

10 (i) IN GENERAL.—Notwithstanding
11 section 514 of the Tariff Act of 1930 (19
12 U.S.C. 1514) or any other provision of law
13 and subject to clause (ii), any entry of a
14 covered article to which duty-free treat-
15 ment or other preferential treatment under
16 title V of the Trade Act of 1974 (19
17 U.S.C. 2461 et seq.) would have applied if
18 the entry had been made on December 31,
19 2020, that was made—

20 (I) after December 31, 2020, and

21 (II) before the effective date

22 specified in subparagraph (A),

23 shall be liquidated or reliquidated as

24 though such entry occurred on the effective

25 date specified in subparagraph (A).

1 (ii) REQUESTS.—A liquidation or re-
2 liquidation may be made under clause (i)
3 with respect to an entry only if a request
4 therefor is filed with U.S. Customs and
5 Border Protection not later than 180 days
6 after the date of the enactment of this Act
7 that contains sufficient information to en-
8 able U.S. Customs and Border Protec-
9 tion—

10 (I) to locate the entry; or

11 (II) to reconstruct the entry if it
12 cannot be located.

13 (iii) PAYMENT OF AMOUNTS OWED.—
14 Any amounts owed by the United States
15 pursuant to the liquidation or reliquidation
16 of an entry of a covered article under
17 clause (i) shall be paid, without interest,
18 not later than 90 days after the date of the
19 liquidation or reliquidation (as the case
20 may be).

21 (C) DEFINITIONS.—In this subsection:

22 (i) COVERED ARTICLE.—The term
23 “covered article” means an article from a
24 country that is a beneficiary developing
25 country under title V of the Trade Act of

1 1974 (19 U.S.C. 2461 et seq.) as of the ef-
2 fective date specified in subparagraph (A).

3 (ii) ENTER; ENTRY.—The terms
4 “enter” and “entry” include a withdrawal
5 from warehouse for consumption.

6 (d) DEFINITION OF INTERNATIONALLY RECOGNIZED
7 WORKER RIGHTS.—Section 507(4) of the Trade Act 1974
8 (19 U.S.C. 2467(4)) is amended—

9 (1) in subparagraph (E), by striking the period
10 at the end and inserting a semicolon; and

11 (2) by adding at the end the following:

12 “(F) the elimination of discrimination with
13 respect to employment and occupation; and

14 “(G) the elimination of violence or threats
15 of violence against workers, including violence
16 related to gender-based violence or harassment
17 in the workplace and violence related to workers
18 exercising or attempting to exercise any of the
19 rights described in subparagraphs (A) through
20 (F).”.

21 **SEC. 105002. UNITED STATES INTERNATIONAL TRADE COM-**
22 **MISSION STUDY.**

23 Not later than May 1, 2022, the United States Inter-
24 national Trade Commission shall submit to Congress a re-
25 port that contains a study on rules of origin and the utili-

1 zation rates under the Generalized System of Preferences
2 program under title V of the Trade Act of 1974 (19
3 U.S.C. 2461 et seq.), including an assessment of—

4 (1) the utilization rates of least-developed bene-
5 ficiary developing countries under the program; and

6 (2) the effectiveness of the program’s rules of
7 origin in promoting trade benefits to least-developed
8 beneficiary developing countries under the program
9 and preventing the transshipment of products from
10 countries that are not beneficiary developing coun-
11 tries under the program.

12 **TITLE VI—REAUTHORIZATION**
13 **OF THE AMERICAN MANUFAC-**
14 **TURING COMPETITIVENESS**
15 **ACT OF 2016 AND OTHER MAT-**
16 **TERS**

17 **SEC. 106001. REAUTHORIZATION OF AMERICAN MANUFAC-**
18 **TURING COMPETITIVENESS ACT OF 2016.**

19 (a) NEW PROCESS FOR CONSIDERATION OF PETI-
20 TIONS.—Section 3(b)(1) of the American Manufacturing
21 Competitiveness Act of 2016 (Public Law 114–159; 19
22 U.S.C. 1332 note) is amended, in the matter preceding
23 subparagraph (A), by striking “October 15, 2016, and Oc-
24 tober 15, 2019” and inserting “October 15, 2022, and Oc-
25 tober 15, 2025”.

1 (b) CONTENT OF PETITIONS.—Section 3(b)(2)(E)(i)
2 of such Act is amended to read as follows:

3 “(i) the classification of the article
4 under chapters 1 through 97 of the Har-
5 monized Tariff Schedule of the United
6 States that has been used or will be used
7 by the importer, to be included in the
8 amendment to subchapter II of chapter 99
9 of that Schedule;”.

10 (c) REPORT.—Section 4(a) of such Act is amended
11 by striking “12 months” and all that follows through “tar-
12 iff bill” and inserting “18 months after the date on which
13 the duty suspensions and reductions included in a mis-
14 cellaneous tariff bill take effect”.

15 **SEC. 106002. LIMITATION ON DUTY SUSPENSIONS OR RE-**
16 **DUCTIONS FOR FINISHED GOODS.**

17 (a) LIMITATION ON ELIGIBILITY.—Section 3(b) of
18 the American Manufacturing Competitiveness Act of 2016
19 (19 U.S.C. 1332 note) is amended as follows:

20 (1) In paragraph (2)—

21 (A) by redesignating subparagraph (K) as
22 subparagraph (L); and

23 (B) by inserting after subparagraph (J)
24 the following:

1 “(K) A certification that the article is not
2 a finished good, defined as a good that—

3 “(i) is ready for sale to the ultimate
4 purchaser, end user, or consumer, whether
5 or not packed or repacked after entry into
6 the customs territory of the United States
7 (as such term is defined in General Note
8 2 to the Harmonized Tariff Schedule of
9 the United States) for retail sale;

10 “(ii) will not undergo any substantial
11 processing or transformation, as such
12 terms are interpreted by U.S. Customs and
13 Border Protection, after entry into the cus-
14 toms territory of the United States;

15 “(iii) is an unassembled, disassem-
16 bled, or otherwise incomplete good, having
17 the essential character of the complete and
18 assembled finished good; or

19 “(iv) is solely intended to be—

20 “(I) repacked to make the good
21 suitable for retail sale or distribution;

22 “(II) retagged or relabeled;

23 “(III) combined with instruc-
24 tional or warranty materials or with

1 other items or accessories for post-
2 entry sale; or

3 “(IV) subjected to other minor
4 operations not substantially trans-
5 forming the good as entered into the
6 customs territory of the United
7 States.”.

8 (2) By amending paragraph (3)(C)(ii)(IV) to
9 read as follows:

10 “(IV) A list of petitions for duty
11 suspensions and reductions for which
12 the Commission recommends modi-
13 fications to the scope of the articles
14 that are the subject of such petitions,
15 with the modifications specified—

16 “(aa) to address objections
17 by domestic producers to such
18 petitions; or

19 “(bb) to ensure that the ar-
20 ticles are not finished goods as
21 defined under paragraph
22 (2)(K).”.

23 (3) By amending paragraph (3)(C)(ii)(VI) to
24 read as follows:

1 “(VI) A list of petitions for duty
2 suspensions and reductions that the
3 Commission does not recommend for
4 inclusion in a miscellaneous tariff bill,
5 other than petitions specified in sub-
6 clause (V), including petitions for
7 which, in the view of the Commission,
8 the articles that are the subject of the
9 petitions are finished goods, as de-
10 fined under paragraph (2)(K).”.

11 (b) MODIFICATION TO COMMERCE REPORT.—Section
12 3(c) of the American Manufacturing Competitiveness Act
13 of 2016 (19 U.S.C. 1332 note) is amended by adding at
14 the end the following new paragraph:

15 “(3) An identification of any article that is sub-
16 ject to an order issued pursuant to title VII of the
17 Tariff Act of 1930 (19 U.S.C. 1671 et seq.) whose
18 article description may overlap with the article de-
19 scription of the subject of the petition.”.

20 (c) PROMULGATION OF LIST.—The United States
21 International Trade Commission may issue such guidance,
22 including in the form of a list of goods presumed to be
23 finished goods and their accompanying headings under the
24 Harmonized Tariff Schedule of the United States, as the
25 Commission determines useful or necessary to provide in-

1 formation to petitioners with respect to the limits imposed
2 on duty suspensions and reductions by reason of the
3 amendments under subsection (a).

4 **SEC. 106003. SENSE OF CONGRESS ON UNITED STATES COM-**
5 **MITMENT TO THE WORLD TRADE ORGANIZA-**
6 **TION.**

7 (a) FINDINGS.—Congress finds the following:

8 (1) The United States is an original member of
9 the World Trade Organization (WTO) and a key ar-
10 chitect of the institution.

11 (2) The WTO is a critical forum for strength-
12 ening the multilateral rules-based trading system
13 and a bedrock of United States trade policy.

14 (3) The United States has provided the leader-
15 ship and political will to advance the goal of the
16 WTO to create and enforce rules that reduce obsta-
17 cles to international trade that help ensure a level
18 playing field.

19 (4) Sustained United States leadership in the
20 WTO provides best paths to achieve necessary WTO
21 reforms, create new trade rules that enhance oppor-
22 tunities for all, and address the needs and challenges
23 of the United States and all other free and open
24 economies in the 21st century.

1 (5) The United States recognizes the historic
2 nature of Dr. Ngozi Okonjo-Iweala's selection as the
3 WTO's new Director-General as being both the first
4 woman and first African to be chosen.

5 (6) The WTO recognizes that trade should be
6 conducted with a view to raising standards of living,
7 ensuring full employment and a large and steadily
8 growing volume of real income and effective demand,
9 expanding the production of and trade in goods and
10 services, optimally using the world's resources in ac-
11 cordance with the objective of sustainable develop-
12 ment, and seeking to protect and preserve the envi-
13 ronment.

14 (7) The WTO is the preferred forum in which
15 member economies resolve disputes that arise among
16 them.

17 (8) The United States has consistently sup-
18 ported having a functional, efficient dispute settle-
19 ment mechanism at the WTO that strictly follows
20 the Dispute Settlement Understanding as agreed by
21 all WTO members and remains accountable to WTO
22 members.

23 (9) The United States, for decades, has sought
24 to strengthen the WTO dispute settlement system by

1 advocating for necessary, thoughtful and prudent re-
2 forms.

3 (10) The United States has expressed long-
4 standing concerns that the WTO Appellate Body,
5 through its findings and procedural liberties, is im-
6 properly adding to or diminishing the rights or obli-
7 gations of WTO members.

8 (11) The United States has consistently urged
9 the WTO to improve transparency by requiring that
10 all dispute settlement hearings at the WTO be open
11 to the public, and all submissions by the parties be
12 publicly available.

13 (12) While several WTO members have joined
14 the United States in agreeing to open hearings to
15 the public and in making public submissions, most
16 WTO Members continue to insist on closed hearings
17 and confidential submissions.

18 (13) Transparent WTO dispute settlement en-
19 hances WTO members' understanding of the dispute
20 settlement system, particularly for those who do not
21 participate often in the system.

22 (14) Open dispute settlement promotes the ac-
23 countability, professionalism, and impartiality of
24 WTO adjudicators, to the benefit of the dispute set-
25 tlement system as a whole.

1 (15) Many WTO members have failed to meet
2 basic notification obligations making it difficult and,
3 in some cases, impossible to monitor or determine
4 their compliance with WTO obligations, including
5 subsidies disciplines.

6 (16) The United States has encouraged, by pro-
7 posing various incentives and administrative meas-
8 ures, better compliance with notification obligations.

9 (17) The WTO allows members to self-identify
10 as developing countries in order to receive special
11 and differential treatment.

12 (18) Some self-declared developing countries
13 that are now advanced continue to demand the same
14 special and differential treatment intended for much
15 smaller, less developed members, creating
16 asymmetries that hinder the WTO from achieving
17 meaningful outcomes in current and future negotia-
18 tions.

19 (19) For over a decade, most WTO members
20 have refused to engage in serious efforts to address
21 longstanding United States calls for reform of dis-
22 pute settlement and other important aspects of the
23 WTO system.

24 (20) WTO members are engaged in negotia-
25 tions to reform the WTO and create new rules, in-

1 including with respect to fisheries subsidies and e-com-
2 merce.

3 (b) SENSE OF CONGRESS.—It is the sense of Con-
4 gress that—

5 (1) the United States should continue to lead
6 reform efforts to ensure that the World Trade Orga-
7 nization (WTO) functions as agreed by the member-
8 ship and is updated appropriately for the 21st cen-
9 tury;

10 (2) the United States should continue to urge
11 other WTO members to work with the United States
12 to achieve needed reforms so that the WTO and its
13 members can address unjustified barriers to trade
14 and promote economic norms that improve the
15 standard of living across the world; and

16 (3) the United States Trade Representative
17 should continue to lead and work with other coun-
18 tries to pursue reforms at the WTO that—

19 (A) address concerns with the WTO's Ap-
20 pellate Body;

21 (B) improve the efficiency and trans-
22 parency of dispute settlement proceedings;

23 (C) remediate the failure to satisfy notifi-
24 cation obligations of the various WTO agree-

1 ments and develop accountability mechanisms
2 to address this issue proactively;

3 (D) discipline the use of special and dif-
4 ferential treatment for self-declared developing
5 countries;

6 (E) ensure there are platforms to discuss
7 issues related to labor, the environment, and
8 women’s economic empowerment; and

9 (F) create new rules and structures that
10 can serve the United States interests while pro-
11 moting peace, prosperity, and open markets and
12 societies.

13 **SEC. 106004. AUTHORITY OF U.S. CUSTOMS AND BORDER**
14 **PROTECTION TO CONSOLIDATE, MODIFY, OR**
15 **REORGANIZE CUSTOMS REVENUE FUNC-**
16 **TIONS.**

17 (a) IN GENERAL.—Section 412 of the Homeland Se-
18 curity Act of 2002 (6 U.S.C. 212(b)) is amended—

19 (1) in subsection (b)—

20 (A) in paragraph (1)—

21 (i) by striking “consolidate, dis-
22 continue,” and inserting “discontinue”;
23 and

24 (ii) by inserting after “reduce the
25 staffing level” the following: “below the op-

1 timal staffing level determined in the most
2 recent Resource Allocation Model required
3 by section 301(h) of the Customs Proce-
4 dural Reform and Simplification Act of
5 1978 (19 U.S.C. (h))”; and

6 (B) in paragraph (2), by inserting “, Na-
7 tional Account Managers” after “Financial Sys-
8 tems Specialists”; and
9 (2) by adding at the end the following:

10 “(d) AUTHORITY TO CONSOLIDATE, MODIFY, OR RE-
11 ORGANIZE CUSTOMS REVENUE FUNCTIONS.—

12 “(1) IN GENERAL.—The Commissioner of U.S.
13 Customs and Border Protection may, subject to sub-
14 section (b), consolidate, modify, or reorganize cus-
15 toms revenue functions delegated to the Commis-
16 sioner under subsection (a), including by adding
17 such functions to existing positions or establishing
18 new or modifying existing job series, grades, titles,
19 or classifications for personnel, and associated sup-
20 port staff, performing such functions.

21 “(2) POSITION CLASSIFICATION STANDARDS.—
22 At the request of the Commissioner, the Director of
23 the Office of Personnel Management shall establish
24 new position classification standards for any new po-

1 sitions established by the Commissioner under para-
2 graph (1).”.

3 (b) **TECHNICAL CORRECTION.**—Section 412(a)(1) of
4 the Homeland Security Act of 2002 (6 U.S.C. 212(a)(1))
5 is amended by striking “403(a)(1)” and inserting
6 “403(1)”.

7 **TITLE VII—TEMPORARY DUTY**
8 **SUSPENSIONS AND REDUCTIONS**

9 **SEC. 107001. REFERENCE.**

10 Except as otherwise expressly provided, whenever in
11 this title an amendment or repeal is expressed in terms
12 of an amendment to, or repeal of, a chapter, subchapter,
13 note, additional U.S. note, heading, subheading, or other
14 provision, the reference shall be considered to be made to
15 a chapter, subchapter, note, additional U.S. note, heading,
16 subheading, or other provision of the Harmonized Tariff
17 Schedule of the United States.

18 **Subtitle A—New Duty Suspensions**
19 **and Reductions**

20 **SEC. 107101. SHELLED PINE NUTS.**

21 Subchapter II of chapter 99 is amended by inserting
22 in numerical sequence the following new heading:

“	9902.19.01	Pine nuts, shelled (provided for in subheading 0802.90.98)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107102. LICORICE EXTRACT.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.19.02	Vegetable saps and extracts of licorice (provided for in subheading 1302.12.00)	0.7%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107103. REFINED CARRAGEENAN.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.19.03	N-{{2-{{4-{{3-Methylbutanoyl-amino}}phenyl}}carbonyl}}hydrazino}}carbonothioyl}}-3-nitrobenzamide (Carrageenan) (CAS No. 9000-07-1) (provided for in subheading 1302.39.00)	2.4%	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107104. IRISH DAIRY CHOCOLATE CRUMB.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.19.04	Chocolate crumb manufactured with fluid milk from Irish cows (provided for in subheading 1806.20.24)	2.9%	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107105. PEPPERONCINI, PRESERVED IN VINEGAR.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.19.05	Pepperoncini, prepared or preserved by vinegar or acetic acid (provided for in subheading 2001.90.38)	5.2%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107106. COCONUT WATER IN PET BOTTLES.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.19.06	Coconut water, not from concentrate, not containing added sugar or other sweetening matter, packaged for retail sale in polyethylene terephthalate bottles (provided for in subheading 2009.89.70)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107107. 9,11-OCTADECADIENOIC ACID.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.19.07	Conjugated linoleic acids (9Z,11E)-octadeca-9,11-dienoic acid (CAS No. 2540-56-9), and (10E,12Z)-octadeca-10,12-dienoic acid (CAS No. 2420-56-6) (provided for in subheading 2106.90.98)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107108. LIQUID GALACTO-OLIGOSACCHARIDES.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.19.08	Liquid galacto-oligosaccharides (provided for in subheading 2106.90.98) ...	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107109. BEVERAGE CONTAINING COCONUT WATER.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.19.09	Non-alcoholic beverage containing 10 percent or more of not-from-concentrate coconut water, with added flavors and stevia, packaged for retail sale (provided for in subheading 2202.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107110. ANIMAL FEED ADDITIVE CONTAINING**
 2 **GUANIDINOACETIC ACID.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.19.10	Feed additive preparation consisting of guanidinoacetic acid and starch (provided for in subheading 2309.90.95) ...	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107111. TUNGSTEN CONCENTRATE.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.19.11	Tungsten concentrate, presented as a dense, granular powder, in a range of colors from sandy brown to black/grey depending on the other elements present (provided for in subheading 2611.00.60)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 107112. PIPERYLENE.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.19.12	Distillates (petroleum), C3-6, piperylene-rich (CAS No. 68477-35-0) (provided for in subheading 2710.12.90)	3.5%	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 107113. NORMAL PARAFFIN M (ALKANES C10-C14).**

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.19.13	A mixture of normal paraffin medium oils (alkanes, C10-14) (CAS No. 93924-07-3) (provided for in subheading 2710.19.90)	5.8%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107114. NEODYMIUM (ND) METAL.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.19.14	Neodymium metal (CAS No. 7440-00-8), whether or not intermixed or interalloyed (provided for in subheading 2805.30.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107115. PRASEODYMIUM (PR) METAL.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.19.15	Praseodymium metal (CAS No. 7440-10-0), whether or not intermixed or interalloyed (provided for in subheading 2805.30.00)	Free	No change	No change	On or before 12/31/2023	”.
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**7 SEC. 107116. HEAVY RARE EARTH METALS, DYSPROSIUM
 8 (DY) METAL AND TERBIUM (TB) METAL.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.19.16	Dysprosium metal (CAS No. 7429-91-6), terbium metal (CAS No. 7440-27-9), and heavy rare earth metals, whether or not intermixed or inter-alloyed (provided for in subheading 2805.30.00)	Free	No change	No change	On or before 12/31/2023	”.
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11 SEC. 107117. SCANDIUM CRYSTAL.

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.19.17	Scandium crystals of 99.9 percent purity containing 3 ppm or less by weight of cobalt, 80 ppm or less by weight of chromium and 500 ppm or less by weight of iron (CAS No. 7440-20-2) (provided for in subheading 2805.30.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107118. HEXAFLUOROTITANIC ACID.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.19.18	Dihydrogen hexafluorotitanate(2-) (CAS No. 17439-11-1) (provided for in subheading 2811.19.61)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107119. SILICA GEL CAT LITTER WITH TRAY.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.19.19	Cat litter of synthetic silica gel, not crystalline, imported with a disposable cardboard tray coated with polyvinyl chloride (provided for in subheading 2811.22.10)	Free	No change	No change	On or before 12/31/2023	”.
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**7 SEC. 107120. DIOXOSILANE SPHERICAL PARTICLES (MEAN
8 PARTICLE SIZE 0.046-0.054 MM).**

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.19.20	Dioxosilane (silicon dioxide amorphous) (CAS No. 7631-86-9) presented in the form of entirely spherical microspheres, certified by the importer as having a mean particle size of between 0.046 and 0.054 mm, uniform particle size with a uniformity coefficient of 1.65 or less, specific electrical resistance of 50,000 Ohm cm or more, and surface area 300 to 700 m ² /g (provided for in subheading 2811.22.10)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107121. SILICA GEL CAT LITTER.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.19.21	Cat litter formulated from synthetic silica gel, put up for retail sale (provided for in subheading 2811.22.10)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107122. SULFURYL DICHLORIDE.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.19.22	Sulfuryl dichloride (CAS No. 7791-25-5) (provided for in subheading 2812.19.00)	Free	No change	No change	On or before 12/31/2023	”.
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**7 SEC. 107123. FS-10D ACICULAR ELECTROCONDUCTIVE TIN
8 OXIDE.**

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.19.23	Dispersions of tin(IV) oxide (CAS No. 18282-10-5), doped with antimony pentoxide (CAS No. 1314-60-9), in water (provided for in subheading 2825.90.20)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107124. CERTAIN POTASSIUM FLUORIDE.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.19.24	Potassium fluoride (CAS No. 7789-23-3), spray-dried, crystalline, granular or any dry form (provided for in subheading 2826.19.90)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107125. OTHER POTASSIUM FLUORIDE.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.19.25	Potassium fluoride (CAS No. 7789-23-3) other than spray-dried, crystalline, granular or any dry form (provided for in subheading 2826.19.90)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107126. LIPF6.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.19.26	Lithium hexafluorophosphate (LiPF ₆) (CAS No. 21324-40-3) (provided for in subheading 2826.90.90)	1.8%	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107127. LIPO₂F₂.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.19.27	Lithium difluorophosphate (LiPO ₂ F ₂) (CAS No. 24389-25-1) (provided for in subheading 2826.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107128. AMMONIUM FLUOROBORATE.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.19.28	Azanium; tetrafluoroborate (CAS No. 13826-83-0) (pro- vided for in subheading 2826.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107129. SODIUM TETRAFLUOROBORATE.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.19.29	Sodium tetrafluoroborate (CAS No. 13755-29-8) (pro- vided for in subheading 2826.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107130. FERRIC CHLORIDE.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.19.30	Trichloroiron (CAS No. 7705-08-0) (provided for in subheading 2827.39.55)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107131. FERROUS CHLORIDE.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.19.31	Iron(2+);dichloride (CAS No. 7758-94-3) (provided for in subheading 2827.39.55)	Free	No change	No change	On or before 12/31/2023	”.
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13 SEC. 107132. CUPRIC CHLORIDE DIHYDRATE.

14 Subchapter II of chapter 99 is amended by inserting
 15 in numerical sequence the following new heading:

“	9902.19.32	Copper(II) chloride dihydrate (cupric chloride dihydrate) (CAS No. 10125-13-0) (provided for in subheading 2827.39.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107133. COPPER CHLORIDE ANHYDROUS.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.19.33	Copper(II) chloride anhydrous (CAS No. 7447-39-4) (provided for in subheading 2827.39.90)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107134. MANGANESE CHLORIDE ANHYDROUS.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.19.34	Manganese(2+);dichloride (anhydrous manganese chloride) (CAS No. 7773-01-5) (provided for in subheading 2827.39.90)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107135. MANGANESE CHLORIDE TETRAHYDRATE.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.19.35	Manganese(II) chloride tetrahydrate (CAS No. 13446-34-9) (provided for in subheading 2827.39.90)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107136. REDUCING AGENT.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.19.36	Acetic acid, 2-oxo-, reaction products with sodium dithionite (2:1) (CAS No. 1444365-63-2) (provided for in subheading 2831.10.50) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107137. MANGANESE CARBONATE.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.19.37	Manganese(2+);carbonate (CAS No. 598-62-9) (pro- vided for in subheading 2836.99.50)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107138. POTASSIUM TETRABORATE.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.19.38	Potassium tetraborate (CAS No. 12045-78-2) (provided for in subheading 2840.20.00)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107139. POTASSIUM PENTABORATE.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.19.39	Potassium pentaborate (CAS No. 12229-13-9) (provided for in subheading 2840.20.00)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107140. AMMONIUM THIOCYANATE.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.19.40	Azanium;thiocyanate (ammo- nium thiocyanate) (CAS No. 1762-95-4) (provided for in subheading 2842.90.10)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107141. MODIFIED AMINE COMPLEX OF BORON**
 2 **TRIFLUORIDE.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.19.41	Propan-2-amine, compound with trifluoroborane, reaction products with 2-(butoxymethyl)oxirane (amine complex of boron trifluoride) (CAS No. 68478-97-7) (provided for in subheading 2842.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107142. TRICHLOROSILANE.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.19.42	Trichlorosilicon (CAS No. 10025-78-2) (provided for in subheading 2853.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 107143. 1,3-DICHLOROPROPENE.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.19.43	(E)-1,3-Dichloroprop-1-ene (CAS No. 542-75-6) (provided for in subheading 2903.29.00)	2.3%	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 107144. HEXAFLUOROISOBUTYLENE (HFIB).**

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.19.44	3,3,3-Trifluoro-2-(trifluoromethyl)prop-1-ene (CAS No. 382-10-5) (provided for in subheading 2903.39.20)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107145. 1,1,1,2,2,3,3,3,4,4,5,5,6,6-TRIDECAFLUORO-8-**
2 **IODOOCTANE.**

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.19.45	1,1,1,2,2,3,3,3,4,4,5,5,6,6- Tridecafluoro-8-iodooctane (CAS No. 2043–57–4) (pro- vided for in subheading 2903.79.90)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107146. ETHYL BENZYL CHLORIDE.**

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.19.46	1-(Chloromethyl)-3- ethylbenzene (CAS No. 26968–58–1) (provided for in subheading 2903.99.80)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 107147. PERFLUOROALKYL SULFONATE.**

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.19.47	Potassium 1,1,2,2,3,3,3,4,4,4- nonafluorobutane-1- sulphonate (CAS No. 29420– 49–3) (provided for in sub- heading 2904.99.50)	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 107148. D-MANNITOL.**

12 Subchapter II of chapter 99 is amended by inserting
13 in numerical sequence the following new heading:

“	9902.19.48	(2R,3R,4R,5R)-Hexane- 1,2,3,4,5,6-hexol (D- Mannitol) (CAS No. 69–65– 8) (provided for in sub- heading 2905.43.00)	2.9%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107149. 3,3,4,4,5,5,6,6,7,7,8,8,8-TRIDECAFLUOROCTAN-1-**
 2 **OL.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.19.49	3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctan-1-ol (CAS No. 647-42-7) (provided for in subheading 2905.59.90) ...	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107150. PHENYL ISOPROPANOL.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.19.50	2-Phenylpropan-2-ol (CAS No. 617-94-7) (provided for in subheading 2906.29.60) ...	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 107151. HYDROXYTYROSOL.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.19.51	4-(2-Hydroxyethyl)benzene-1,2-diol (Hydroxytyrosol) (CAS No. 10597-60-1) (provided for in subheading 2907.29.90)	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 107152. 1,6-DIHYDROXYNAPHTHALENE.**

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.19.52	Naphthalene-1,6-diol (CAS No. 575-44-0) (provided for in subheading 2907.29.90) ...	Free	No change	No change	On or before 12/31/2023	”.
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14 **SEC. 107153. ANTIOXIDANT FOR PLASTICS AND RUBBER.**

15 Subchapter II of chapter 99 is amended by inserting
 16 in numerical sequence the following new heading:

“	9902.19.53	Antioxidant 330 (4-[[3,5-Bis[(3,5-ditert-butyl-4-hydroxyphenyl)methyl]-2,4,6-trimethylphenyl)methyl]-2,6-ditert-butylphenol) (CAS No. 1709-70-2) (provided for in subheading 2907.29.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107154. TOLUHYDROQUINONE (THQ).

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.19.54	2-Methylbenzene-1,4-diol (CAS No. 95-71-6) (provided for in subheading 2907.29.90)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107155. 1,1,1-TRIS(4-HYDROXYPHENYL)ETHANE.

5 Subchapter II of chapter 99 is amended by inserting

6 in numerical sequence the following new heading:

“	9902.19.55	4-[1,1-Bis(4-hydroxyphenyl)ethyl]phenol (CAS No. 27955-94-8) (provided for in subheading 2907.29.90)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107156. MPEG6-MESYLATE.

8 Subchapter II of chapter 99 is amended by inserting

9 in numerical sequence the following new heading:

“	9902.19.56	Methanesulfonic acid; 2-[2-[2-[2-(2-methoxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy ethanol (CAS No. 130955-39-4) (provided for in subheading 2909.19.18)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107157. MONOETHYLENE GLYCOL DIMETHYL ETHER.

11 Subchapter II of chapter 99 is amended by inserting

12 in numerical sequence the following new heading:

“	9902.19.57	1,2-Dimethoxyethane (CAS No. 110-71-4) (provided for in subheading 2909.19.60) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107158. DIETHYLENE GLYCOL DIMETHYL ETHER.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.19.58	1-Methoxy-2-(2-methoxyethoxy)ethane (CAS No. 111-96-6) (provided for in subheading 2909.19.60) ...	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107159. DIETHYLENE GLYCOL DIBUTYL ETHER.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.19.59	1-[2-(2-Butoxyethoxy)ethoxy]butane (CAS No. 112-73-2) (provided for in subheading 2909.19.60)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107160. TETRAETHYLENE GLYCOL DIMETHYL ETHER.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.19.60	1-Methoxy-2-[2-[2-(2-methoxyethoxy)ethoxy]ethoxy]ethane (CAS No. 143-24-8) (provided for in subheading 2909.19.60) ...	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107161. GLYCOL DIETHER.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.19.61	1-Methoxy-3-(3-methoxypropoxy)propane (CAS No. 111109-77-4) (provided for in subheading 2909.49.60)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107162. DIGLYCIDYL RESORCINOL ETHER.**

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.19.64	2-[[3-(Oxiran-2-ylmethoxy)phenoxy]methyl]oxirane (diglycidyl resoreinol ether) (CAS No. 101-90-6) (provided for in subheading 2910.90.20)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 107163. ALLYL GLYCIDYL ETHER.**

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.19.66	2-(Prop-2-enoxymethyl)oxirane (allyl glycidyl ether) (CAS No. 106-92-3) (provided for in subheading 2910.90.91)	Free	No change	No change	On or before 12/31/2023	”.
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7 **SEC. 107164. VINYL CYCLOHEXANE MONOXIDE.**

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.19.67	3-Ethenyl-7-oxabicyclo[4.1.0]heptane (CAS No. 106-86-5) (provided for in subheading 2910.90.91)	Free	No change	No change	On or before 12/31/2023	”.
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10 **SEC. 107165. TECHNICAL GRADE OF BUTYL GLYCIDYL**
11 **ETHER.**

12 Subchapter II of chapter 99 is amended by inserting
13 in numerical sequence the following new heading:

“	9902.19.68	Technical grade 2-(butoxymethyl)oxirane (CAS No. 2426-08-6) (provided for in subheading 2910.90.91)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107166. ALIPHATIC GLYCIDYL ETHER.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.19.69	2-(2-Ethylhexoxymethyl)oxirane (CAS No. 2461-15-6) (provided for in subheading 2910.90.91)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107167. DIGLYCIDYL ETHER OF 1,4-BUTANEDIOL.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.19.70	2-[4-(Oxiran-2-ylmethoxy)butoxymethyl]oxirane (CAS No. 2425-79-8) (provided for in subheading 2910.90.91)	Free	No change	No change	On or before 12/31/2023	”.
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**7 SEC. 107168. TECHNICAL GRADE OF THE GLYCIDYL ETHER
 8 OF CYCLOHEXANE DIMETHANOL.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.19.71	2-[[4-(Oxiran-2-ylmethoxymethyl)cyclohexyl]methoxymethyl]oxirane (1,4-bis((2,3-epoxypropoxymethyl)cyclohexane technical) (CAS No. 14228-73-0) (provided for in subheading 2910.90.91)	Free	No change	No change	On or before 12/31/2023	”.
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11 SEC. 107169. GLYCIDYL ESTER OF NEODECANOIC ACID.

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.19.72	2,3-Epoxypropyl neodecanoate (CAS No. 26761-45-5) (provided for in subheading 2910.90.91)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107170. CUMALDEHYDE.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.19.73	4-Propan-2-ylbenzaldehyde (Cumaldehyde) (CAS No. 122-03-2) (provided for in subheading 2912.29.60)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107171. CYPRINAL.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.19.74	α -Methyleinnamaldehyde (CAS No. 101-39-3) (pro- vided for in subheading 2912.29.60)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107172. SODIUM O-FORMYLBENZENESULFONATE.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.19.75	Sodium;2- formylbenzenesulfonate (CAS No. 1008-72-6) (provided for in subheading 2913.00.50)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107173. ACETYLACETONE.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.19.76	Pentane-2,4-dione (Acetylac- etone) (CAS No. 123-54-6) (provided for in subheading 2914.19.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107174. ACETYL PROPIONYL.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.19.77	Pentane-2,3-dione (CAS No. 600-14-6) (provided for in subheading 2914.19.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107175. ALPHA IONONE.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.19.78	(E)-4-(2,6,6-Trimethylcyclohex-2-en-1-yl)but-3-en-2-one (α -ionone) derived from natural sources (CAS No. 127-41-3) (provided for in subheading 2914.23.00)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107176. 2,3,4,5 TETRAMETHYLCYCLOPENT-2-ENONE.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.19.79	2,3,4,5-Tetramethylcyclopent-2-enone (CAS No. 54458-61-6) (provided for in subheading 2914.29.50)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107177. MENTHONE.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.19.80	Menthone ((2S,5R)-5-methyl-2-propan-2-ylcyclohexan-1-one) derived from natural sources (CAS No. 89-80-5) (provided for in subheading 2914.29.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107178. L-CARVONE.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.19.81	(5R)-2-Methyl-5-(prop-1-en-2-yl)cyclohex-2-en-1-one (L-carvone) (CAS No. 6485-40-1) (provided for in subheading 2914.29.50)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107179. BENZOIN.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.19.82	2-Hydroxy-1,2-diphenylethanone (Benzoin) (CAS No. 119-53-9) (provided for in subheading 2914.40.40)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107180. METHYL CYCLOPENTENOLONE.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.19.83	Methyl cyclopentenolone (2-hydroxy-3-methylcyclopent-2-en-1-one) (CAS No. 80-71-7) (provided for in subheading 2914.40.90)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107181. 2,4-DIHYDROXY-1,5-DIBENZOYLBENZENE.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.19.84	(4,6-Dihydroxy-1,3-phenylene)bis(phenylmethanone) (CAS No. 3088-15-1) (provided for in subheading 2914.50.30)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107182. DIFLUOROBENZOPHENONE (DFBP).

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.19.85	Bis(4-fluorophenyl)methanone (CAS No. 345-92-6) (provided for in subheading 2914.79.40)	2.3%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107183. PTML.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.19.86	2-Methyl-1-[4-(trifluoromethoxy)phenyl]propan-1-one (CAS No. 56425-84-4) (provided for in subheading 2914.79.40)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107184. METRAFENONE.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.19.87	(3-Bromo-6-methoxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)methanone (Metrafenone) (CAS No. 220899-03-6) (provided for in subheading 2914.79.40) ...	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107185. HEXACHLOROACETONE.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.19.88	Hexachloroacetone; 1,1,1,3,3,3-hexachloropropan-2-one (CAS No. 116-16-5) (provided for in subheading 2914.79.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107186. FIRE SUPPRESSION AGENT.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.19.89	1,1,1,2,2,4,5,5,5-nonafluoro-4-(trifluoromethyl)pentan-3-one (CAS No. 756-13-8) (provided for in subheading 2914.79.90)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107187. D(+)-10-CAMPHOR SULFONIC ACID.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.19.90	(1S,4R)-7,7-Dimethyl-2-oxo-1-bicyclo[2.2.1]heptanyl methanesulfonic acid (CAS No. 3144-16-9) (provided for in subheading 2914.79.90)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107188. BENZYL ACETATE.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.19.91	Benzyl acetate (CAS No. 140-11-4) (provided for in subheading 2915.39.10)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107189. PROPYLENE GLYCOL DIACETATE.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.19.92	2-Acetyloxypropyl acetate (CAS No. 623-84-7) (provided for in subheading 2915.39.47)	Free	No change	No change	On or before 12/31/2023	”.
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13 SEC. 107190. ISOPROPENYL ACETATE.

14 Subchapter II of chapter 99 is amended by inserting
15 in numerical sequence the following new heading:

“	9902.19.93	Prop-1-en-2-yl acetate (Isopropenyl acetate) (CAS No. 108-22-5) (provided for in subheading 2915.39.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107191. DIACETIN.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.19.94	(2-Acetyloxy-3-hydroxypropyl) acetate (CAS No. 25395-31-7) (provided for in subheading 2915.39.90)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107192. COCOAMINE.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.19.95	Amines, coco alkyl (Cocoamine) (CAS No. 61788-46-3) (provided for in subheading 2915.90.10)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107193. CAPRYLIC ACID 98%.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.19.96	Decanoic acid (CAS No. 334-48-5) (provided for in subheading 2915.90.10)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107194. FINE ZINC MYRISTATE POWDER.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.19.97	Zinc myristate powder, 99 percent is under 300 mesh (CAS No. 16260-27-8) (provided for in subheading 2915.90.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107195. FINE MAGNESIUM MYRISTATE POWDER.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.19.98	Magnesium tetradecanoate powder (CAS No. 4086-70-8) (provided for in subheading 2915.90.50)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107196. DIPENTAERYTHRITYL
5 HEXAHYDROXYSTEARATE/HEXASTEARATE/
6 HEXAROSINATE.

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.19.99	Dipentaerythrityl mixed esters with stearate, 12-hydroxyoctadecanoate and resinate, two acidic residues (CAS No. 208126-52-7) (provided for in subheading 2915.90.50)	Free	No change	No change	On or before 12/31/2023	”.
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9 SEC. 107197. POLYGLYCERYL-2 TRIISOSTEARATE.

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.20.01	[3-[2,3-bis(16-Methylheptadecanoyloxy)propoxy]-2-hydroxypropyl] 16-methylheptadecanoate (CAS No. 120486-24-0) (provided for in subheading 2915.90.50)	Free	No change	No change	On or before 12/31/2023	”.
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12 SEC. 107198. NEOPENTYL GLYCOL DIETHYLHEXANOATE.

13 Subchapter II of chapter 99 is amended by inserting
 14 in numerical sequence the following new heading:

“	9902.20.02	[3-(2-Ethylhexanoyloxy)-2,2-dimethylpropyl] 2-ethylhexanoate (CAS No. 28510-23-8) (provided for in subheading 2915.90.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107199. ISONONYL ISONONATE.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.20.03	7-Methyloctyl 7-methyloctanoate (CAS No. 42131-25-9) (provided for in subheading 2915.90.50)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107200. ACETYL CHLORIDE.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.20.04	Acetyl chloride (CAS No. 75-36-5) (provided for in subheading 2915.90.50)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107201. POTASSIUM SORBATE.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.20.05	Potassium;(2E,4E)-hexa-2,4-dienoate (Potassium sorbate) (CAS No. 24634-61-5) (provided for in subheading 2916.19.10)	2%	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107202. VINYL CHLOROFORMATE.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.20.06	Ethenyl carbonochloridate (Vinyl chloroformate) (CAS No. 5130-24-5) (provided for in subheading 2916.19.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107203. PERMETHRIN.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.20.07	(3-Phenoxyphenyl)methyl 3-(2,2-dichloroethyl)-2,2-dimethylcyclopropane-1-carboxylate (Permethrin) (CAS No. 52645-53-1) (provided for in subheading 2916.20.50)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107204. SODIUM BENZOATE.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.20.08	Micronized sodium benzoate (CAS No. 532-32-1) of a kind used as a polymer modifier (provided for in subheading 2916.31.11)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107205. BENZOIC ACID, FLAKE.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.20.09	Benzoic acid, flake (CAS No. 65-85-0) (provided for in subheading 2916.31.11)	4.3%	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107206. DIETHYLENE GLYCOL DIBENZOATE.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.20.10	2-(2-Benzoyloxyethoxy)ethyl benzoate (CAS No. 120-55-8) (provided for in subheading 2916.31.30)	1%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107207. METHYL BENZOATE.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.20.11	Methyl benzoate (CAS No. 93-58-3) (provided for in subheading 2916.31.50)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107208. M-NITROBENZOIC ACID SODIUM SALT.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.20.12	Sodium; 3-nitrobenzoate (CAS No. 827-95-2) (provided for in subheading 2916.39.79)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107209. P-NITROBENZOIC ACID.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.20.13	4-Nitrobenzoic acid (CAS No. 62-23-7) (provided for in subheading 2916.39.79)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107210. 4-TERT BUTYLBENZOIC ACID.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.20.14	4-tert-Butylbenzoic acid (CAS No. 98-73-7) (provided for in subheading 2916.39.79)	Free	No change	No change	On or before 12/31/2023	”.
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13 SEC. 107211. SODIUM ADIPATE.

14 Subchapter II of chapter 99 is amended by inserting
 15 in numerical sequence the following new heading:

“	9902.20.15	Disodium hexanedioate (Sodium adipate) (CAS No. 7486-38-6), in granule form, with a particle size of 250 µm to 850 µm (provided for in subheading 2917.12.50) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107212. DIMETHYL SEBACATE (DMS).

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.20.16	Dimethyl sebacate (CAS No. 106-79-6) (provided for in subheading 2917.13.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107213. DODECANEDIOIC ACID.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.20.17	Dodecanedioic acid (CAS No. 693-23-2) (provided for in subheading 2917.19.70)	2.8%	No change	No change	On or before 12/31/2023	”.
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**7 SEC. 107214. POLYHYDROXYSTEARIC ACID OF LOW ACID
8 VALUE.**

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.20.18	Ayclic polycarboxylic containing octadecanoic acid, 12-hydroxy-, homopolymer, octadecanoate with an acid value less than 40 mg/g KOH (CAS No. 58128-22-6) (provided for in subheading 2917.19.70)	Free	No change	No change	On or before 12/31/2023	”.
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11 SEC. 107215. UNDECANEDIOIC ACID.

12 Subchapter II of chapter 99 is amended by inserting
13 in numerical sequence the following new heading:

“	9902.20.19	Undecanedioic acid (CAS No. 1852-04-6) (provided for in subheading 2917.19.70)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107216. HEXADECANEDIOIC ACID.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.20.20	Hexadecanedioic acid (CAS No. 505-54-4) (provided for in subheading 2917.19.70) ...	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107217. TETRADECANEDIOIC ACID.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.20.21	Tetradecanedioic acid (CAS No. 821-38-5) (provided for in subheading 2917.19.70) ...	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107218. PENTADECANEDIOIC ACID.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.20.22	Pentadecanedioic acid (CAS No. 1460-18-0) (provided for in subheading 2917.19.70)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107219. TRIDECANEDIOIC ACID.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.20.23	Tridecanedioic acid (CAS No. 505-52-2) (provided for in subheading 2917.19.70)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107220. METHYL 1-(METHOXYCAR-**
 2 **BONYL)CYCLOPROPANECARBOXYLATE**
 3 **(CPDM).**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.20.24	Dimethyl 1,1-cyclopropanedicarboxylate (CAS No. 6914-71-2) (provided for in subheading 2917.20.00)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 107221. CALCIUM HHPA.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.20.25	Calcium (1S,2R)-cyclohexane-1,2-dicarboxylate (CAS No. 491589-22-1) (provided for in subheading 2917.20.00) ...	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 107222. DIETHYL PHTHALATE.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.20.26	Diethyl benzene-1,2-dicarboxylate (CAS No. 84-66-2) (provided for in subheading 2917.34.01)	Free	No change	No change	On or before 12/31/2023	”.
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12 **SEC. 107223. AMMONIUM LACTATE.**

13 Subchapter II of chapter 99 is amended by inserting
 14 in numerical sequence the following new heading:

“	9902.20.27	Ammonium lactate (Azanium;2-hydroxypropanoate) (CAS No. 515-98-0) having a purity of at least 99 percent (provided for in subheading 2918.11.51)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107224. TRIETHYL 2-HYDROXYPROPANE-1,2,3-**
 2 **TRICARBOXYLATE.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.20.28	Triethyl 2-hydroxypropane-1,2,3-tricarboxylate (CAS No. 77-93-0) (provided for in subheading 2918.15.50)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107225. DIISOSTEARYL MALATE.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.20.29	Carboxylic acid of bis(16-methylheptadecyl) 2-hydroxybutanedioate (CAS No. 81230-05-9) (provided for in subheading 2918.19.90)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 107226. SALICYLIC ACID.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.20.30	2-Hydroxybenzoic acid (salicylic acid) (CAS No. 69-72-7) (provided for in subheading 2918.21.50)	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 107227. HEXYL SALICYLATE.**

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.20.31	Hexyl 2-hydroxybenzoate (CAS No. 6259-76-3) (provided for in subheading 2918.23.20)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107228. ALPHA-KETOGLUTERIC ACID.**

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.20.32	Alpha-ketoglutaric acid (2-oxopentanedioic acid) (CAS No. 328-50-7) (provided for in subheading 2918.30.90) ...	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 107229. MCPB HERBICIDE.**

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.20.33	4-(4-Chloro-2-methylphenoxy)butyric acid (CAS No. 94-81-5) (provided for in subheading 2918.99.18)	Free	No change	No change	On or before 12/31/2023	”.
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7 **SEC. 107230. 2,4-D BUTOXYETHYLESTER.**

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.20.34	2-Butoxyethyl 2-(2,4-dichlorophenoxy)acetate (CAS No. 1929-73-3) (provided for in subheading 2918.99.20)	Free	No change	No change	On or before 12/31/2023	”.
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10 **SEC. 107231. 2-(2,4-DICHLOROPHENOXY)ACETIC ACID.**

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.20.35	2-(2,4-Dichlorophenoxy)acetic acid (CAS No. 94-75-7) (provided for in subheading 2918.99.20)	4.9%	No change	No change	On or before 12/31/2023	”.
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13 **SEC. 107232. DIGLYCOLIC ACID 98%.**

14 Subchapter II of chapter 99 is amended by inserting
15 in numerical sequence the following new heading:

“	9902.20.36	2-(Carboxymethoxy)acetic acid (diglycolic acid) having a purity of at least 98 percent (CAS No. 110-99-6) (provided for in subheading 2918.99.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107233. TRI-ISO-BUTYL PHOSPHATE (TIBP).

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.20.37	tris(2-Methylpropyl) phosphate (CAS No. 126-71-6) (provided for in subheading 2919.90.50)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107234. TRIMETHYLPHOSPHITE.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.20.38	Trimethyl phosphite (CAS No. 121-45-9) (provided for in subheading 2920.23.00) ...	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107235. ORGANIC PHOSPHITE.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.20.39	1,9-Dicyclohexyl-11-hydroxy-3,7-dimethyl-5H-benzo[d][1,3,2]benzodioxaphosphocine (CAS No. 73912-21-7) (provided for in subheading 2920.90.20)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107236. DIETHYL SULFATE.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.20.40	Diethyl sulfate (CAS No. 64-67-5) (provided for in subheading 2920.90.51)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107237. DIETHYL CARBONATE.**

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.20.41	Diethyl carbonate (CAS No. 105–58–8) (provided for in subheading 2920.90.51)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 107238. ETHYL METHYL CARBONATE.**

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.20.42	Ethyl methyl carbonate (CAS No. 623–53–0) (provided for in subheading 2920.90.51) ...	2.7%	No change	No change	On or before 12/31/2023	”.
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7 **SEC. 107239. TETRADECOXYCARBONYLOXY TETRADECYL**
8 **CARBONATE.**

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.20.43	Tetradecoxycarbonyloxy tetradecyl carbonate (CAS No. 53220–22–7) (provided for in subheading 2920.90.51)	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 107240. DICETYL PEROXYDICARBONATE.**

12 Subchapter II of chapter 99 is amended by inserting
13 in numerical sequence the following new heading:

“	9902.20.44	Hexadecoxycarbonyloxy hexadecyl carbonate (CAS No. 26322–14–5) (provided for in subheading 2920.90.51)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107241. TETRAETHYL SILICATE.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.20.45	Tetraethyl silicate (CAS No. 78-10-4) (provided for in subheading 2920.90.51)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107242. TERT-OCTYLAMINE.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.20.46	2,4,4-Trimethylpentan-2-amine (CAS No. 107-45-9) (provided for in subheading 2921.19.61)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107243. OCTADECYLAMINE.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.20.47	Octadecan-1-amine (Octadecylamine) (CAS No. 124-30-1) (provided for in subheading 2921.19.61)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107244. N'-(3-AMINOPROPYL)-N'-DODECYLPROPANE-1,3-
11 DIAMINE.

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.20.48	N'-(3-Aminopropyl)-N'-dodecylpropane-1,3-diamine (CAS No. 2372-82-9) (provided for in subheading 2921.29.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107245. 1,10-DIAMINODECANE.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.20.49	Decane-1,10-diamine (CAS No. 646-25-3) (provided for in subheading 2921.29.00) ...	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107246. 1,5-PENTANEDIAMINE.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.20.50	Pentane-1,5-diamine (CAS No. 462-94-2) (provided for in subheading 2921.29.00) ...	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107247. DICYCLOHEXYLAMINE.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.20.51	N-cyclohexylcyclohexanamine (CAS No. 101-83-7) (provided for in subheading 2921.30.30)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107248. AMANTADINE HYDROCHLORIDE 99%.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.20.52	Adamantan-1-amine hydrochloride having a purity of at least 99 percent (CAS No. 665-66-7) (provided for in subheading 2921.30.50)	Free	No change	No change	On or before 12/31/2023	”.
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13 SEC. 107249. N,N-DIMETHYLANILINE.

14 Subchapter II of chapter 99 is amended by inserting
15 in numerical sequence the following new heading:

“	9902.20.53	N,N-Dimethylaniline (CAS No. 121-69-7) (provided for in subheading 2921.42.10) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107250. PARANITROANILINE (PNA).

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.20.54	p-Nitroaniline (CAS No. 100-01-6) (provided for in subheading 2921.42.90)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107251. DICLORAN.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.20.55	2,6-Dichloro-4-nitroaniline (Dicloran) (CAS No. 99-30-9) (provided for in subheading 2921.42.90)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107252. N,N-DIMETHYL-P-TOLUIDINE.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.20.56	N,N-Dimethyl-p-toluidine (CAS No. 99-97-8) (provided for in subheading 2921.43.08)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107253. PENDIMETHALIN TECHNICAL.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.20.57	3,4-Dimethyl-2,6-dinitro-N-pentan-3-ylaniline (Pendimethalin) (CAS No. 40487-42-1) (provided for in subheading 2921.49.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107254. BENZYLDIMETHYLAMINE.**

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.20.58	N,N-Dimethyl-1-phenylmethanamine (CAS No. 103-83-3) (provided for in subheading 2921.49.50) ...	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 107255. DIPHENYL DIPHENYLENE DIAMINE.**

5 Subchapter II of chapter 99 is amended by inserting

6 in numerical sequence the following new heading:

“	9902.20.59	1-N,4-N-Diphenylbenzene-1,4-diamine (CAS No. 74-31-7) (provided for in subheading 2921.51.50)	Free	No change	No change	On or before 12/31/2023	”.
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7 **SEC. 107256. CURATIVE FOR EPOXY RESIN SYSTEMS.**

8 Subchapter II of chapter 99 is amended by inserting

9 in numerical sequence the following new heading:

“	9902.20.60	4-[(4-Amino-3-methyl-5-propan-2-ylphenyl)methyl]-2-methyl-6-propan-2-ylaniline (CAS No. 16298-38-7) (provided for in subheading 2921.59.40)	Free	No change	No change	On or before 12/31/2023	”.
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10 **SEC. 107257. TFMB.**

11 Subchapter II of chapter 99 is amended by inserting

12 in numerical sequence the following new heading:

“	9902.20.61	4-[4-Amino-2-(trifluoromethyl)phenyl]-3-(trifluoromethyl)aniline (CAS No. 341-58-2) (provided for in subheading 2921.59.80) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107258. S-N-ALKYL-ANILIN.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.20.62	2-Ethyl-N-[(2S)-1-methoxypropan-2-yl]-6-methylaniline (CAS No. 118604-70-9) (provided for in subheading 2922.19.60) ...	2.9%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107259. P-CRESIDINE.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.20.63	2-Methoxy-5-methylaniline (CAS No. 120-71-8) (provided for in subheading 2922.29.81)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107260. IMINODIACETIC ACID.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.20.64	2-(Carboxymethylamino)acetic acid (CAS No. 142-73-4) (provided for in subheading 2922.49.49)	1%	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107261. 11 AMINOUNDECANOIC ACID.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.20.65	11-Aminoundecanoic acid (CAS No. 2432-99-7) (provided for in subheading 2922.49.49)	2.6%	No change	No change	On or before 12/31/2023	”.
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13 SEC. 107262. L-ORINITHINE L-ASPARTATE.

14 Subchapter II of chapter 99 is amended by inserting
15 in numerical sequence the following new heading:

“	9902.20.66	(2S)-2-Aminobutanedioic acid; (2S)-2,5-diaminopentanoic acid (CAS No. 3230-94-2) (provided for in subheading 2922.49.49)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107263. IRON SODIUM DTPA.

- 2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.20.67	Sodium 2-[bis[2-[bis(carboxymethyl)amino]ethyl]amino]acetate iron (CAS No. 12389-75-2) (provided for in subheading 2922.49.80)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107264. IRON GLYCINATE COMPLEX.

- 5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.20.68	Ferrate(2-), hexaaqua[μ-(glycinato-κO:κO')](glycinato-κO)bis[sulfato(2-)-κO]di-, dihydrogen (CAS No. 536974-51-3) (provided for in subheading 2922.49.80)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107265. COPPER GLYCINATE COMPLEX.

- 8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.20.69	Cuprate(1-), diaqua(glycinato-κO)[sulfato(2-)-κO]-, hydrogen (CAS No. 536974-53-5) (provided for in subheading 2922.49.80)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107266. ZINC GLYCINATE COMPLEX.

- 11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.20.70	Zincate(1-), diaqua(glycinato- κ O)[sulfato(2-)- κ O]-, hydrogen, (T-4)- (CAS No. 536974-54-6) (provided for in subheading 2922.49.80) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107267. MANGANESE GLYCINATE COMPLEX.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.20.71	Manganese(2+) 2-aminoacetate (CAS No. 14281-77-7) (provided for in subheading 2922.49.80)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107268. IRON SODIUM EDDHA.

5 Subchapter II of chapter 99 is amended by inserting

6 in numerical sequence the following new heading:

“	9902.20.72	Iron sodium ethylenediaminedihydroxyphenylacetic acid (sodium [[α,α' -(ethylenediimino)bis[2-hydroxybenzene-1-acetato]](4-)]ferrate(1-)) (CAS No. 16455-61-1) (provided for in subheading 2922.50.35)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107269. DMF-DMA.

8 Subchapter II of chapter 99 is amended by inserting

9 in numerical sequence the following new heading:

“	9902.20.73	1,1-Dimethoxy-N,N-dimethylmethanamine (CAS No. 4637-24-5) (provided for in subheading 2922.50.50)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107270. MIXTURES OF DMSO AND TETRABUTYL AMMO-
11 NIUM FLUORIDE.

12 Subchapter II of chapter 99 is amended by inserting

13 in numerical sequence the following new heading:

“	9902.20.74	Mixtures of methylsulfinylmethane (Dimethyl sulfoxide DMSO) (CAS No. 67-68-5) and tetrabutylammonium fluoride trihydrate (tetrabutylazanium;fluoride;trihydrate) (CAS No. 87749-50-6) (60:40) (provided for in subheading 2923.90.01)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107271. BETAINE.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.20.75	Betaine (2-(trimethylazaniumyl)acetate) (CAS No. 107-43-7) (provided for in subheading 2923.90.01)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107272. PROLONIUM CHLORIDE IN AQUEOUS SOLUTION.

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.20.76	Aqueous solution of [2-hydroxy-3-(trimethylazaniumyl)propyl]-trimethylazanium;dichloride with a concentration of greater than 49 percent and less than 51 percent by weight (CAS No. 55636-09-4) (provided for in subheading 2923.90.01)	Free	No change	No change	On or before 12/31/2023	”.
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8 SEC. 107273. N,N-DIMETHYLACETAMIDE.

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.20.77	N,N-Dimethylacetamide (CAS No. 127-19-5) (provided for in subheading 2924.19.11)	2%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107274. N,N-DIMETHYLFORMAMIDE.**

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.20.78	N,N-Dimethylformamide (CAS No. 68-12-2) (pro- vided for in subheading 2924.19.11)	1.2%	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 107275. DAAM.**

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.20.79	N-(2-Methyl-4-oxo-2- pentanyl)acrylamide (CAS No. 2873-97-4) (provided for in subheading 2924.19.80)	Free	No change	No change	On or before 12/31/2023	”.
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7 **SEC. 107276. L-ALANYL L-GLUTAMINE.**

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.20.80	L-Alanyl L-glutamine ((2S)- 5-amino-2-[(2S)-2- aminopropanoyl]amino]-5- oxopentanoic acid) (CAS No. 39537-23-0) (provided for in subheading 2924.19.80)	Free	No change	No change	On or before 12/31/2023	”.
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10 **SEC. 107277. GRANULAR ACRYLAMIDO-TERT-BUTYL SUL-**
11 **FONIC ACID (ATBS).**

12 Subchapter II of chapter 99 is amended by inserting
13 in numerical sequence the following new heading:

“	9902.20.81	Granular 2-methyl-2-(prop-2- enoylamino)propane-1-sul- fonic acid (CAS No. 15214- 89-8) (provided for in sub- heading 2924.19.80)	6%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107278. GLYCYL-L-GLUTAMINE HYDRATE.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.20.82	Glycyl-L-glutamine hydrate (2S)-5-amino-2-[(2-aminoacetyl)amino]-5-oxopentanoic acid;hydrate) (CAS No. 211446-46-7) (provided for in subheading 2924.19.80)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107279. NOVIFLUMURON.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.20.83	N-[[3,5-Dichloro-2-fluoro-4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]carbamoyl]-2,6-difluorobenzamide (Noviflumuron) (CAS No. 121451-02-3) (provided for in subheading 2924.21.20) ...	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107280. PROPANIL TECHNICAL.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.20.84	N-(3,4-dichlorophenyl)propanamide (CAS No. 709-98-8) (provided for in subheading 2924.29.47)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107281. HEXAFLUMURON.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.20.85	N-[[3,5-Dichloro-4-(1,1,2,2-tetrafluoroethoxy)phenyl]carbamoyl]-2,6-difluorobenzamide (Hexaflumuron) (CAS No. 86479-06-3) (provided for in subheading 2924.29.47)	4.4%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107282. STABILIZER FOR PLASTICS AND RUBBER.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.20.86	3-(3,5-Ditert-butyl-4-hydroxyphenyl)-N-[3-[3-(3,5-ditert-butyl-4-hydroxyphenyl)propanoylamino]propyl]propanamide (CAS No. 69851-61-2) (provided for in subheading 2924.29.71)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107283. 2-AMINO-5-CHLORO-N,3-DIMETHYLBENZAMIDE.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.20.87	2-Amino-5-chloro-N,3-dimethylbenzamide (CAS No. 890707-28-5) (provided for in subheading 2924.29.71) ...	6.1%	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107284. GLYCYL-L-TYROSINE DIHYDRATE.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.20.88	Glycyl-L-tyrosine dihydrate ((2S)-2-[(2-aminoacetyl)amino]-3-(4-hydroxyphenyl)propanoic acid;dihydrate) (CAS No. 39630-46-1) (provided for in subheading 2924.29.71)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107285. L-ALANYL-L-TYROSINE.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.20.89	L-Alanyl L-tyrosine ((2S)-2-[[[(2S)-2-aminopropanoyl]amino]-3-(4-hydroxyphenyl)propanoic acid] (CAS No. 3061-88-9) (provided for in subheading 2924.29.71)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107286. ENZALUTAMIDE ITS-2.**

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.20.90	2-[3-Fluoro-4-(methylcarbamoyl)anilino]-2-methylpropanoic acid (CAS No. 1289942-66-0) (provided for in subheading 2924.29.71)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 107287. 4-BROMO-2-FLUORO-N-METHYLBENZAMIDE.**

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.20.91	4-Bromo-2-fluoro-N-methylbenzamide (CAS No. 749927-69-3) (provided for in subheading 2924.29.71) ...	Free	No change	No change	On or before 12/31/2023	”.
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7 **SEC. 107288. N-BOC-1-AMINOCYCLOBUTANECARBOXYLIC**
8 **ACID.**

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.20.92	1-[(2-Methylpropan-2-yl)oxycarbonylamino]cyclobutane-1-carboxylic acid (CAS No. 120728-10-1) (provided for in subheading 2924.29.95)	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 107289. N'-(1,3-DIMETHYLBUTYLIDENE)-3-HYDROXY-2-**
12 **NAPHTHOHYDRAZIDE (BMH) (OIL TREATED).**

13 Subchapter II of chapter 99 is amended by inserting
14 in numerical sequence the following new heading:

“	9902.20.93	3-Hydroxy-N-[(Z)-4-methylpentan-2-ylideneamino]naphthalene-2-carboxamide (CAS No. 214417-91-1), oil treated (provided for in subheading 2925.19.42)	3.5%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107290. GUANIDINE SULFAMATE.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.20.94	Guanidine sulfamic acid (CAS No. 50979-18-5) (provided for in subheading 2925.29.90)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107291. LIQUID, BLOCKED CYCLOALIPHATIC DIAMINE

5 USED AS CROSSLINKER FOR

6 POLYISOCYANATE RESINS.

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.20.95	2-Methyl-N-[[1,3,3-trimethyl-5-(2-methylpropylideneamino)cyclohexyl]methyl]propan-1-imine (CAS No. 54914-37-3) (provided for in subheading 2925.29.90)	Free	No change	No change	On or before 12/31/2023	”.
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9 SEC. 107292. 3,4-DIFLUOROBENZONITRILE.

10 Subchapter II of chapter 99 is amended by inserting
11 in numerical sequence the following new heading:

“	9902.20.96	3,4-Difluorobenzonitrile (CAS No. 64248-62-0) (provided for in subheading 2926.90.43)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107293. 2-AMINO-5-CYANO-N,3-DIMETHYLBENZAMIDE.**

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.20.97	2-Amino-5-cyano-N,3-dimethylbenzamide (CAS No. 890707-29-6) (provided for in subheading 2926.90.43) ...	4.5%	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 107294. TFMPA.**

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.20.98	2-[3-(Trifluoromethyl)phenyl]acetonitrile (CAS No. 2338-76-3) (provided for in subheading 2926.90.48)	Free	No change	No change	On or before 12/31/2023	”.
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7 **SEC. 107295. DIMETHYL 2,2'-AZOBISISOBUTYRATE.**

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.20.99	Methyl 2-[(1-methoxy-2-methyl-1-oxopropan-2-yl)diazenyl]-2-methylpropanoate (CAS No. 2589-57-3) (provided for in subheading 2927.00.40)	Free	No change	No change	On or before 12/31/2023	”.
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10 **SEC. 107296. ANTIOXIDANT/METAL DEACTIVATOR.**

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.21.01	3-(3,5-Ditert-butyl-4-hydroxyphenyl)-N'-[3-(3,5-ditert-butyl-4-hydroxyphenyl)propanoyl]propanehydrazide (CAS No. 32687-78-8) (provided for in subheading 2928.00.25)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107297. BENZYL CARBAZATE.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.21.02	Benzyl N-aminocarbamate (CAS No. 5331-43-1) (pro- vided for in subheading 2928.00.25)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107298. BENZENE-1,3-DICARBOHYDRAZIDE.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.21.03	Benzene-1,3-dicarbohydrazide (CAS No. 2760-98-7) (pro- vided for in subheading 2928.00.25)	Free	No change	No change	On or before 12/31/2023	”.
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**7 SEC. 107299. INPUT FOR RESINS, COATINGS, AND OTHER
8 PRODUCTS.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.21.04	1,3-Bis(isocyanatomethyl) cyclohexane (CAS No. 38661-72-2) (provided for in subheading 2929.10.55)	Free	No change	No change	On or before 12/31/2023	”.
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11 SEC. 107300. ALDICARB.

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.21.05	[(E)-(2-Methyl-2- methylsulfanylpropyliden- e)amino] N-methylcarbamate (Aldicarb) (CAS No. 116- 06-3) (provided for in sub- heading 2930.80.00)	2.9%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107301. FLUBENDIAMIDE.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.21.06	1-N-[4-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-2-methylphenyl]-3-iodo-2-N-(2-methyl-1-methylsulfonylpropan-2-yl)benzene-1,2-dicarboxamide (Flubendiamide) (CAS No. 272451-65-7) (provided for in subheading 2930.90.10) ...	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107302. BENZOBICYCLON.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.21.07	3-[2-Chloro-4-(methylsulfonyl)benzoyl]-4-(phenylsulfanyl)bicyclo[3.2.1]oct-3-en-2-one (Benzobicyclon) (CAS No. 156963-66-5) (provided for in subheading 2930.90.10) ...	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107303. DIPHENYLSULFONE (DPS).

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.21.08	Benzenesulfonylbenzene (CAS No. 127-63-9) (provided for in subheading 2930.90.29) ...	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107304. PHENOLIC ANTIOXIDANT.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.21.09	2,4-bis(Dodecylsulfanylmethyl)-6-methylphenol (CAS No. 110675-26-8) (provided for in subheading 2930.90.29) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107305. PHENOLIC ANTIOXIDANT AND HEAT STA-**
 2 **BILIZER.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.21.10	2-[2-[3-(3,5-ditert-Butyl-4-hydroxyphenyl)propanoyloxy]ethylsulfanyl]ethyl 3-(3,5-ditert-butyl-4-hydroxyphenyl)propanoate (CAS No. 41484-35-9) (provided for in subheading 2930.90.29)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107306. PHENYLCHLOROTHIOFORMATE (PTCFM).**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.21.11	o-Phenyl chloromethanethioate (CAS No. 1005-56-7) (provided for in subheading 2930.90.29)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 107307. METHYLENE BIS THIOCYANATE.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.21.12	Thiocyanatomethyl thiocyanate (CAS No. 6317-18-6) (provided for in subheading 2930.90.30)	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 107308. OXAMYL.**

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.21.13	Methyl (1Z)-2-(dimethylamino)-N-(methylcarbamoyloxy)-2-oxoethanimidothioate (CAS No. 23135-22-0) (provided for in subheading 2930.90.43)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107309. L-CYSTINE.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.21.14	(2R)-2-Amino-3-[[2-(2-amino-2-carboxyethyl)disulfanyl]propanoic acid (CAS No. 56–89–3) (provided for in subheading 2930.90.49)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107310. L-CYSTEINE.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.21.15	(2R)-2-Amino-3-sulfanylpropanoic acid (L-cysteine) (CAS No. 52–90–4) (provided for in subheading 2930.90.49)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107311. N,N'-BIS-L-ALANYL-L-CYSTINE.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.21.16	2-(2-Aminopropanoylamino)-3-[[2-(2-aminopropanoylamino)-2-carboxyethyl]disulfanyl]propanoic acid (N,N'-bis-L-alanyl-L-cysteine) (CAS No. 115888–13–6) (provided for in subheading 2930.90.49)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107312. LUBRICANT ADDITIVE.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.21.17	3-[bis(2-Methylpropoxy)phosphinothioylsulfanyl]-2-methylpropanoic acid (CAS No. 268567-32-4) (provided for in subheading 2930.90.49)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107313. SODIUM BENZENESULFINATE.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.21.18	Sodium benzenesulfinate (CAS No. 873-55-2) (provided for in subheading 2930.90.91)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107314. THIO-ETHER BASED CO-STABILIZER FOR PLAS-
5 TICS.

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.21.19	1-(Octadecylsulfanyl)octadecane (CAS No. 2500-88-1) (provided for in subheading 2930.90.91)	Free	No change	No change	On or before 12/31/2023	”.
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8 SEC. 107315. L-CYSTEINE HYDRATE HYDROCHLORIDE.

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.21.20	(2R)-2-Amino-3-sulfanylpropanoic acid;hydrate;hydrochloride (CAS No. 7048-04-6) (provided for in subheading 2930.90.91)	Free	No change	No change	On or before 12/31/2023	”.
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11 SEC. 107316. DIMERCAPROL.

12 Subchapter II of chapter 99 is amended by inserting
13 in numerical sequence the following new heading:

“	9902.21.21	2,3-Bis(sulfanyl)propan-1-ol (CAS No. 59-52-9) (provided for in subheading 2930.90.91)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107317. MONOAMMONIUM SALT OF GLYPHOSATE.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.21.22	Azane;2-(phosphonomethylamino)acetic acid (CAS No. 40465-66-5) (provided for in subheading 2931.39.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107318. THPC.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.21.23	Tetrakis(hydroxymethyl) phosphonium chloride (CAS No. 124-64-1) (provided for in subheading 2931.39.00) ...	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107319. FLAME RETARDANT FOR TEXTILES.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.21.24	Tetrakis(hydroxymethyl) phosphonium sulfate (CAS No. 55566-30-8) (provided for in subheading 2931.39.00)	1.5%	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107320. GLYPHOSATE.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.21.25	N-(Phosphonomethyl)glycine (Glyphosate) (CAS No. 1071-83-6) (provided for in subheading 2931.39.00)	3.5%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107321. ETHEPHON.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.21.26	(2-Chloroethyl)phosphonic acid (Ethephon) (CAS No. 16672-87-0) (provided for in subheading 2931.39.00)	2.4%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107322. BENZENE PHOSPHINIC ACID.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.21.27	Phenylphosphinic acid (CAS No. 1779-48-2) (provided for in subheading 2931.39.00)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107323. HEDP.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.21.28	Tetrasodium;1,1-diphosphonatoethanol (CAS No. 3794-83-0), in granule form, with a particle size of 250 µm to 850 µm (provided for in subheading 2931.39.00)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107324. TRIMETHYLCHLOROSILANE.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.21.29	Chloro(trimethyl)silane (CAS No. 75-77-4) (provided for in subheading 2931.90.90) ...	Free	No change	No change	On or before 12/31/2023	”.
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13 SEC. 107325. CHLORO-(CHLOROMETHYL)-DIMETHYLSILANE.

14 Subchapter II of chapter 99 is amended by inserting
15 in numerical sequence the following new heading:

“	9902.21.30	Chloro-(chloromethyl)- dimethylsilane (CAS No. 1719–57–9) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107326. SILICONE FOR ELECTRONICS CLEANERS.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.21.31	[Dimethyl(trimethylsilyloxy) silyl]oxy-dimethyl- trimethylsilyloxysilane (CAS No. 141–62–8) (provided for in subheading 2931.90.90) ...	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107327. SILICON CARRIER FLUID FOR ACTIVE LO-
5 TIONS, CREAMS.

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.21.32	Dodecamethylpentasiloxane; bis[[dimethyl (trimethylsilyloxy)silyl]oxy]- dimethylsilane (CAS No. 141–63–9) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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8 SEC. 107328. VINYLTRIMETHOXYSILANE.

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.21.33	Ethenyl(trimethoxy)silane (CAS No. 2768–02–7) (pro- vided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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11 SEC. 107329. N-OCTYLTRIETHOXYSILANE.

12 Subchapter II of chapter 99 is amended by inserting
13 in numerical sequence the following new heading:

“	9902.21.34	Triethoxy(octyl)silane (CAS No. 2943-75-1) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107330. DIMETHYLBIS(S-BUTYLAMINO)SILANE.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.21.35	N-[(Butan-2-ylamino)-dimethylsilyl]butan-2-amine (CAS No. 93777-98-1) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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**4 SEC. 107331. AQUEOUS SOLUTION OF POTASSIUM METHYL
5 SILICONATE.**

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.21.36	Tripotassium; methyl(trioxido)silane in aqueous solution (CAS No. 31795-24-1) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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8 SEC. 107332. OCTYLTRIMETHOXYSILANE.

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.21.37	Trimethoxy(2,4,4-trimethylpentyl)silane (CAS No. 34396-03-7) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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11 SEC. 107333. OCTLYTRIETHOXYSILANE.

12 Subchapter II of chapter 99 is amended by inserting
13 in numerical sequence the following new heading:

“	9902.21.38	Triethoxy(2,4,4-trimethylpentyl)silane (CAS No. 35435-21-3) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107334. METHYLTRIS(SEC-BUTYLAMINO)SILANE.**

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.21.40	N-[Bis(butan-2-ylamino)methylsilyl]butan-2-amine (CAS No. 37697-65-7) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 107335.**
5 **METHYLTRIS(METHYLETHYLKETOXIMINO)**
6 **SILANE (MOS).**

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.21.41	(E)-N-[Bis[(E)-butan-2-ylideneamino]oxy]methylsilyloxybutan-2-imine (CAS No. 22984-54-9) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 107336. HEPTAMETHYLTRISILOXANE.**

10 Subchapter II of chapter 99 is amended by inserting
11 in numerical sequence the following new heading:

“	9902.21.42	Methylbis(trimethylsilyloxy)silicon (CAS No. 1873-88-7) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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12 **SEC. 107337. TETRAMETHYLDISILOXANE.**

13 Subchapter II of chapter 99 is amended by inserting
14 in numerical sequence the following new heading:

“	9902.21.43	1,1,3,3-Tetramethyldisiloxane (CAS No. 3277-26-7) (provided for in subheading 2931.90.90)	1%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107338. DIMETHYLCHLOROSILANE.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.21.44	Chloro(dimethyl)silicon (CAS No. 1066-35-9) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107339. DICHLOROMETHYLSILANE.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.21.45	Dichloromethylsilane (CAS No. 75-54-7) (provided for in subheading 2931.90.90) ...	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107340. TRIS(TFP)-METHYLCYCLO-TRISILOXANE DR.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.21.46	2,4,6-Trimethyl-2,4,6-tris(3,3,3-trifluoropropyl)-1,3,5,2,4,6-trioxatrisilane (CAS No. 2374-14-3) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107341. TETRAVINYL TETRAMETHYLCYCLOTETRA-
11 SILOXANE.

12 Subchapter II of chapter 99 is amended by inserting
13 in numerical sequence the following new heading:

“	9902.21.47	2,4,6,8-Tetrakis(ethenyl)- 2,4,6,8-tetramethyl- 1,3,5,7,2,4,6,8- tetraoxatetrasiloxane (CAS No. 2554-06-5) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107342. DIVINYLTETRAMETHYLDISILOXANE.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.21.48	Ethenyl-[eth- enyl(dimethyl)silyl]oxy- dimethylsilane (CAS No. 2627-95-4) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107343. INPUT FOR PLANT PROTECTION AGENT.

5 Subchapter II of chapter 99 is amended by inserting

6 in numerical sequence the following new heading:

“	9902.21.49	Cyclopropanol, 2- (butyldimethylsilyl)-1-methyl- 1-metanasulfonate (CAS No. 1446996-86-6) (provided for in subheading 2931.90.90) ...	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107344. STRAWBERRY FURANONE.

8 Subchapter II of chapter 99 is amended by inserting

9 in numerical sequence the following new heading:

“	9902.21.50	4-Hydroxy-2,5-dimethylfuran- 3-one (CAS No. 3658-77-3) (provided for in subheading 2932.19.51)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107345. EMAMECTIN BENZOATE.

11 Subchapter II of chapter 99 is amended by inserting

12 in numerical sequence the following new heading:

“	9902.21.51	(4''R)-4''-Deoxy-4''-(methylamino)avermectin b1 benzoate (CAS No. 155569-91-8) (provided for in subheading 2932.20.10)	5.3%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107346. GIBBERELIC ACID.

- 2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.21.52	(1R,2R,5S,8S,9S,10R,11S,12S)-5,12-Dihydroxy-11-methyl-6-methylidene-16-oxo-15-oxapentacyclo [9.3.2.15,8.01,10.02,8] heptadec-13-ene-9-carboxylic acid (Gibberelic acid) (CAS No. 77-06-5) (provided for in subheading 2932.20.50) ...	1.9%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107347. ROSE OXIDE.

- 5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.21.53	4-Methyl-2-(2-methylprop-1-enyl)oxane (CAS No. 16409-43-1) (provided for in subheading 2932.99.90)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107348. VINYLENE CARBONATE.

- 8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.21.54	1,3-Dioxol-2-one (CAS No. 872-36-6) (provided for in subheading 2932.99.90)	0.5%	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107349. KASUGAMYCIN TECHNICAL.

- 11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.21.55	2-Amino-2-[(2R,3S,5S,6R)-5-amino-2-methyl-6-[(2S,3S,5S,6R)-2,3,4,5,6-pentahydroxycyclohexyl]oxyoxan-3-yl]iminoacetic acid;hydrochloride (CAS No. 19408-46-9) (provided for in subheading 2932.99.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107350. 2H-CYCLODODECA[B]PYRAN.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.21.56	3,4,5,6,7,8,9,10,11,12,13,14-Dodecahydro-2H-cyclododeca[b]pyran (CAS No. 32539-83-6) (provided for in subheading 2932.99.90)	1%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107351. BIXAFEN.

5 Subchapter II of chapter 99 is amended by inserting

6 in numerical sequence the following new heading:

“	9902.21.57	N-[2-(3,4-Dichlorophenyl)-4-fluorophenyl]-3-(difluoromethyl)-1-methylpyrazole-4-carboxamide (CAS No. 581809-46-3) (provided for in subheading 2933.19.23)	2.6%	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107352. FLUXAPYROXAD.

8 Subchapter II of chapter 99 is amended by inserting

9 in numerical sequence the following new heading:

“	9902.21.58	3-(Difluoromethyl)-1-methyl-N-(3',4',5'-trifluorobiphenyl-2-yl)pyrazole-4-carboxamide (Fluxapyroxad) (CAS No. 907204-31-3) (provided for in subheading 2933.19.23) ...	5.7%	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107353. 3,5 DIMETHYLPYRAZOLE.

11 Subchapter II of chapter 99 is amended by inserting

12 in numerical sequence the following new heading:

“	9902.21.59	3,5-Dimethyl-1H-pyrazole (CAS No. 67-51-6) (provided for in subheading 2933.19.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107354. PYRACLONIL.

- 2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.21.60	1-(3-Chloro-4,5,6,7-tetrahydropyrazolo[1,5-a]pyridin-2-yl)-5-[methyl(prop-2-ynyl)amino]pyrazole-4-carbonitrile (Pyraclonil) (CAS No. 158353-15-2) (provided for in subheading 2933.19.90)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107355. IMIDAZOLIDINYL UREA.

- 5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.21.61	1-[3-(Hydroxymethyl)-2,5-dioximidazolidin-4-yl]-3-[[[3-(hydroxymethyl)-2,5-dioximidazolidin-4-yl] carbamoylamino]methyl]urea (CAS No. 39236-46-9) (provided for in subheading 2933.21.00)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107356. ALLANTOIN.

- 8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.21.62	(2,5-Dioximidazolidin-4-yl)urea (CAS No. 97-59-6) (provided for in subheading 2933.21.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107357. EMULSIFIABLE CONCENTRATE OF IMAZALIL**
 2 **FUNGICIDE.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.21.63	Mixtures of (1-[2-(allyloxy)-2-(2,4-dichlorophenyl)ethyl]-1H-imidazole) (Imazalil) (CAS No. 35554-44-0) and application adjuvants (provided for in subheading 2933.29.35)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107358. TECHNICAL CYAZOFAMID FUNGICIDE.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.21.64	4-Chloro-2-cyano-N,N-dimethyl-5-(4-methylphenyl)imidazole-1-sulfonamide (Cyazofamid) (CAS No. 120116-88-3) (provided for in subheading 2933.29.35)	3.1%	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 107359. IMAZALIL SULFATE.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.21.65	1-[2-(2,4-Dichlorophenyl)-2-(prop-2-en-1-yloxy)ethyl]-1H-imidazole sulfate (Imazalil sulfate) (CAS No. 58594-72-2) (provided for in subheading 2933.29.35)	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 107360. 1,2-DIMETHYLIMIDAZOLE.**

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.21.66	1,2-Dimethylimidazole (CAS No. 1739-84-0) (provided for in subheading 2933.29.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107361. 2-METHYLIMIDAZOLE FLAKES.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.21.67	2-Methyl-1H-imidazole (CAS No. 693-98-1) (provided for in subheading 2933.29.90) ...	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107362. DIAZOLIDINYL UREA.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.21.68	1-[1,3-Bis(hydroxymethyl)-2,5-dioximidazolidin-4-yl]-1,3-bis(hydroxymethyl)urea (CAS No. 78491-02-8) (provided for in subheading 2933.29.90)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107363. 1-(2-AMINOETHYL)IMIDAZOLIDIN-2-ONE (AEEU).

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.21.69	1-(2-Aminoethyl)imidazolidin-2-one (CAS No. 6281-42-1) (provided for in subheading 2933.29.90)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107364. ZINC PYRITHIONE.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.21.70	Zinc;1-oxidopyridin-1-ium-2-thiolate (CAS No. 13463-41-7) (provided for in subheading 2933.39.21)	Free	No change	No change	On or before 12/31/2023	”.
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13 SEC. 107365. TECHNICAL PYRIOFENONE FUNGICIDE.

14 Subchapter II of chapter 99 is amended by inserting
 15 in numerical sequence the following new heading:

“	9902.21.71	(5-Chloro-2-methoxy-4-methyl-3-pyridyl)(4,5,6-trimethoxy-o-tolyl)methanone (Pyriofenone) (CAS No. 688046-61-9) (provided for in subheading 2933.39.21) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107366. PICOXYSTROBIN.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.21.72	Methyl (E)-3-methoxy-2-[2-[[6-(trifluoromethyl)pyridin-2-yl]oxymethyl]phenyl]prop-2-enoate (Picoxystrobin) (CAS No. 117428-22-5) (provided for in subheading 2933.39.21)	5.2%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107367. TRICLOPYR BEE.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.21.73	2-Butoxyethyl 2-(3,5,6-trichloropyridin-2-yl)oxyacetate (CAS No. 64700-56-7) (provided for in subheading 2933.39.25)	1.6%	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107368. IMAZAPYR.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.21.74	2-(4-Methyl-5-oxo-4-propan-2-yl-1H-imidazol-2-yl)pyridine-3-carboxylic acid (Imazapyr) (CAS No. 81334-34-1) (provided for in subheading 2933.39.25)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107369. TETRANILIPROLE.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.21.75	2-(3-Chloropyridin-2-yl)-N-[4-cyano-2-methyl-6-(methylcarbamoyl)phenyl]-5-[[5-(trifluoromethyl)tetrazol-2-yl]methyl]pyrazole-3-carboxamide (CAS No. 1229654-66-3) (provided for in subheading 2933.39.27) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107370. CYANTRANILIPROLE.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.21.76	5-Bromo-2-(3-chloropyridin-2-yl)-N-[4-cyano-2-methyl-6-(methylcarbamoyl)phenyl]pyrazole-3-carboxamide (Cyantraniliprole) (CAS No. 736994-63-1) (provided for in subheading 2933.39.27) ...	3.1%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107371. CHLORANTRANILIPROLE.

5 Subchapter II of chapter 99 is amended by inserting

6 in numerical sequence the following new heading:

“	9902.21.77	5-Bromo-N-[4-chloro-2-methyl-6-(methylcarbamoyl)phenyl]-2-(3-chloropyridin-2-yl)pyrazole-3-carboxamide (Chlorantraniliprole) (CAS No. 500008-45-7) (provided for in subheading 2933.39.27)	4.8%	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107372. CHLORPYRIFOS.

8 Subchapter II of chapter 99 is amended by inserting

9 in numerical sequence the following new heading:

“	9902.21.78	O,O-Diethyl O-3,5,6-trichloropyridin-2-yl phosphorothioate (Chlorpyrifos) (CAS No. 2921-88-2) (provided for in subheading 2933.39.27)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107373. TECHNICAL CYCLANILIPROLE INSECTICIDE.**

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.21.79	3-Bromo-N-[2-bromo-4-chloro-6-[[[1-cyclopropylethyl]amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (Cyclaniliprole) (CAS No. 1031756-98-5) (provided for in subheading 2933.39.27) ...	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 107374. REGORAFENIB.**

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.21.80	4-[4-[4-Chloro-3-(trifluoromethyl)phenyl]carbamoylamino]-3-fluorophenoxy]-N-methylpyridine-2-carboxamide monohydrate (Regorafenib) (CAS No. 1019206-88-2) (provided for in subheading 2933.39.41)	Free	No change	No change	On or before 12/31/2023	”.
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7 **SEC. 107375. N-BUTYL-TAD.**

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.21.81	N-Butyl-2,2,6,6-tetramethylpiperidin-4-amine (CAS No. 36177-92-1) (provided for in subheading 2933.39.61)	Free	No change	No change	On or before 12/31/2023	”.
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10 **SEC. 107376. HINDERED AMINE LIGHT STABILIZER AND**
11 **PHENOLIC ANTIOXIDANT.**

12 Subchapter II of chapter 99 is amended by inserting
13 in numerical sequence the following new heading:

“	9902.21.82	Bis(1,2,2,6,6-pentamethylpiperidin-4-yl) 2-butyl-2-[(3,5-ditert-butyl-4-hydroxyphenyl)methyl]propanedioate (CAS No. 63843-89-0) (provided for in subheading 2933.39.61)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107377. 4-HYDROXY-TEMPO.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.21.83	4-Hydroxy-2,2,6,6-tetramethylpiperidinoxyl (CAS No. 2226-96-2) (provided for in subheading 2933.39.61)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107378. 2,2,6,6-TETRAMETHYLPYPERIDIN-4-OL (TMP).

5 Subchapter II of chapter 99 is amended by inserting

6 in numerical sequence the following new heading:

“	9902.21.84	2,2,6,6-Tetramethylpiperidin-4-ol (CAS No. 2403-88-5) (provided for in subheading 2933.39.61)	Free	No change	No change	On or before 12/31/2023	”.
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**7 SEC. 107379. 5-BROMO-2-(3-CHLOROPYRIDIN-2-
8 YL)PYRAZOLE-3-CARBOXYLIC ACID.**

9 Subchapter II of chapter 99 is amended by inserting

10 in numerical sequence the following new heading:

“	9902.21.85	5-Bromo-2-(3-chloropyridin-2-yl)pyrazole-3-carboxylic acid (CAS No. 500011-86-9) (provided for in subheading 2933.39.61)	6.4%	No change	No change	On or before 12/31/2023	”.
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11 SEC. 107380. 2-CHLORO-5-(TRIFLUOROMETHYL)PYRIDINE.

12 Subchapter II of chapter 99 is amended by inserting

13 in numerical sequence the following new heading:

“	9902.21.86	2-Chloro-5-(trifluoromethyl)pyridine (CAS No. 52334-81-3) (provided for in subheading 2933.39.61)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107381. PICARBUTROX.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.21.87	Tert-butyl N-[6-[(Z)-[(1-methyltetrazol-5-yl)-phenylmethylidene]amino]oxymethyl]pyridin-2-yl]carbamate (CAS No. 500207-04-5) (provided for in subheading 2933.39.61) ...	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107382. 5-AMINO-3-(TRIFLUROMETHYL) PICOLINO-
5 NITRILE (T3630).

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.21.88	5-Amino-3-(trifluoromethyl)pyridine-2-carbonitrile (T3630) (CAS No. 573762-62-6) (provided for in subheading 2933.39.61)	3.5%	No change	No change	On or before 12/31/2023	”.
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8 SEC. 107383. DEXTROMETHORPHAN HYDROBROMIDE.

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.21.89	Dextromethorphan hydrobromide (monohydrate (CAS No. 6700-34-1) or anhydrous (CAS No. 125-69-9)) (provided for in subheading 2933.49.26)	Free	No change	No change	On or before 12/31/2023	”.
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11 SEC. 107384. IPFLUFENOQUIN.

12 Subchapter II of chapter 99 is amended by inserting
13 in numerical sequence the following new heading:

“	9902.21.90	2-[2-(7,8-Difluoro-2-methylquinolin-3-yl)oxy-6-fluorophenyl]propan-2-ol (CAS No. 1314008-27-9) (provided for in subheading 2933.49.30)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107385. THQ.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.21.91	1,2,3,4-Tetrahydroquinoline (CAS No. 635-46-1) (provided for in subheading 2933.49.70)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107386. PYRITHIOBAC SODIUM.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.21.92	Sodium 2-chloro-6-(4,6-dimethoxypyrimidin-2-yl)sulfanylbenzoate (CAS No. 123343-16-8) (provided for in subheading 2933.59.10) ...	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107387. LAROTRECTINIB SULFATE.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.21.93	(3S)-N-[5-[(2R)-2-(2,5-Difluorophenyl)pyrrolidin-1-yl]pyrazolo[1,5-a]pyrimidin-3-yl]-3-hydroxypyrridine-1-carboxamide sulfuric acid (Larotrectinib sulfate) (CAS No. 1223405-08-0) (provided for in subheading 2933.59.53)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107388. IBRUTINIB.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.21.94	1-[(3R)-3-[4-Amino-3-(4-phenoxyphenyl)pyrazolo[3,4-d]pyrimidin-1-yl]piperidin-1-yl]prop-2-en-1-one (Ibrutinib) (CAS No. 936563-96-1) (provided for in subheading 2933.59.53)	5.1%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107389. ORTHOSULFAMURON.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.21.95	1-(4,6-Dimethoxypyrimidin-2-yl)-3-[2-(dimethylcarbamoyl)phenylsulfamoyl]urea (Orthosulfamuron) (CAS No. 213464-77-8) (provided for in subheading 2933.59.95) ...	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107390. 5-BROMOPYRIMIDINE.

5 Subchapter II of chapter 99 is amended by inserting

6 in numerical sequence the following new heading:

“	9902.21.96	5-Bromopyrimidine (CAS No. 4595-59-9) (provided for in subheading 2933.59.95)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107391. BUTYLTHION.

8 Subchapter II of chapter 99 is amended by inserting

9 in numerical sequence the following new heading:

“	9902.21.97	4-Amino-6-tert-butyl-3-sulfanylidene-2H-1,2,4-triazin-5-one (Butylthion) (CAS No. 33509-43-2) (provided for in subheading 2933.69.60)	1%	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107392. P-1062.

11 Subchapter II of chapter 99 is amended by inserting

12 in numerical sequence the following new heading:

“	9902.21.98	4-[4,6-Bis(2,4-dimethylphenyl)-1,3,5-triazin-2-yl]benzene-1,3-diol (P-1062) (CAS No. 1668-53-7) (provided for in subheading 2933.69.60)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107393. CARFENTRAZONE TECHNICAL.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.21.99	Ethyl 2-chloro-3-[2-chloro-5-[4-(difluoromethyl)-3-methyl-5-oxo-1,2,4-triazol-1-yl]-4-fluorophenyl]propanoate (Carfentrazone-ethyl) (CAS No. 128639-02-1) (provided for in subheading 2933.99.22)	3.3%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107394. UV ABSORBER 928.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.22.01	2-(Benzotriazol-2-yl)-6-(2-phenylpropan-2-yl)-4-(2,4,4-trimethylpentan-2-yl)phenol (CAS No. 73936-91-1) (provided for in subheading 2933.99.79)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107395. UV ABSORBER FOR INDUSTRIAL COATINGS.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.22.02	Methyl 3-[3-(benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl]propanoate (CAS No. 84268-33-7) (provided for in subheading 2933.99.79)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107396. UNICONAZOLE-P.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.22.03	(4Z)-5-(4-Chlorophenyl)-2,2-dimethyl-4-(1H-1,2,4-triazol-1-yl)-4-hexen-3-ol (Uniconazole-P) (CAS No. 83657-17-4) (provided for in subheading 2933.99.79)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107397. VCMMAE.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.22.04	[4-[[[(2S)-5-(Carbamoylamino)-2-[[[(2S)-2-[6-(2,5-dioxopyrrol-1-yl)hexanoylamino]-3-methylbutanoyl]amino]pentanoyl]amino]phenyl]methyl N-[[[(2S)-1-[[[(2S)-1-[[[(3R,4S,5S)-1-[(2S)-2-[[[(1R,2R)-3-[[[(1S,2R)-1-hydroxy-1-phenylpropan-2-yl]amino]-1-methoxy-2-methyl-3-oxopropyl]pyrrolidin-1-yl]-3-methoxy-5-methyl-1-oxoheptan-4-yl]-methylamino]-3-methyl-1-oxobutan-2-yl]amino]-3-methyl-1-oxobutan-2-yl]-N-methylcarbamate (CAS No. 646502-53-6) (provided for in subheading 2933.99.79) ...	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107398. UVA 360.

5 Subchapter II of chapter 99 is amended by inserting

6 in numerical sequence the following new heading:

“	9902.22.05	2-(Benzotriazol-2-yl)-6-[[3-(benzotriazol-2-yl)-2-hydroxy-5-(2,4,4-trimethylpentan-2-yl)phenyl]methyl]-4-(2,4,4-trimethylpentan-2-yl)phenol (CAS No. 103597-45-1) (provided for in subheading 2933.99.79)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107399. TROFINETIDE.

8 Subchapter II of chapter 99 is amended by inserting

9 in numerical sequence the following new heading:

“	9902.22.06	(2S)-2-[(2S)-1-(2-Aminoacetyl)-2-methylpyrrolidine-2-carbonylamino]pentanedioic acid (Trofinetide) (CAS No. 853400–76–7) (provided for in subheading 2933.99.90) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107400. FLURAZOLE.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.22.07	Benzyl 2-chloro-4-(trifluoromethyl)-1,3-thiazole-5-carboxylate (CAS No. 72850–64–7) (provided for in subheading 2934.10.10)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107401. OXATHIPIPROLIN.

5 Subchapter II of chapter 99 is amended by inserting

6 in numerical sequence the following new heading:

“	9902.22.08	1-(4-{4-[5-(2,6-Difluorophenyl)-4,5-dihydro-1,2-oxazol-3-yl]-1,3-thiazol-2-yl}-1-piperidinyl)-2-[5-methyl-3-(trifluoromethyl)-1H-pyrazol-1-yl]ethanone (Oxathiapiprolin) (CAS No. 1003318–67–9) (provided for in subheading 2934.10.10) ...	5.5%	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107402. CERTAIN ANTIMICROBIAL.

8 Subchapter II of chapter 99 is amended by inserting

9 in numerical sequence the following new heading:

“	9902.22.09	2-Methyl-1,2-thiazol-3-one (CAS No. 2682–20–4) (provided for in subheading 2934.10.90)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107403. RUBBER ACCELERATOR.

11 Subchapter II of chapter 99 is amended by inserting

12 in numerical sequence the following new heading:

“	9902.22.10	2-(1,3-Benzothiazol-2-yl)disulfanyl)-1,3-benzothiazole (CAS No. 120-78-5) (provided for in subheading 2934.20.10)	2.5%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107404. 2-AMINO BENZOTHAZOLE.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.22.11	1,3-Benzothiazol-2-amine (CAS No. 136-95-8) (provided for in subheading 2934.20.80)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107405. TECHNICAL ISOFETAMID FUNGICIDE.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.22.12	3-Methyl-N-[2-methyl-1-(2-methyl-4-propoxyphenyl)-1-oxopropan-2-yl]thiophene-2-carboxamide (Isfetamid) (CAS No. 875915-78-9) (provided for in subheading 2934.99.12) ...	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107406. CLOMAZONE TECHNICAL.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.22.13	2-[(2-Chlorophenyl)methyl]-4,4-dimethyl-1,2-oxazolidin-3-one (Clomazone) (CAS No. 81777-89-1) (provided for in subheading 2934.99.15)	5.5%	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107407. NEM SALT.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.22.14	4-(4-Methylphenyl)-4-oxobutanoic acid-4-ethylmorpholine (2:1) (CAS No. 171054-89-0) (provided for in subheading 2934.99.39)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107408. AMTC WET CAKE.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.22.15	5-Amino-3-methylthiophene-2,4-dicarbonitrile (CAS No. 52603-48-2) (provided for in subheading 2934.99.39)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107409. PHOTOINITIATOR 369.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.22.16	2-Benzyl-2-(dimethylamino)-1-(4-morpholin-4-ylphenyl)butan-1-one (CAS No. 119313-12-1) (provided for in subheading 2934.99.39)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107410. ISATOIC ANHYDRIDE.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.22.17	2H-3,1-Benzoxazine-2,4(1H)-dione (Isatoic anhydride) (CAS No. 118-48-9) (provided for in subheading 2934.99.44)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107411. OCLACITINIB MALEATE.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.22.18	(Z)-But-2-enedioic acid; N-methyl-1-[4-[methyl(7H-pyrrolo[2,3-d]pyrimidin-4-yl)amino]cyclohexyl]methanesulfonamide (CAS No. 1208319-27-0) (provided for in subheading 2935.90.60)	5.2%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107412. THIENCARBAZONE-METHYL.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.22.19	Methyl 4-[(3-methoxy-4-methyl-5-oxo-1,2,4-triazole-1-carbonyl)sulfamoyl]-5-methylthiophene-3-carboxylate (Thiencarbazone-methyl) (CAS No. 317815-83-1) (provided for in subheading 2935.90.75)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107413. PENOXSULAM TECHNICAL HERBICIDE.

5 Subchapter II of chapter 99 is amended by inserting

6 in numerical sequence the following new heading:

“	9902.22.20	2-(2,2-Difluoroethoxy)-N-(5,8-dimethoxy-[1,2,4]triazolo[1,5-c]pyrimidin-2-yl)-6-(trifluoromethyl)benzenesulfonamide (Penoxsulam) (CAS No. 219714-96-2) (provided for in subheading 2935.90.75) ...	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107414. ETHYL 2-SULFAMOYLBENZOATE.

8 Subchapter II of chapter 99 is amended by inserting

9 in numerical sequence the following new heading:

“	9902.22.21	Ethyl 2-(Aminosulfonyl)benzoate (CAS No. 59777-72-9) (provided for in subheading 2935.90.75)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107415. SULFOSULFURON.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.22.22	1-(4,6-Dimethoxypyrimidin-2-yl)-3-(2-ethylsulfonylimidazo[1,2-a]pyridin-3-yl)sulfonylurea (Sulfosulfuron) (CAS No. 141776-32-1) (provided for in subheading 2935.90.75) ...	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107416. PYRIMISULFAN.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.22.23	(RS)-2'-[(4,6-dimethoxypyrimidin-2-yl)(hydroxymethyl)-1,1-difluoro-6'-(methoxymethyl)methanesulfonamide (Pyrimisulfan) (CAS No. 221205-90-9) (provided for in subheading 2935.90.95) ...	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107417. PURIFIED STEVIOL GLYCOSIDE,
8 REBAUDIOSIDE A.

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.22.24	Purified steviol glycosides, containing not less than 95 percent by weight rebaudioside A (19-O-β-glucopyranosyl-13-O-(β-glucopyranosyl(1-2)-β-glucopyranosyl(1-3))-β-glucopyranosyl-13-hydroxykaur-16-en-19-oic acid) (CAS No. 58543-16-1) (provided for in subheading 2938.90.00)	2.5%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107418. GLUCOSYLATED STEVIOL GLYCOSIDES.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.22.25	13-[(2-O-β-D-Glucopyranosyl- α-D-glucopyranosyl)oxy]kaur- 16-en-18-oic acid β-D- glucopyranosyl ester (Stevio- side) (CAS No. 57817-89-7) (provided for in subheading 2938.90.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107419. HYDROXYPROPYL GAMMA CYCLODEXTRIN.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.22.26	(2-Hydroxypropyl)-γ- cyclodextrin (hydroxypropylated γ- cyclodextrin) (CAS No. 128446-34-4) (provided for in subheading 2940.00.60) ...	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107420. HYDROXYPROPYLATED BETA CYCLODEXTRIN.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.22.27	2-Hydroxypropyl-β- cyclodextrin (CAS No. 128446-35-5) (provided for in subheading 2940.00.60) ...	1%	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107421. METHYL BETA CYCLODEXTRIN.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.22.28	Methyl β-cyclodextrin (CAS No. 128446-36-6) (provided for in subheading 2940.00.60)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107422. 2'-FUCOSYLLACTOSE.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.22.29	(2R,3R,4R,5R)-4-[(2S,3R,4S,5R,6R)-4,5-Dihydroxy-6-(hydroxymethyl)-3-[(2S,3S,4R,5S,6S)-3,4,5-trihydroxy-6-methyloxan-2-yl]oxyoxan-2-yl]oxy-2,3,5,6-tetrahydroxyhexanal (2'-Fucosyllactose) (CAS No. 41263-94-9) (provided for in subheading 2940.00.60)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107423. ASCORBYL GLUCOSIDE.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.22.30	(2R)-2-[(1S)-1,2-Dihydroxyethyl]-3-hydroxy-4-[(2R,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-2H-furan-5-one (Ascorbyl glucoside) (CAS No. 129499-78-1) (provided for in subheading 2940.00.60)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107424. DIMETHYLAMINE BORANE (DMAB).

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.22.31	N-Methylmethanamine-borane (1:1) (CAS No. 74-94-2) (provided for in subheading 2942.00.50)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107425. ELDERBERRY EXTRACT CONCENTRATE.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.22.32	Elderberry extract concentrate (CAS No. 84603-58-7) (provided for in subheading 3203.00.80)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107426. DISPERSE YELLOW 241.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.22.33	Disperse Yellow 241 (5-[(3,4-Dichlorophenyl)diazenyl]-2-hydroxy-1,4-dimethyl-6-oxopyridine-3-carbonitrile) (CAS No. 83249-52-9) (provided for in subheading 3204.11.35)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107427. DISPERSE ORANGE.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.22.34	Disperse Orange (Acetic acid, cyano-[3-[(6-methoxy-2-benzothiazoyl)amino]-1H-isoindol-1-ylidene]-, pentyl ester) (CAS No. 173285-74-0) (provided for in subheading 3204.11.35)	Free	No change	No change	On or before 12/31/2023	”.
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**7 SEC. 107428. MIXTURES OF DISPERSE YELLOW FD11843 AND
8 ACETIC ACID.**

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.22.35	Mixtures of Disperse Yellow FD11843 (acetic acid, 2-[3-(2-benzothiazolylamino)-1H-isoindol-1-ylidene]-2-cyano-, butyl ester (CAS No. 173285-73-9)) and acetic acid, [3-(2-benzothiazolylamino)-1H-isoindol-1-ylidene]cyano-, 2-butoxyethyl ester (CAS No. 173285-94-4) (provided for in subheading 3204.11.35) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107429. DISPERSE BLUE 54.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.22.36	Disperse Blue 54 (1-Anilino-4,8-dihydroxy-5-nitroanthracene-9,10-dione) (CAS No. 37203-97-7) (provided for in subheading 3204.11.35)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107430. MIXTURES OF SEVERAL DISPERSE DYES.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.22.37	<p>Mixtures of 9,10-anthracenedione, 1,5(or 1,8)-dihydroxy-4-nitro-8(or 5)-(phenylamino)- (Disperse Blue 54 and 77) (CAS No. 37203-97-7); 1,5(or 1,8)-diamino-2-bromo-4,8(or 4,5)-dihydroxy-9,10-anthracenedione (Disperse Blue 81 (mixture of isomers)) (CAS No. 68134-65-6); reaction products of 3-pyridinecarbonitrile, 5-[2-(2-cyano-4-nitrophenyl)diazenyl]-2-[[2-(2-hydroxyethoxy)ethyl]amino]-4-methyl-6-(phenylamino)- (Disperse Red 1042A) (CAS No. 149988-44-3) and 3-pyridinecarbonitrile, 5-[2-(2-cyano-4-nitrophenyl)diazenyl]-6-[[2-(2-hydroxyethoxy)ethyl]amino]-4-methyl-2-(phenylamino)- (Disperse Red T-1042) (CAS No. 137428-29-6); 4-[(5-cyano-6-hydroxy-1,4-dimethyl-2-oxopyridin-3-yl)diazenyl]-N-(2-ethylhexyl)benzamide (Disperse Yellow 198) (CAS No. 30449-81-1); 4,11-diamino-2-(3-methoxypropyl)naphtho[2,3-f]isoindole-1,3,5,10-tetrone (Disperse Blue 60 (M)) (CAS No. 12217-80-0); and 4,11-diamino-2-[3-(2-methoxyethoxy)propyl]naphtho[2,3-f]isoindole-1,3,5,10-tetrone (Disperse Blue 60 (ME)) (CAS No. 65059-45-2) (provided for in subheading 3204.11.35)</p>	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107431. MIXTURES OF 4 DISPERSER BLUE DYES.

- 2 Subchapter II of chapter 99 is amended by inserting
- 3 in numerical sequence the following new heading:

“	9902.22.38	Disperse dye mixtures of Disperse Blue 77 (1-anilino-4,5-dihydroxy-8-nitroanthracene-9,10-dione) (CAS No. 20241-76-3); Disperse Blue 60 (M) (4,11-diamino-2-(3-methoxypropyl)naphtho[2,3-f]isoindole-1,3,5,10-tetrone) (CAS No. 12217-80-0); Disperse Blue 60 (ME) (4,11-diamino-2-[3-(2-methoxyethoxy)propyl]-1H-naphth[2,3-f]isoindole-1,3,5,10(2H)-tetrone) (CAS No. 65059-45-2) and Disperse Blue 77/54 (1,8- and 1,5-Isomers) (1-anilino-4,8-dihydroxy-5-nitroanthracene-9,10-dione) (CAS No. 37203-97-7) (provided for in subheading 3204.11.35)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107432. MIXTURES OF 4 DYES.

- 2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.22.39	Disperse dye mixtures of Solvent Yellow 163 (1,8-bis(phenylsulfanyl) anthracene-9,10-dione) (CAS No. 13676-91-0); Disperse Yellow FD11843 (acetic acid, 2-[3-(2-benzothiazolylamino)-1H-isoindol-1-ylidene]-2-cyano-, butyl ester) (CAS No. 173285-73-9); acetic acid, [3-(2-benzothiazolylamino)-1H-isoindol-1-ylidene]cyano-, 2-butoxyethyl ester (CAS No. 173285-94-4); Disperse Orange FC 84508 (acetic acid, 2-cyano-2-[3-[(6-methoxy-2-benzothiazolyl)amino]-1H-isoindol-1-ylidene]-, pentyl ester) (CAS No. 173285-74-0) and Disperse Yellow 163 (3-[N-(2-cyanoethyl)-4-(2,6-dichloro-4-nitrophenyl)diazenyl]anilino]propanenitrile) (CAS No. 67923-43-7) (provided for in subheading 3204.11.35)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107433. DISPERSERED 86.

- 5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.22.40	Disperse Red 86 (N-(4-Amino-3-methoxy-9,10-dioxoanthracen-1-yl)-4-methylbenzenesulfonamide) (CAS No. 81-68-5) (provided for in subheading 3204.11.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107434. DISPERSE VIOLET 1.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.22.41	Disperse Violet 1 (1,4-Diaminoanthracene-9,10-dione) (CAS No. 128-95-0) (provided for in subheading 3204.11.50)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107435. DISPERSE BLUE 60.

5 Subchapter II of chapter 99 is amended by inserting

6 in numerical sequence the following new heading:

“	9902.22.42	Disperse Blue 60 (4,11-Diamino-2-(3-methoxy-propyl)-naphtho[2,3-f]isoindole-1,3,5,10-tetraone) (CAS No. 12217-80-0) (provided for in subheading 3204.11.50)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107436. MIXTURES OF DISPERSE ORANGE 29, DIS-
8 PERSE RED 167:1, AND DISPERSE BLUE 56.

9 Subchapter II of chapter 99 is amended by inserting

10 in numerical sequence the following new heading:

“	9902.22.43	Disperse dye mixtures of Disperse Orange 29 (4-[[2-methoxy-4-[(4-nitrophenyl) diazenyl]phenyl] diazenyl]phenol) (CAS No. 19800-42-1); Disperse Red 167:1 (2-[3-acetamido-N-(2-acetyloxyethyl)-4-[(2-chloro-4-nitrophenyl) diazenyl] anilino]ethyl acetate) (CAS No. 1533-78-4); Disperse Blue 56 (1,8-diamino-2-bromo-4,5-dihydroxyanthracene-9,10-dione) (CAS No. 68134-65-6) and acetic acid, 2-[3-(2-benzothiazolylamino)-1H-isoindol-1-ylidene]-2-cyano-, 2-butoxyethyl ester (CAS No. 173285-94-4) (provided for in subheading 3204.11.50) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107437. DISPERSE YELLOW 54.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.22.44	Disperse Yellow 54 (3-Hydroxy-2-(3-hydroxyquinolin-2-yl)inden-1-one) (CAS No. 17772-51-9) (provided for in subheading 3204.11.50)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107438. ACID VIOLET 48.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.22.45	Acid Violet 48 (Disodium 3-[[[4-amino-9,10-dioxo-3-[2-sulfonato-4-(2,4,4-trimethylpentan-2-yl)phenoxy]anthracen-1-yl]amino]-2,4,6-trimethylbenzenesulfonate) (CAS No. 12220-51-8) (provided for in subheading 3204.12.17)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107439. ACID BLUE 280.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.22.46	Acid Blue 280 (Sodium 2-[[4-(cyclohexylamino)-9,10-dioxoanthracen-1-yl]amino]-5-ethoxybenzenesulfonate) (CAS No. 68214-62-0) (provided for in subheading 3204.12.20)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107440. ACID BROWN 282.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.22.47	Acid Brown 282 (Disodium;chromium(3+);5-methyl-4-[(5-nitro-2-oxidophenyl)diazanyl]-2-phenylpyrazol-3-olate;[7-nitro-3-oxido-4-[(2-oxido-1,4-dihydronaphthalen-1-yl)diazanyl]naphthalen-1-yl]sulfate) (CAS No. 70236-60-1) (provided for in subheading 3204.12.20)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107441. ACID RED 131.

5 Subchapter II of chapter 99 is amended by inserting

6 in numerical sequence the following new heading:

“	9902.22.48	Acid Red 131 (CAS No. 12234-99-0) (provided for in subheading 3204.12.20)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107442. ACID RED 249.

8 Subchapter II of chapter 99 is amended by inserting

9 in numerical sequence the following new heading:

“	9902.22.49	Acid Red 249 (Disodium 3-[(5-chloro-2-phenoxyphenyl)diazanyl]-4-hydroxy-5-[(4-methylphenyl)sulfonfylamino]naphthalene-2,7-disulfonate) (CAS No. 6416-66-6) (provided for in subheading 3204.12.20)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107443. ACID YELLOW 236.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.22.50	Acid Yellow 236 (CAS No. 77907–21–2) (provided for in subheading 3204.12.45)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107444. ACID RED 407.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.22.51	Acid Red 407 (CAS No. 146103–68–6) (provided for in subheading 3204.12.45) ...	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107445. ACID YELLOW 220.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.22.52	Acid Yellow 220 (tetrasodium;2-[[3-[[[(Z)-1-(2-chloroanilino)-3-oxido-1-oxobut-2-en-2-yl]diazanyl]-4-oxidophenyl]sulfonylamino]benzoate; cobalt(2+)) (CAS No. 70851–34–2) (provided for in subheading 3204.12.45)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107446. ACID YELLOW 232.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.22.53	Acid Yellow 232 (Chromium, 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)diazanyl]benzoate 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)diazanyl]-5-sulfobenzoate lithium sodium complexes) (CAS No. 85828–89–3) (provided for in subheading 3204.12.45)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107447. ACID YELLOW 235.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.22.54	Acid Yellow 235 (CAS No. 90585-54-9) (provided for in subheading 3204.12.45)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107448. ACID YELLOW 151.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.22.55	Acid Yellow 151 (Sodium; 2-[[[(Z)-1-anilino-3-oxido-1-oxobut-2-en-2-yl]diazanyl]-4-sulfamoylphenolate; cobalt(3+)) (CAS No. 72496-88-9) (provided for in subheading 3204.12.45)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107449. ACID VIOLET 43.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.22.56	Acid Violet 43 (Sodium 2-[(4-hydroxy-9,10-dioxoanthracen-1-yl)amino]-5-methylbenzenesulfonate) (CAS No. 4430-18-6) (provided for in subheading 3204.12.50)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107450. ACID BLACK 52.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.22.58	Acid Black 52 (Tri-sodium;chromium;3-hydroxy-4-[(2-hydroxynaphthalen-1-yl)diazanyl]-7-nitronaphthalene-1-sulfonate) (CAS No. 5610-64-0) (provided for in subheading 3204.12.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107451. ACID BLACK 2.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.22.59	Acid Black 2 (Disodium 4-amino-5-hydroxy-3-[(E)-(4-nitrophenyl)diazenyl]-6-[(E)-phenyldiazenyl]-2,7-naphthalenedisulfonate) (CAS No. 8005-03-6) (provided for in subheading 3204.12.50)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107452. ACID GREEN 25.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.22.60	Acid Green 25 (Disodium;5-methyl-2-[[4-(4-methyl-2-sulfonatoanilino)-9,10-dioxanthracen-1-yl]amino]benzenesulfonate) (CAS No. 4403-90-1) (provided for in subheading 3204.12.50)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107453. BASIC BROWN 23.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.22.61	Basic Brown 23 (CAS No. 446876-48-8) (provided for in subheading 3204.13.60) ...	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107454. BASIC VIOLET 11:1 RHODAMINE DYE.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.22.62	Basic Violet 11:1 (Bis{6-(diethylamino)-N,N-diethyl-9-[2-(methoxycarbonyl)phenyl]-3H-xanthen-3-iminium} tetrachlorozincate(2-)) (CAS No. 73398-89-7) (CIN 45174) (provided for in subheading 3204.13.60)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107455. BASIC YELLOW 37.

- 2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.22.63	Basic Yellow 37 (4-[4-(diethylamino)benzenecarboximidoyl]-N,N-diethylaniline; hydrochloride) (CAS No. 6358-36-7) (provided for in subheading 3204.13.80)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107456. BASIC VIOLET 3.

- 5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.22.64	Basic Violet 3 ([4-[bis[4-(dimethylamino)phenyl]methylidene]cyclohexa-2,5-dien-1-ylidene]-dimethylazanium;chloride) (CAS No. 548-62-9) (provided for in subheading 3204.13.80)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107457. DIRECT ORANGE 118.

- 8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.22.65	Direct Orange 118 (Tetrasodium 7,7'-(carbonyldiimino)bis{4-hydroxy-3-[(E)-(2-methyl-4-sulfonatophenyl)diazenyl]-2-naphthalenesulfonate}) (CAS No. 28706-33-4) (provided for in subheading 3204.14.20)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107458. DIRECT BLUE 86.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.22.66	Direct Blue 86 (Copper; disodium; 2,11,20,29, 38,40-hexaza-37,39-diazanidanonacyclo [28.6.1.13,10.112,19.121, 28.04,9.013,18.022, 27.031,36] tetracontal(36),2,4(9),5,7,10(40), 11,13,15,17,19,21(38), 22(27),23,25,28,30,32,34-nonadecaene-6,24-disulfonate) (CAS No. 1330-38-7) (provided for in subheading 3204.14.25)	Free	No change	No change	On or before 12/31/2023 ”.
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4 SEC. 107459. DIRECT BLUE 199.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.22.67	Direct Blue 199 (Copper, [29H,31H-phthalocyaninato(2-)-κN29,κN30,κN31,κN32]-, aminosulfonyl sulfo derivatives, sodium salts) (CAS No. 90295-11-7) (provided for in subheading 3204.14.30)	Free	No change	No change	On or before 12/31/2023 ”.
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7 SEC. 107460. DIRECT BLACK 168.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.22.68	Direct Black 168 (Trisodium;2-[4-[(2-amino-4-oxidophenyl)diazenyl]anilino]-5-[(1-amino-8-oxido-7-phenyldiazenyl-3,6-disulfonaphthalen-2-yl)diazenyl]benzenesulfonate) (CAS No. 85631-88-5) (provided for in subheading 3204.14.30)	Free	No change	No change	On or before 12/31/2023 ”.
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1 SEC. 107461. DIRECT RED 227.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.22.69	Direct Red 227 (Hexasodium;4-hydroxy-5- [[4-[4-(E)-2-[4-[[4-(8-hy- droxy-7-phenyldiazenyl-3,6- disulfonatophthalen-1- yl)amino]-6-morpholin-4-yl- 1,3,5-triazin-2-yl]amino]-2- sulfonatophenyl]ethenyl]-3- sulfonatoanilino]-6- morpholin-4-yl-1,3,5-triazin- 2-yl]amino]-3- phenyldiazenyl]naphthalene- 2,7-disulfonate) (CAS No. 17791-81-0) (provided for in subheading 3204.14.30)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107462. DIRECT YELLOW 107.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.22.70	Direct Yellow 107 (3-[[3- Methoxy-4-[[2-methoxy-4-(3- sulfophenyl)diazenyl] phenyl]carbamoylamino] phenyl]diazenyl] benzenesulfonic acid) (CAS No. 25712-08-7) (provided for in subheading 3204.14.30)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107463. DIRECT GREEN 26.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.22.71	Direct Green 26 (Pentasodium;5-[[4-[4- anilino-6-[[8-hydroxy-7-[[4- [[8-hydroxy-3,6- disulfonatophthalen-1- yl]diazenyl]-2-methoxy-5- methylphenyl]diazenyl]-3,6- disulfonatophthalen-1- yl]amino]-1,3,5-triazin-2- yl]amino]phenyl]diazenyl]-2- hydroxybenzoate) (CAS No. 6388-26-7) (provided for in subheading 3204.14.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107464. DIRECT YELLOW 11.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.22.72	Direct Yellow 11 (Disodium; 6-oxo-5-[(4-sulfonatophenyl)hydrazinylidene] naphthalene-2-sulfonate) (CAS No. 1325-37-7) (provided for in subheading 3204.14.50)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107465. DIRECT ORANGE 15.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.22.73	Direct Orange 15 (Sodium; (8Z,20Z)-2,3,14,15-tetrazapentacyclo [20.2.2.24.7.210.13.216,19] dotriaconta-1(24),2,4,6,8,10,12,14,16,18,20,22,25,27,29,31-hexadecaene-6,11,18,23-tetrasulfonic acid) (CAS No. 1325-35-5) (provided for in subheading 3204.14.50)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107466. DIRECT BROWN 44.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.22.74	Direct Brown 44 (Disodium; 4-[[2,4-diamino-5-[[3-[[2,4-diamino-5-[(4-sulfonatophenyl) diazenyl]phenyl]diazenyl]phenyl]diazenyl]phenyl] diazenyl]benzenesulfonate) (CAS No. 6252-62-6) (provided for in subheading 3204.14.50)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107467. DIRECT RED 81.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.22.75	Direct Red 81 (Disodium;7-benzamido-4-hydroxy-3-[[4-[(4-sulfonatophenyl)diazanyl]phenyl]diazanyl]naphthalene-2-sulfonate) (CAS No. 2610-11-9) (provided for in subheading 3204.14.50)	2%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107468. DIRECT YELLOW 142.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.22.76	Direct Yellow 142 (CAS No. 71902-08-4) (provided for in subheading 3204.14.50)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107469. DIRECT RED 80.

5 Subchapter II of chapter 99 is amended by inserting

6 in numerical sequence the following new heading:

“	9902.22.77	Direct Red 80 (hexasodium;4-hydroxy-7-[[5-hydroxy-7-sulfonato-6-[[2-sulfonato-4-[(4-sulfonatophenyl)diazanyl]phenyl]diazanyl]naphthalen-2-yl]carbamoylamino]-3-[[2-sulfonato-4-[(4-sulfonatophenyl)diazanyl]phenyl]diazanyl]naphthalene-2-sulfonate) (CAS No. 2610-10-8) (provided for in subheading 3204.14.50)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107470. DIRECT RED 16.

8 Subchapter II of chapter 99 is amended by inserting

9 in numerical sequence the following new heading:

“	9902.22.78	Direct Red 16, disodium salt (disodium;7-amino-4-hydroxy-3-[(5-hydroxy-6-phenyldiazanyl-7-sulfonatophenyl)diazanyl]naphthalene-2-sulfonate) (CAS No. 6227-02-7) (provided for in subheading 3204.14.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107471. DIRECT RED 254.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.22.79	Direct Red 254 (Disodium;7-amino-4-hydroxy-3-[[4-(4-sulfonatophenyl)diazenyl]phenyl]diazenyl)naphthalene-2-sulfonate) (CAS No. 6300-50-1) (provided for in subheading 3204.14.50)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107472. COLORANT.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.22.80	Copper, [μ-[[3,3'-(1-oxido-1,2-diazenediyl)bis[[2-(hydroxy-κO)-4,1-phenylene]-2,1-diazenediyl-κN1]]bis[4-(hydroxy-κO)-2,7-naphthalenedisulfonato]](8-)]di-, sodium (1:4) (CAS No. 75173-68-1) (provided for in subheading 3204.14.50)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107473. DIRECT YELLOW 34.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.22.81	Direct Yellow 34 (Tetrasodium;3-[[4-[[4-(4,8-disulfonatophthalen-2-yl)diazenyl]-2-methoxy-5-methylphenyl]carbamoylamino]-5-methoxy-2-methylphenyl]diazenyl)naphthalene-1,5-disulfonate) (CAS No. 6420-33-3) (provided for in subheading 3204.14.50)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107474. VAT ORANGE 2 DYE POWDER.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.22.82	Vat Orange 2 (1,2-Dibromopyranthrene-8,16-dione) (CAS No. 1324–35–2) (provided for in subheading 3204.15.20)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107475. VAT VIOLET 13 DYE.

- 2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.22.83	Vat Violet 13 (5,20-Diazaheptacyclo [16.12.0.03,16.04,13.06,11.019,28.021,26] triacontal(18),3(16),4(13),6,8,10,14,19(28),21,23, 25,29-dodecaene-2,12,17,27-tetrone) (CAS No. 4424–87–7) (CIN 68700) (provided for in subheading 3204.15.20) ...	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107476. VAT BROWN 3 DYE.

- 5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.22.84	Vat Brown 3 (N-(28-Benzamido-6,13,19,26-tetraoxo-16-azaheptacyclo [15.12.0.02,15.05,14.07,12.018,27.020,25] nonacosal(29),2(15),3,5(14),7(12),8,10,17,20,22,24,27-dodecaen-8-yl)benzamide) (CAS No. 131–92–0) (provided for in subheading 3204.15.20)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107477. VAT RED 10 DYE POWDER.

- 8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.22.85	Vat Red 10 (2-(1-Amino-9,10-dioxoanthracen-2-yl)naphtho[2,3-f][1,3]benzoxazole-5,10-dione) (CAS No. 2379–79–5) (provided for in subheading 3204.15.30)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107478. VAT BROWN 57 DYE.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.22.86	Vat Brown 57 (CAS No. 12227-28-0) (provided for in subheading 3204.15.30)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107479. VAT RED 31 DYE POWDER.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.22.87	Vat Red 31 dye powder (1-Amino-2-[5-(1-amino-9,10-dioxanthracen-2-yl)-1,3,4-oxadiazol-2-yl]anthracene-9,10-dione) (CAS No. 52591-25-0) (CIN 60030) (provided for in subheading 3204.15.40)	Free	No change	No change	On or before 12/31/2023	”.
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**7 SEC. 107480. DYE MIXTURES OF VAT BROWN 3 AND VAT
8 BLACK 27.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.22.88	Disperse dye mixtures of Vat Brown 3 (N-(28-benzamido-6,13,19,26-tetraoxo-16-azaheptaeyelo [15.12.0 ^o (2,15).0 ^o (5,14).0 ^o (7,12).0 ^o (18,27).0 ^o (20,25)] nonacosa-1(29),2(15),3,5(14),7(12),8,10,17,20,22,24,27-dodecaen-8-yl)benzamide) (CAS No. 131-92-0) and Vat Black 27 (N-(28-benzamido-6,13,19,26-tetraoxo-16-azaheptaeyelo [15.12.0.0 ^o (2,15).0 ^o (5,14).0 ^o (7,12).0 ^o (18,27).0 ^o (20,25)] nonacosa-1(29),2,4,7,9,11,14,17,20,22,24,27-dodecaen-4-yl) benzamide) (CAS No. 2379-81-9) (provided for in subheading 3204.15.40)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107481. VAT RED 13.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.22.89	Vat Red 13 (15-Ethyl-12-(15-ethyl-8-oxo-14,15-diazatetra-cyclo [7.6.1.02,7.013,16] hexadeca-1(16),2,4,6,9,11,13-heptaen-12-yl)-14,15-diazatetra-cyclo [7.6.1.02,7.013,16] hexadeca-1(16),2,4,6,9,11,13-heptaen-8-one) (CAS No. 4203-77-4) (provided for in subheading 3204.15.80)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107482. VAT YELLOW 2 DYE POWDER.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.22.90	Vat Yellow 2 (6,16-Diphenyl-5,15-dithia-7,17-diazapenta-cyclo [11.7.0.03,11.04,8.014,18] icosa-1(13),3(11),4(8),6,9,14(18),16,19-octaene-2,12-dione) (CAS No. 129-09-9) (provided for in subheading 3204.15.80)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107483. VAT YELLOW 33 DYE.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.22.91	Vat Yellow 33 (N-(9,10-Dioxoanthracen-1-yl)-4-[4-[[4-[4-(9,10-dioxoanthracen-1-yl)carbonyl]phenyl]phenyl]diazanyl]phenyl] benzamide) (CAS No. 12227-50-8) (provided for in subheading 3204.15.80)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107484. VAT GREEN 1 DYE.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.22.92	Vat Green 1 (Anthra[9,1,2-ede]benzo[rs]t]pentaphene-5,10-dione, 16,17-dimethoxy-) (CAS No. 128-58-5) (CIN 59825) (provided for in subheading 3204.15.80)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107485. VAT GREEN 3.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.22.93	Vat Green 3 (Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15(16H)-trione) (CAS No. 3271-76-9) (CIN 69500) (provided for in subheading 3204.15.80)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107486. VAT BLUE 6 DYE.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.22.94	Vat Blue 6 (15,30-Dichloro-2,17-diazaheptacyclo[16.12.0.03.16.04.13.06,11.019,28.021,26] triacont-1(30),3,6,8,10,13,15,18,21,23,25,28-dodecaene-5,12,20,27-tetrone) (CAS No. 130-20-1) (provided for in subheading 3204.15.80)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107487. VAT BLUE 20 DYE.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.22.95	Vat Blue 20 (Anthra[9,1,2-ede]benzo[rs]t]pentaphene-5,10-dione) (CAS No. 116-71-2) (CIN 59800) (provided for in subheading 3204.15.80)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107488. VAT VIOLET 1.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.22.96	Vat Violet 1 (Benzo[<i>rst</i>]phenanthro [10,1,2- <i>ede</i>] pentaphene-9,18- dione, dichloro-) (CAS No. 1324–55–6) (CIN 60010) (provided for in subheading 3204.15.80)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107489. VAT BROWN 1 DYE.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.22.97	Vat Brown 1 (Naphth[2',3':6,7]indolo[2,3- <i>c</i>]dinaphtho[2,3- <i>a</i> :2',3'- <i>i</i>]carbazole-5,10,15,17,22,24- hexone, 16,23-dihydro-) (CAS No. 2475–33–4) (CIN 70800) (provided for in sub- heading 3204.15.80)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107490. VAT BLACK 16 DYE.

5 Subchapter II of chapter 99 is amended by inserting

6 in numerical sequence the following new heading:

“	9902.22.98	Vat Black 16 (8- Aminononacyclo [18.10.2.22,5.03,16.04,13.06, 11.017,31.022,27.028,32] tetraatriaconta- 1(31),2,4,6(11), 7,9,13,15,17,19,22,24,26, 28(32),29,33-hexadecaene- 12,21-dione) (CAS No. 26763–69–9) (provided for in subheading 3204.15.80)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107491. VAT BLACK 25.

8 Subchapter II of chapter 99 is amended by inserting

9 in numerical sequence the following new heading:

“	9902.22.99	Vat Black 25 (Antra[2,1,9- <i>mna</i>]naphth[2,3- <i>h</i>]acridine- 5,10,15(16H)-trione, 3- [(9,10-dihydro-9,10-dioxo-1- anthracenyl)amino]-) (CAS No. 4395–53–3) (CIN 69525) (provided for in sub- heading 3204.15.80)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107492. VAT BLACK 27.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.23.01	Vat Black 27 (Benzamide, N,N'-(10,15,16,17-tetrahydro-5,10,15,17-tetraoxo-5H-dinaphtho[2,3-a:2',3'-i]carbazole-6,9-diyl)bis-) (CAS No. 2379-81-9) (CIN 69005) (provided for in subheading 3204.15.80)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107493. REACTIVE YELLOW 145.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.23.02	Reactive Yellow 145 (Tetrasodium;7-[2-(carbamoylamino)-4-[[4-chloro-6-[3-(2-sulfonatoxyethylsulfonyl)anilino]-1,3,5-triazin-2-yl]amino]phenyl]diazanyl] naphthalene-1,3,6-trisulfonate) (CAS No. 80157-00-2) (provided for in subheading 3204.16.30)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107494. REACTIVE RED 195.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.23.03	Reactive Red 195 (Pentassium 5-[[4-chloro-6-[3-(2-sulfonatoxyethylsulfonyl)anilino]-1,3,5-triazin-2-yl]amino]-3-[(1,5-disulfonatophthalen-2-yl)diazanyl]-4-hydroxynaphthalene-2,7-disulfonate) (CAS No. 77365-64-1) (provided for in subheading 3204.16.30)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107495. REACTIVE BLUE 49.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.23.04	Reactive Blue 49 (Trisodium 1-amino-4-[3-[[4-chloro-6-(2-sulfonatoanilino)-1,3,5-triazin-2-yl]amino]-2,4,6-trimethyl-5-sulfonatoanilino]-9,10-dioxoanthracene-2-sulfonate) (CAS No. 72214-18-7) (provided for in subheading 3204.16.30)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107496. REACTIVE BLUE 72.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.23.05	Reactive Blue 72 (Cuprate(2-), [C-[[[3-[[4-amino-6-chloro-1,3,5-triazin-2-yl]amino]-4-sulfohenyl]amino]sulfonyl]-C-(aminosulfonyl)-29H,31H-phthalocyanine-C-sulfonato(4-)-κN29,κN30,κN31,κN32]-, sodium (1:2)) (CAS No. 68967-01-1) (provided for in subheading 3204.16.30)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107497. REACTIVE YELLOW 95 POWDER.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.23.06	Reactive Yellow 95 (Trisodium 4-[[4-chloro-6-(3-sulfonatoanilino)-1,3,5-triazin-2-yl]amino]-2-[[1-ethyl-6-hydroxy-4-methyl-2-oxo-5-(sulfonatomethyl)pyridin-3-yl]diazanyl]benzenesulfonate) (CAS No. 89923-43-3) (provided for in subheading 3204.16.30)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107498. REACTIVE RED 245.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.23.07	Reactive Red 245 (Tetrasodium 5-[4-chloro-6-(N-ethylamino)-1,3,5-triazin-2-ylamino]-4-hydroxy-3-(1,5-disulfonatophthalen-2-ylazo)naphthalene-2,7-disulfonate) (CAS No. 130201-57-9) (provided for in subheading 3204.16.30) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107499. REACTIVE BROWN 11.**

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.23.08	Reactive Brown 11 (Tetrasodium; 2-[4-[[4-[(4-amino-6-chloro-1,3,5-triazin-2-yl)amino]-5-sulfonatophthalen-1-yl]diazanyl]-7-sulfonatophthalen-1-yl]diazanyl]benzene-1,4-disulfonate) (CAS No. 70161-16-9) (provided for in subheading 3204.16.30)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 107500. MIXTURES OF REACTIVE BLACK 5 (NA) (FKP),**
5 **REACTIVE SCARLET F01-0439, AND REACTIVE**
6 **ORANGE 131.**

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.23.09	Disperse dye mixture of Reactive Black 5 (Na) (FKP) (tetrasodium; 4-amino-5-hydroxy-3,6-bis[4-(2-sulfonatoxyethylsulfonyl)phenyl]diazanyl)naphthalene-2,7-disulfonate (CAS No. 17095-24-8); Reactive Scarlet F01-0439 (2-naphthalenesulfonic acid, 7-amino-4-hydroxy-, coupled with diazotized 2-[(4-aminophenyl) sulfonyl] ethyl hydrogen sulfate and diazotized 2-amino-5-[[2-(sulfoxy)ethyl]sulfonyl] benzenesulfonic acid, potassium sodium salts) (CAS No. 214362-06-8); reaction mass of 7-amino-3,8-bis-[4-(2-sulfoxyethylsulfonyl)-2-sulfoxyphenylazo]-4-hydroxynaphthalene-2-sulfonic acid, Na/K salt and 7-amino-3-[4-(2-sulfoxyethylsulfonyl)phenylazo]-4-hydroxy-8-[4-(2-sulfoxyethylsulfonyl)-2-sulfoxyphenylazo] naphthalene-2-sulfonic acid, Na/K salt and 7-amino-3,8-bis-[4-(2-sulfoxyethylsulfonyl)phenylazo]-4-hydroxynaphthalene-2-sulfonic acid, Na/K salt and 7-amino-8-[4-(2-sulfoxyethylsulfonyl)-phenylazo]-4-hydroxy-3-[4-(2-sulfoxyethylsulfonyl)-2-sulfoxyphenylazo] naphthalene-2-sulfonic acid, Na/K salt, and Reactive Orange 131 (benzenesulfonic acid, 2,4-diamino-3-[2-[4-[[2-(sulfoxy)ethyl]sulfonyl]phenyl]diazanyl]-5-[2-[2-sulfo-4-[[2-(sulfoxy)ethyl]sulfonyl]phenyl]diazanyl]-, potassium sodium salt (1:?:?)) (CAS No. 187026-95-5) and dipotassium disodium 2,4-diamino-5-(2-(2-sulfo-4-[2-(sulfoxy)ethanesulfonyl]phenyl)diazen-1-yl)-3-(2-[4-[2-(sulfoxy)ethanesulfonyl]phenyl)diazen-1-yl] benzene-1-sulfonate (provided for in subheading 3204.16.30)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107501. REACTIVE YELLOW F98-0159.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.23.10	Reactive Yellow F98-0159 (benzenesulfonic acid, 2-[2-[2-[(aminocarbonyl)amino]-4-[(2,6-difluoro-4-pyrimidinyl)amino]phenyl]diazanyl]-5-[[2-(sulfoxy)ethyl]sulfonyl]-, sodium salt (1:2)) (CAS No. 176449-21-1) (provided for in subheading 3204.16.30) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107502. DYE MIXTURES OF REACTIVE ORANGE 131 AND
2 REACTIVE SCARLET F07-0522.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.23.11	Disperse dye mixtures of Reactive Orange 131 (CAS No. 187026-95-5) (dipotassium disodium 2,4-diamino-5-(2-[2-sulfo-4-[2-(sulfoxy)ethanesulfonyl]phenyl]diazen-1-yl)-3-(2-[4-[2-(sulfoxy)ethanesulfonyl]phenyl]diazen-1-yl)benzene-1-sulfonate) and Reactive Scarlet F07-0522 (CAS No. 891857-92-4) (pentasodium 7-amino-4-hydroxy-3,8-bis-[2-sulfo-4-(2-sulfoxy-ethanesulfonyl)-phenylazo]-naphthalene-2-sulfonate) (provided for in subheading 3204.16.30)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 107503. REACTIVE BLACK 31.

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.23.12	Reactive Black 31 (cuprate(4-), [4,5-dihydro-4-[2-[8-(hydroxy- κ .O)-7-[2-[2-(hydroxy- κ .O)-5-methoxy-4-[[2-(sulfoxy)ethyl]sulfonyl]phenyl]diazanyl- κ .N1]-6-sulfo-2-naphthalenyl]diazanyl]-5-oxo-1-(4-sulfophenyl)-1H-pyrazole-3-carboxylato(6-)-], sodium) (CAS No. 85585-91-7) (provided for in subheading 3204.16.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107504. REACTIVE RED 120.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.23.13	Reactive Red 120 (hexasodium 5-[[4-chloro-6-[4-[[4-chloro-6-[[8-hydroxy-3,6-disulfonato-7-(2-sulfonatophenyl)diazenyl]naphthalen-1-yl]amino]-1,3,5-triazin-2-yl]amino]anilino]-1,3,5-triazin-2-yl]amino]-4-hydroxy-3-(2-sulfonatophenyl)diazenyl]naphthalene-2,7-disulfonate) (CAS No. 68214-04-0) (provided for in subheading 3204.16.50)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107505. REACTIVE BLUE 5.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.23.14	Reactive Blue 5 (1-Amino-4-{{3-({4-chloro-6-(3-sulfophenyl)amino)-1,3,5-triazin-2-yl}amino)-4-sulfophenyl}amino)-9,10-dioxo-9,10-dihydro-2-anthracenesulfonic acid) (CAS No. 16823-51-1) (provided for in subheading 3204.16.50)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107506. REACTIVE ORANGE 13.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.23.15	Reactive Orange 13 powder (trisodium 2-[[6-[(4-amino-6-chloro-1,3,5-triazin-2-yl)-methylamino]-1-hydroxy-3-sulfonatophthalen-2-yl]diazenyl]naphthalene-1,5-disulfonate) (CAS No. 70616-89-6) (provided for in subheading 3204.16.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107507. REACTIVE ORANGE 12.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.23.16	Reactive Orange 12 powder (trisodium 7-[[4-[(4-amino-6-chloro-1,3,5-triazin-2-yl)amino]-2-(carbamoylamino)phenyl]diazanyl]naphthalene-1,3,6-trisulfonate) (CAS No. 70161-14-7) (provided for in subheading 3204.16.50)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107508. PIGMENT RED 177.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.23.17	Pigment Red 177 (1-amino-4-(4-amino-9,10-dioxoanthracen-1-yl)anthracene-9,10-dione) (CAS No. 4051-63-2) (provided for in subheading 3204.17.04)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107509. PIGMENT YELLOW 110.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.23.18	Pigment Yellow 110 (4,5,6,7-tetrachloro-3-[4-[(4,5,6,7-tetrachloro-3-oxoisindol-1-ylidene)amino]phenyl]iminoisindol-1-one) (CAS No. 5590-18-1) (provided for in subheading 3204.17.04)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107510. PIGMENT YELLOW 147.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.23.19	Pigment Yellow 147 (1-[[4-[(9,10-dioxoanthracen-1-yl)amino]-6-phenyl-1,3,5-triazin-2-yl]amino]anthracene-9,10-dione) (CAS No. 4118-16-5) (provided for in subheading 3204.17.60)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107511. PIGMENT ORANGE 64.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.23.20	Pigment Orange 64 (5-[(6-methyl-2-oxo-1,3-dihydrobenzimidazol-5-yl)diazenyl]-1,3-diazinane-2,4,6-trione) (CAS No. 72102-84-2) (provided for in subheading 3204.17.60)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107512. PIGMENT BLUE 29.

5 Subchapter II of chapter 99 is amended by inserting

6 in numerical sequence the following new heading:

“	9902.23.21	Pigment Blue 29 (aluminum sodium orthosilicate trisulfane-1,3-diide (6:8:6:1)) (CAS No. 57455-37-5) (provided for in subheading 3204.17.60)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107513. PIGMENT VIOLET 15.

8 Subchapter II of chapter 99 is amended by inserting

9 in numerical sequence the following new heading:

“	9902.23.22	Pigment Violet 15 (hexaaluminum;hexasodium; tetrathietane;hexasilicate) (CAS No. 12769-96-9) (provided for in subheading 3204.17.60)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107514. PIGMENT BLUE 14.

11 Subchapter II of chapter 99 is amended by inserting

12 in numerical sequence the following new heading:

“	9902.23.23	Pigment Blue 14 (ethanaminium, N-(4-(bis(4-(diethylamino)phenyl)methylene)-2,5-cyclohexadien-1-ylidene)-N-ethyl-, molybdatetungstatephosphate) (CAS No. 1325-88-8) (provided for in subheading 3204.17.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107515. SOLVENT BLUE 97.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.23.24	Solvent Blue 97 (1,4-Bis(2,6-diethyl-4-methylamino)anthracene-9,10-dione) (CAS Nos. 61969-44-6 and 32724-62-2) (provided for in subheading 3204.19.11)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107516. SOLVENT GREEN 5.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.23.25	Solvent Green 5 (bis(2-methylpropyl) perylene-3,9-dicarboxylate) (CAS No. 2744-50-5) (provided for in subheading 3204.19.11)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107517. SOLVENT YELLOW 98.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.23.26	Solvent Yellow 98 (14-octadecyl-8-thia-14-azapentacyclo[10.6.2.0 ^{2,7} .0 ^{9,19} .0 ^{16,20}]icosa-1(19),2,4,6,9,11,16(20),17-octaene-13,15-dione) (CAS No. 12671-74-8) (provided for in subheading 3204.19.11)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107518. SOLVENT GREEN 7.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.23.27	Solvent Green 7 (trisodium 8-hydroxypyrene-1,3,6-trisulfonate) (CAS No. 6358-69-6) (provided for in subheading 3204.19.11)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107519. SOLVENT RED 195.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.23.28	Solvent Red 195 (methyl 4-cyano-5-[[5-cyano-2,6-bis(3-methoxypropylamino)-4-methylpyridin-3-yl]diazonyl]-3-methylthiophene-2-carboxylate) (CAS No. 72968-71-9) (provided for in subheading 3204.19.20)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107520. SOLVENT ORANGE 115.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.23.29	Solvent Orange 115 (7H-Benzimidazo[2,1-a]benzo[3,4]b[2]benzothiopyrano[7,8,1-def]isoquinolin-7-one) (CAS No. 53304-32-8) (provided for in subheading 3204.19.20)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107521. SPECIALTY DYES.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.23.30	White/bluish powder dye containing benzenesulfonamide, 2,2'-(1,1'-biphenyl)-4,4'-diyl-di-2,1-ethenediylbis[N-(3-hydroxypropyl)-, polymer with formaldehyde, ar-methylbenzenesulfonamide and 1,3,5-triazine-2,4,6-tri-amine (CAS No. 1191239-40-3) (provided for in sub-heading 3204.19.20)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107522. SOLVENT GREEN 3.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.23.31	Solvent Green 3 (1,4-bis(4-methylamino)anthracene-9,10-dione) (CAS No. 128-80-3) (CIN 61565) (provided for in subheading 3204.19.25)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107523. SOLVENT BLUE 36.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.23.33	Solvent Blue 36 (1,4-bis(propan-2-ylamino)anthracene-9,10-dione) (CAS No. 14233-37-5) (provided for in sub-heading 3204.19.25)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107524. MIXTURES OF SOLVENT GREEN 3.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.23.34	Mixtures of Solvent Green 3 (1,4-bis(4-methylamino)anthracene-9,10-dione) (CAS No. 128-80-3) (provided for in sub-heading 3204.19.25)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107525. SOLVENT RED 52.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.23.35	Solvent Red 52 (3-methyl-6-[(4-methylphenyl)amino]-3H-naphtho[1,2,3-de]quinoline-2,7-dione) (CAS No. 81-39-0) (provided for in subheading 3204.19.25)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107526. SOLVENT RED 149.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.23.36	Solvent Red 149 (6-(cyclohexylamino)-3-methyl-3H-naphtho[1,2,3-de]quinoline-2,7-dione) (CAS No. 21295-57-8 or 71902-8-6) (provided for in subheading 3204.19.25)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107527. SOLVENT RED 207.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.23.37	Solvent Red 207 (1,5-bis(cyclohexylamino) anthracene-9,10-dione) (CAS No. 15958-68-6) (provided for in subheading 3204.19.25)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107528. SOLVENT VIOLET 14.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.23.38	Solvent Violet 14 (1,5-bis(4-methylanilino)anthracene-9,10-dione) (CAS No. 8005-40-1) (provided for in subheading 3204.19.25)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107529. SOLVENT YELLOW 179.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.23.39	Solvent Yellow 179 (2-[[4-[2-(4-cyclohexylphenoxy) ethyl-ethylamino]-2-methylphenyl]methylidene]propanedinitrile) (CAS No. 54079-53-7) (provided for in subheading 3204.19.25)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107530. SOLVENT YELLOW 131.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.23.40	Solvent Yellow 131 (2-(3-hydroxypropyl)-6-(3-hydroxypropylamino)benzo[de]isoquinoline-1,3-dione) (CAS No. 52821-24-6) (provided for in subheading 3204.19.25)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107531. HOGEN BLUE XB-20.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.23.41	Synthetic organic coloring matter containing copper(II) phthalocyanine (CAS No. 147-14-8) (provided for in subheading 3204.19.40)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107532. SOLVENT YELLOW 104.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.23.42	Solvent Yellow 104 (CAS No. 143476-34-0) (provided for in subheading 3204.19.40) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107533. COMBINATION OF FLUORESCENT**
 2 **BRIGHTENERS 367 AND 371.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.23.43	Mixture of Fluorescent Brightener 367 (CAS No. 5089–22–5) and Fluorescent Brightener 371 (provided for in subheading 3204.20.80) ...	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107534. FLUORESCENT BRIGHTENER CBS-X.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.23.44	Disodium 2,2'-[biphenyl-4,4'-diyl]diethene-2,1-diyl]dibzenesulfonate (CAS No. 27344–41–8) of a kind used as a fluorescent brightening agent (provided for in subheading 3204.20.80)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 107535. OPTICAL BRIGHTENER SWN.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.23.45	7-(Diethylamino)-4-methylchromen-2-one (CAS No. 91–44–1) (provided for in subheading 3204.20.80) ...	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 107536. C.I. FLUORESCENT BRIGHTENER 199:1.**

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.23.46	Mixtures of 1-(2-cyanostyryl)-4-(4-cyanostyryl)benzene (CAS No. 13001-38-2); 2,2'-oxydi(ethan-1-ol) (CAS No. 111-46-6); acetic acid ethenyl ester, polymer with ethenol (CAS No. 25213-24-5); methyl 4-[2-[4-(5-methyl-2-benzoxazolyl)phenyl]vinyl]benzoate (CAS No. 18039-18-4); and formaldehyde, polymer with oxirane and phenol, methyl ether (CAS No. 68988-31-8) of a kind used as fluorescent brightening agents (provided for in subheading 3204.20.80)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107537. FLUORESCENT BRIGHTENER 368.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.23.47	Mixtures of 2-[4-[(E)-2-[4-(1,3-benzoxazol-2-yl)phenyl]ethenyl]phenyl]-1,3-benzoxazole (CAS No. 1533-45-5); 5-methyl-2-[4-[(E)-2-[4-(5-methyl-1,3-benzoxazol-2-yl)phenyl]ethenyl]phenyl]-1,3-benzoxazole (CAS No. 2397-00-4) and 2-[4-[(E)-2-[4-(1,3-benzoxazol-2-yl)phenyl]ethenyl]phenyl]-5-methyl-1,3-benzoxazole (CAS No. 5242-49-9) (provided for in subheading 3204.20.80)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107538. 1,4-BIS(2-CYANOSTYRYL)BENZENE.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.23.48	2-[(E)-2-[4-[(E)-2-(2-Cyanophenyl)ethenyl]phenyl]ethenyl]benzotrile (CAS No. 13001-39-3) (provided for in subheading 3204.20.80)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107539. CERTAIN MANUFACTURING INPUTS.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.23.49	1-[3-(Dimethylamino)propyl]-4-methyl-6-oxo-3-pyridin-1-ium-1-ylpyridin-2-olate (CAS No. 104583-33-7) (provided for in subheading 3204.90.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107540. CERIUM SULFIDE PIGMENTS.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.23.50	Pigment preparations based on cerium sulfide or mixtures of cerium sulfide and lanthanum sulfide (CAS Nos. 12014-93-6 and 12031-49-1) (provided for in subheading 3206.49.60)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107541. MATTE PEARLESCENT PIGMENTS.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.23.51	Coloring matter of mica (CAS No. 12001-26-2) and titanium dioxide (CAS No. 13463-67-7), coated with submicron poly(methyl methacrylate) (CAS No. 9011-14-7) spheres to create a matte optical effect (provided for in subheading 3206.49.60)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107542. ANGLE-DEPENDENT INTERFERENCE PIGMENTS.

11
12 Subchapter II of chapter 99 is amended by inserting
13 in numerical sequence the following new heading:

“	9902.23.52	Angle-dependent interference pigments based on a substrate of transparent or translucent inorganic flakes of fluorophlogopite (CAS No. 12003-38-2), titanium dioxide (CAS No. 13463-67-7), and synthetic amorphous silica (CAS No. 112945-52-5) (provided for in subheading 3206.49.60)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107543. INORGANIC LUMILUX.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.23.53	Inorganic products of a kind used as luminophores containing zinc sulfide (ZnS), copper chloride-doped (CAS No. 68611-70-1), dizinc;silicate (CAS No. 68611-47-2), yttrium oxide sulfide (Y2O2S), europium-doped (CAS No. 68784-83-8), erbium sodium ytterbium fluoride (Er0.04NaYb0.96F4) (CAS No. 753489-08-6), diyttrium dioxide sulfide (CAS No. 12340-04-4), oxygen(2-);yttrium(3+) (CAS No. 1314-36-9), (CAS No. 1314-37-9) and erbium(III) oxide (CAS No. 12061-16-4) (provided for in subheading 3206.50.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107544. RIBBON/MATRIX RESIN.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.23.54	Optical fiber ribbon cable matrix resin, a polymer in the form of a liquid coating, with a density of approximately 1.12 kg/liter, viscosity of 3000 to 5000 cps at 25 °C, with elongation greater than 20 percent and tensile strength of 22 to 32 MPa (provided for in subheading 3208.20.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107545. BONDING AGENT 2005.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.23.55	Solution as defined in note 4 to chapter 32, mixture of poly(tolylene 2,4-diisocyanate) (CAS No. 26006-20-2); 2,4-diisocyanato-1-methylbenzene (CAS No. 584-84-9) and butyl acetate (CAS No. 123-86-4) (provided for in subheading 3208.90.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107546. FLUOROPOLYMER RESIN.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.23.56	Solution of high molecular weight fluoroethylene-alkyl vinyl ether (FEVE) alternative copolymer, containing 38 to 42 percent by weight of moderate OH number resin in a blend of cyclohexanone and aromatic hydrocarbon solvent, having a Tg of 20 °C (CAS No. 207691-69-8) (provided for in subheading 3208.90.00)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107547. ZIRCONIUM 12 PAINT DRIER.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.23.57	Zirconium 12 paint drier, mixtures of naphtha, petroleum, hydrotreated heavy (CAS No. 64742-48-9), zirconium 2-ethylhexanoate (CAS No. 22464-99-9), nonane (CAS No. 111-84-2), zirconium, bis(acetate-o)oxo (CAS No. 5153-24-2) (provided for in heading 3211.00.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107548. ZIRCONIUM 24 PAINT DRIER.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.23.58	Zirconium 24 paint drier, mixtures of naphtha, petroleum, hydrotreated heavy (CAS No. 64742-48-9), zirconium 2-ethylhexanoate (CAS No. 22464-99-9), nonane (CAS No. 111-84-2), zirconium, bis(acetate-o)oxo- (CAS No. 5153-24-2) (provided for in heading 3211.00.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107549. DRIER ACCELERATORS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.23.59	Prepared drier accelerators containing a mixture of cyclopentanone (CAS No. 120-92-3), cyclohexanone (CAS No. 108-94-1), and 2-pyridin-2-ylpyridine (CAS No. 366-18-7) (provided for in heading 3211.00.00)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107550. LEMON OIL.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.23.60	Essential oils of lemon (CAS No. 8008-56-8) (provided for in subheading 3301.13.00)	3.3%	No change	No change	On or before 12/31/2023	”.
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**10 SEC. 107551. SULFONIC ACIDS, C14-17-SEC-ALKANE, SODIUM
 11 SALT.**

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.23.61	Sulfonic acids, C14–17-sec-alkane, sodium salt (CAS No. 97489–15–1) anionic aromatic surface-active agent (provided for in subheading 3402.11.20)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107552. POTASSIUM ETHYL OCTYLPHOSPHONATE.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.23.62	Potassium; ethoxy(octyl)phosphinate (CAS No. 68134–28–1) (provided for in subheading 3402.11.50)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107553. INTERMEDIATE IN THE PRODUCTION OF IN-

5 DUSTRIAL LUBRICANTS.

6 Subchapter II of chapter 99 is amended by inserting

7 in numerical sequence the following new heading:

“	9902.23.63	(Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine (N-oleylsarcosine) (CAS No. 110–25–8) surfactant (provided for in subheading 3402.11.50)	Free	No change	No change	On or before 12/31/2023	”.
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8 SEC. 107554. POLYETHER DISPERSANT.

9 Subchapter II of chapter 99 is amended by inserting

10 in numerical sequence the following new heading:

“	9902.23.64	Oxirane, 2-methyl-, polymer with oxirane, mono[(diethylamino)alkyl] ether surfactant (CAS No. 68511–96–6) (provided for in subheading 3402.12.50)	Free	No change	No change	On or before 12/31/2023	”.
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11 SEC. 107555. D-GLUCOPYRANOSE.

12 Subchapter II of chapter 99 is amended by inserting

13 in numerical sequence the following new heading:

“	9902.23.65	(3R,4S,5S,6R)-2-decoxy-6-(hydroxymethyl)oxane-3,4,5-triol (CAS No. 68515-73-1) (provided for in subheading 3402.13.20)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107556. 2-DODECOXY-6-(HYDROXYMETHYL)OXANE-3,4,5-**
 2 **TRIOI.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.23.66	(3R,4S,5S,6R)-2-Dodecoxy-6-(hydroxymethyl)oxane-3,4,5-triol (CAS No. 110615-47-9) (provided for in subheading 3402.13.20)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107557. MIXTURES OF CERTAIN C12-14-ALKYL ETHERS.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.23.67	Mixtures of poly(oxy-1,2-ethanediyl), α -phosphono- ω -hydroxy-, C12-14-alkyl ethers (CAS No. 121158-63-2); poly(oxy-1,2-ethanediyl), α, α' -phosphinicobis[ω -hydroxy-, di-C12-14-alkyl ethers (CAS No. 121158-61-0); poly(oxy-1,2-ethanediyl), $\alpha, \alpha', \alpha''$ -phosphinyldynetr[ω -hydroxy-, tri-C12-14-alkyl ethers (CAS No. 121158-62-1); alcohols C12-14, ethoxylated (CAS No. 68439-50-9) (provided for in subheading 3402.13.50)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 107558. MANUFACTURING CHEMICAL.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.23.68	Mixtures of fatty acids, coco, ethoxylated (CAS No. 61791–29–5) and butan-1-ol;ethane-1,2-diol;propane-1,2-diol (CAS No. 9038–95–3) surfactant (provided for in subheading 3402.13.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107559. NONIONIC SURFACTANT.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.23.69	D-Glucopyranose, oligomeric, C10–16-alkyl glycosides (CAS No. 110615–47–9); water (CAS No. 7732–18–5); and D-glucopyranose, oligomeric, 2-ethylhexyl glycosides (CAS No. 161074–93–7) (provided for in subheading 3402.13.50)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107560. CHEMICAL USED IN TEXTILE MANUFAC-

5 TURING.

6 Subchapter II of chapter 99 is amended by inserting

7 in numerical sequence the following new heading:

“	9902.23.70	Mixtures of sodium [1-carboxy-17-(dibutylamino)-17-oxoheptadecan-8-yl] sulfate (CAS No. 62093–93–0); sodium;18-hydroxy-18-oxooctadecane-1-sulfonate (CAS No. 67998–94–1); sodium (Z)-octadec-9-enoate (CAS No. 143–19–1); and (Z)-N,N-dibutyloctadec-9-enamide (CAS No. 5831–80–1) (provided for in subheading 3402.90.10)	Free	No change	No change	On or before 12/31/2023	”.
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8 SEC. 107561. ETHOXYLATED TRISTYRYLPHENOL PHOS-

9 PHATE POTASSIUM SALT.

10 Subchapter II of chapter 99 is amended by inserting

11 in numerical sequence the following new heading:

“	9902.23.71	Mixtures of propane-1,2-diol (CAS No. 57-55-6), poly(oxy-1,2-ethanediyl), α -(tris(1-phenylethyl)phenyl)- ω -hydroxy- (CAS No. 99734-09-5), and poly(oxy-1,2-ethanediyl), α -(2,4,6-tris(1-phenylethyl)phenyl)- ω -hydroxy-, phosphate, potassium salt (CAS No. 163436-84-8) (provided for in subheading 3402.90.30)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107562. SODIUM POLYCARBOXYLATE, AQUEOUS SOLU-
2 TION.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.23.72	Mixtures of 2,5-furandione, polymer with 2,4,4-trimethylpentene, sodium salt (sodium;oxolane-2,5-dione;2,4,4-trimethylpent-1-ene) (CAS No. 37199-81-8), and poly(oxy-1,2-ethanediyl), α -(carboxymethyl)- ω -(tridecyloxy)-, branched, sodium salt (CAS No. 68891-17-8) (provided for in subheading 3402.90.50)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 107563. AQUEOUS EMULSION OF A MIXTURE OF AMINE
6 SOAPS AND MISCELLANEOUS OTHER ADDI-
7 TIVES.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.23.73	Mixtures of propane-1,2,3-triol (glycerol) (CAS No. 56-81-5); 2-octadec-9-enoxyethanol phosphoric acid (CAS No. 39464-69-2); tall oil fatty acid (CAS No. 61790-12-3); 2,3-bis[(Z)-12-hydroxyoctadec-9-enoyl]oxypropyl (Z)-12-hydroxyoctadec-9-enoate (castor oil) (CAS No. 8001-79-4); alcohols C16-18,18 unsaturated, ethoxylated (CAS No. 68920-66-1); 2-(2-hydroxyethylamino)ethanol (Diethanolamine) (CAS No. 111-42-2); distillates (petroleum), hydrotreated light naphthenic (CAS No. 64742-53-6); phosphoric acid (CAS No. 7664-38-2); ethane-1,2-diamine (CAS No. 107-15-3); and 2H-benzotriazole (CAS No. 95-14-7) (provided for in subheading 3403.19.50)	Free	No change	No change	On or before 12/31/2023 ”.
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1 **SEC. 107564. AQUEOUS DISPERSION OF A MIXTURE OF**
 2 **FATTY AMINE AND AMIDE SOAPS AND MIS-**
 3 **CELLANEOUS OTHER ADDITIVES.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.23.74	Mixtures of (2E,4E,6E,8E,10E,12E)-pentadeca-2,4,6,8,10,12,14-heptaenoic acid (Fatty acids, C14-18 and C16-18-unsaturated) (CAS No. 67701-06-8); 2-octadec-9-enoxyethanol; phosphoric acid (CAS No. 39464-69-2); distillates, petroleum, solvent-dewaxed heavy paraffinic (CAS No. 64742-65-0); alcohols C16-18,18 unsaturated, ethoxylated (CAS No. 68920-66-1); 2-(2-hydroxyethylamino)ethanol (Diethanolamine) (CAS No. 111-42-2); ethane-1,2-diamine (CAS No. 107-15-3); phosphoric acid (CAS No. 7664-38-2), amines, tallow alkyl, ethoxylated (CAS No. 61791-26-2); and 2H-benzotriazole (CAS No. 95-14-7) (provided for in subheading 3403.19.50)	Free	No change	No change	On or before 12/31/2023 ”.
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1 **SEC. 107565. AQUEOUS DISPERSION OF A MIXTURE OF**
 2 **FATTY AMINE AND AMIDE SOAPS AND MIS-**
 3 **CELLANEOUS OTHER ADDITIVES.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.23.75	Mixtures of N-[2-(octadecanoylamino)ethyl]octadecanamide (CAS No. 110-30-5); 2-(2-hydroxyethylamino)ethanol (CAS No. 111-42-2); phosphoric acid (CAS No. 7664-38-2); amines, tallow alkyl, ethoxylated (CAS No. 61791-26-2); fatty acids, C14-18 and C16-18-unsaturated (CAS No. 67701-06-8); and nonylphenol, branched, ethoxylated, phosphated (CAS No. 68412-53-3) (provided for in subheading 3403.99.00)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 107566. PHOTOGRAPHIC GELATIN.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.23.76	Photographic gelatin (CAS No. 9000-70-8) (provided for in subheading 3503.00.55)	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 107567. ICE FOUNTAINS (CLASS 1.4G).**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.23.77	Ice fountains (Class 1.4G) (CAS No. 9904-70-0) generating a jet of sparklers when lit (provided for in subheading 3604.10.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107568. MAGIC CANDLES CONTAINING MAGNESIUM**
 2 **POWDER.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.23.78	Magic candles containing magnesium powder (CAS No. 7439–95–4) that automatically relight themselves when blown out and emit spark effects when lit (provided for in subheading 3604.90.00)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107569. PARTY SNAPPERS (CLASS 1.4G).**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.23.79	Snaps designed to make a loud noise when thrown to the ground (CAS No. 7761–88–8) (provided for in subheading 3604.90.00)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 107570. FENPYROXIMATE 5SC.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.23.80	Mixtures of tert-butyl 4-[[[(E)-(1,3-dimethyl-5-phenoxy-pyrazol-4-yl)methylideneamino]oxymethyl]benzoate (Fenpyroximate) (CAS No. 134098–61–6) and application adjuvants (provided for in subheading 3808.91.25) ...	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 107571. PYRIFLUQUINAZON 20SC.**

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.23.81	Mixtures of 1-acetyl-6-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)-3-(pyridin-3-ylmethylamino)-4H-quinazolin-2-one (Pyrifluquinazon) (CAS No. 337458-27-2) and application adjuvants (provided for in subheading 3808.91.25) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107572. IMIDACLOPRID AND MUSCALURE FORMULA-
2 TIONS.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.23.82	Product mixtures containing (NE)-N-[1-[(6-chloropyridin-3-yl)methyl]imidazolidin-2-ylidene]nitramide (Imidacloprid) (CAS No. 138261-41-3) and (Z)-tricos-9-ene (Muscalure) (CAS No. 27519-02-4) (provided for in subheading 3808.91.25)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 107573. FORMULATIONS OF ACEPHATE AND
6 BIFENTHRIN.

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.23.83	Formulations of N-[methoxy(methylsulfanyl)phosphoryl]acetamide (Acephate) (CAS No. 30560-19-1) and (2-methyl-3-phenylphenyl)methyl (1R,3R)-3-[(Z)-2-chloro-3,3,3-trifluoroprop-1-enyl]-2,2-dimethylcyclopropane-1-carboxylate (Bifenthrin) (CAS No. 82657-04-3) (provided for in subheading 3808.91.25)	Free	No change	No change	On or before 12/31/2023	”.
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9 SEC. 107574. FIPRONIL.

10 Subchapter II of chapter 99 is amended by inserting
11 in numerical sequence the following new heading:

“	9902.23.84	(RS)-5-Amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-(trifluoromethylsulfinyl)-1H-pyrazole-3-carbonitrile (Fipronil) (CAS No. 120068-37-3) (provided for in subheading 3808.91.25)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107575. ALUMINUM PHOSPHIDE.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.23.85	(Formulated aluminium phosphide (aluminum phosphide) (CAS No. 20859-73-8) (provided for in subheading 3808.91.30)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107576. MAGNAPHOS FORMULATIONS.

5 Subchapter II of chapter 99 is amended by inserting

6 in numerical sequence the following new heading:

“	9902.23.86	Formulations of magnesium phosphide (trimagnesium;phosphorus(3-)) (Magnaphos) (CAS No. 12057-74-8) (provided for in subheading 3808.91.30)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107577. FORMULATED OXAMYL.

8 Subchapter II of chapter 99 is amended by inserting

9 in numerical sequence the following new heading:

“	9902.23.87	Mixtures of methyl (1Z)-2-(dimethylamino)-N-(methylcarbamoyloxy)-2-oxoethanimidothioate (Oxamyl) (CAS No. 23135-22-0) and application adjuvants (provided for in subheading 3808.91.50)	0.2%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107578. FORMULATED FUNGICIDES.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.23.88	Mixtures of 2-(trichloromethylsulfanyl)-3a,4,7,7a-tetrahydroisindole-1,3-dione (Captan) (CAS No. 133-06-2) and application adjuvants (provided for in subheading 3808.92.15)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107579. CERTAIN FUNGICIDES.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.23.89	Mixtures of (2Z)-2-[2-fluoro-5-(trifluoromethyl)phenyl]sulfanyl-2-[3-(2-methoxyphenyl)-1,3-thiazolidin-2-ylidene]acetonitrile (CAS No. 958647-10-4); 1-methylpyrrolidin-2-one (CAS No. 872-50-4) and polyoxyalkylene polystyryl phenyl ether (CAS No. 99734-09-5) (provided for in subheading 3808.92.15)	Free	No change	No change	On or before 12/31/2023	”.
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**7 SEC. 107580. PROTHIOCONAZOLE, FLUOPYRAM, AND
 8 TRIFLOXYSTROBIN FUNGICIDES.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.23.90	Product mixtures containing 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1H-1,2,4-triazole-3-thione (Prothioconazole) (CAS No. 178928-70-6), N-[2-[3-chloro-5-(trifluoromethyl)pyridin-2-yl]ethyl]-2-(trifluoromethyl)benzamide (Fluopyram) (CAS No. 658066-35-4) and (2E)-2-methoxyimino-2-[[(E)-1-[3-(trifluoromethyl)phenyl]ethylideneamino]oxymethyl]phenyl]acetate (Trifloxystrobin) (CAS No. 141517-21-7) (provided for in subheading 3808.92.15) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107581. PROTHIOCONAZOLE, METALAXYL, AND**
2 **TEBUCONAZOLE FUNGICIDES.**

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.23.91	Product mixtures containing 2-[(2RS)-2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-2H-1,2,4-triazole-3(4H)-thione (Prothioconazole) (CAS No. 178928-70-6), methyl N-(2-methoxyacetyl)-N-(2,6-xylyl)-DL-alaninate (Metalaxyl) (CAS No. 57837-19-1) and (RS)-1-p-chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl) pentan-3-ol (Tebuconazole) (CAS No. 107534-96-3) (provided for in subheading 3808.92.15) ...	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107582. MANCOZEB AND CHLOROTHALONIL FORMULA-**
6 **TIONS.**

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.23.92	Formulations of zinc;manganese(2+);N-[2-(sulfidocarbothioylamino)ethyl]carbamodithioate (Mancozeb) (CAS No. 8018-01-7) and 2,4,5,6-tetrachlorobenzene-1,3-dicarbonitrile (Chlorothalonil) (CAS No. 1897-45-6) (provided for in subheading 3808.92.15)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107583. MIXTURES OF PICARBUTROX AND APPLICA-
2 TION ADJUVANTS.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.23.93	Mixtures of tert-butyl N-[6-[[[Z)-[(1-methyltetrazol-5-yl)-phenylmethylidene]amino]oxymethyl]pyridin-2-yl]carbamate (Picarbutrox) (CAS No. 500207-04-5) and application adjuvants (provided for in subheading 3808.92.15)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 107584. MIXTURES OF TETRACONAZOLE AND APPLICA-
6 TION ADJUVANTS.

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.23.94	Mixtures of 1-[2-(2,4-dichlorophenyl)-3-(1,1,2,2-tetrafluoroethoxy)propyl]-1,2,4-triazole (Tetraconazole) (CAS No. 112281-77-3) and application adjuvants (provided for in subheading 3808.92.15)	Free	No change	No change	On or before 12/31/2023	”.
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9 SEC. 107585. MANCOZEB AND AZOXYSTROBIN FORMULA-
10 TIONS.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.23.95	Formulations containing zinc;manganese(2+);N-[2-(sulfidocarbothioylamino)ethyl]carbamodithioate (Mancozeb) (CAS No. 8018-01-7) and methyl (E)-2-[2-[6-(2-cyanophenoxy)pyrimidin-4-yl]oxyphenyl]-3-methoxyprop-2-enoate (Azoxystrobin) (CAS No. 131860-33-8) (provided for in subheading 3808.92.28)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107586. MIXTURES OF CYMOXANIL AND FUMED**
2 **DIOXSILANE.**

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.23.96	Mixtures of (1E)-2-(ethylcarbamoylamino)-N-methoxy-2-oxoethanimidoyl cyanide (Cymoxanil) (CAS No. 57966-95-7), fumed dioxosilane (CAS No. 112945-52-5), and application adjuvants (provided for in subheading 3808.92.30) ...	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107587. MICROTHIOL FORMULATIONS.**

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.23.97	Formulations of micronized sulfur (CAS No. 7704-34-9) (provided for in subheading 3808.92.30)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 107588. FORMULATIONS OF THIENCARBAZONE-METH-**
9 **YL, IODOSULFURON-METHYL-SODIUM, AND**
10 **DICAMBA.**

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.23.98	Product mixtures containing methyl 4-[(3-methoxy-4-methyl-5-oxo-1,2,4-triazole-1-carbonyl)sulfamoyl]-5-methylthiophene-3-carboxylate (Thiencarbazone-methyl) (CAS No. 317815-83-1); sodium;(5-iodo-2-methoxycarbonylphenyl)sulfonyl-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)carbamoyl]azanide (Iodosulfuron-methyl-sodium) (CAS No. 144550-36-7) and 3,6-dichloro-2-methoxybenzoic acid (Dicamba) (CAS No. 1918-00-9) (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023 ”.
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1 **SEC. 107589. THIENCARBAZONE-METHYL,**
2 **ISOXADIFENETHYL, AND TEMBOTRIONE HER-**
3 **BICIDES.**

4 Subchapter II of chapter 99 is amended by inserting
5 in numerical sequence the following new heading:

“	9902.23.99	Methyl 4-[(3-methoxy-4-methyl-5-oxo-1,2,4-triazole-1-carbonyl)sulfamoyl]-5-methylthiophene-3-carboxylate (Thiencarbazone-methyl) (CAS No. 317815-83-1), ethyl 5,5-diphenyl-4H-1,2-oxazole-3-carboxylate (Isoxadifen-ethyl) (CAS No. 163520-33-0) and 2-[2-chloro-4-methylsulfonyl-3-(2,2,2-trifluoroethoxymethyl)benzoyl]cyclohexane-1,3-dione (Tembotrione) (CAS No. 335104-84-2) (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023 ”.
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6 **SEC. 107590. HERBICIDES USED ON GRASSES.**

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.24.01	Product mixtures containing ethyl (2R)-2-[4-[(6-chloro-1,3-benzoxazol-2-yl)oxy]phenoxy]propanoate (Fenoxaprop-ethyl) (CAS No. 71283-80-2) (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107591. THIENCARBAZONE-METHYL, ISOXAFLUTOLE,**
2 **AND CYPROSULFAMIDE HERBICIDES.**

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.24.02	Product mixtures containing methyl 4-[(3-methoxy-4-methyl-5-oxo-1,2,4-triazole-1-carbonyl)sulfamoyl]-5-methylthiophene-3-carboxylate (Thiencarbazone-methyl) (CAS No. 317815-83-1); (5-cyclopropyl-1,2-oxazol-4-yl)-[2-methylsulfonyl-4-(trifluoromethyl)phenyl]methanone (Isoxaflutole) (CAS No. 141112-29-0) and N-[4-(cyclopropylcarbonyl)phenyl]sulfonyl-2-methoxybenzamide (Cyprosulfamide) (CAS No. 221667-31-8) (provided for in subheading 3808.93.15) ...	5%	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107592. THIENCARBAZONE-METHYL AND**
6 **IODOSULFURON-METHYLSODIUM HERBI-**
7 **CIDES.**

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.24.03	Product mixtures containing methyl 4-[(3-methoxy-4-methyl-5-oxo-1,2,4-triazole-1-carbonyl)sulfamoyl]-5-methylthiophene-3-carboxylate (Thiencarbazone-methyl) (CAS No. 317815-83-1) and sodium (5-iodo-2-methoxycarbonylphenyl)sulfonyl-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)carbamoyl]azanide (Iodosulfuron methylsodium) (CAS No. 144550-36-7) (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107593. THIENCARBAZONE-METHYL AND MEFENPYR-
2 DIETHYL HERBICIDES.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.24.04	Product mixtures containing methyl 4-[(3-methoxy-4-methyl-5-oxo-1,2,4-triazole-1-carbonyl)sulfamoyl]-5-methylthiophene-3-carboxylate (Thiencarbazone-methyl) (CAS No. 317815-83-1) and diethyl 1-(2,4-dichlorophenyl)-5-methyl-4H-pyrazole-3,5-dicarboxylate (Mefenpyr-diethyl) (CAS No. 135590-91-9) (provided for in subheading 3808.93.15) ...	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 107594. THIFENSULFURON-METHYL AND
6 TRIBENURON-METHYL FORMULATIONS.

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.24.05	Formulations of methyl 3-[[4-methoxy-6-methyl-1,3,5-triazin-2-yl)carbamoylsulfamoyl]thiophene-2-carboxylate (Thifensulfuron-methyl) (CAS No. 79277-27-3) and methyl 2-[[4-methoxy-6-methyl-1,3,5-triazin-2-yl)-methylcarbamoyl]sulfamoyl]benzoate (Tribenuron-methyl) (CAS No. 101200-48-0) and application adjuvants (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107595. TRIBENURON-METHYL FORMULATIONS.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.24.06	Formulations of methyl 2-[[4-methoxy-6-methyl-1,3,5-triazin-2-yl)-methylcarbamoyl]sulfamoyl]benzoate (Tribenuron-methyl) (CAS No. 101200-48-0) and application adjuvants (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107596. CHLORSULFURON AND METSULFURON-METH-
5 YL FORMULATIONS.

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.24.07	Formulations of 1-(2-chlorophenyl)sulfonyl-3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)urea (Chlorsulfuron) (CAS No. 64902-72-3), methyl 2-[[4-methoxy-6-methyl-1,3,5-triazin-2-yl)carbamoylsulfamoyl] benzoate (Metsulfuron Methyl) (CAS No. 74223-64-6) and application adjuvants (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107597. THIFENSULFURON-METHYL AND FLUROXYPYR**
 2 **FORMULATIONS.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.24.08	Formulations of methyl 3-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)carbamoylsulfamoyl]thiophene-2-carboxylate (Thifensulfuron-methyl) (CAS No. 79277-27-3), 2-(4-amino-3,5-dichloro-6-fluoropyridin-2-yl)oxyacetic acid (Fluroxypyr) (CAS No. 69377-81-7) and application adjuvants (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107598. ACIFLUROFEN FORMULATIONS.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.24.09	Formulations of sodium;5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoate (Acifluofen) (CAS No. 62476-59-9) (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 107599. S-METOLACHLOR AND MESTRIONE HERBI-**
 9 **CIDES.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.24.10	Formulations of 2-chloro-N-(2-ethyl-6-methylphenyl)-N-[(2S)-1-methoxypropan-2-yl]acetamide (S-Metolachlor) (CAS No. 87392-12-9) and 4-amino-6-tert-butyl-3-methylsulfanyl-1,2,4-triazin-5-one (Mestrione) (CAS No. 21087-64-9) (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107600. METRIBUZIN FORMULATIONS.**

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.24.11	Formulations of 4-amino-6-tert-butyl-3-methylsulfanyl-1,2,4-triazin-5-one (Metribuzin) (CAS No. 21087-64-9) (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 107601. PENDIMETHALINE AND METRIBUZINE FORMU-**
5 **LATIONS.**

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.24.12	Formulations of 3,4-dimethyl-2,6-dinitro-N-pentan-3-ylaniline (Pendimethaline) (CAS No. 40487-42-1) and 4-amino-6-tert-butyl-3-methylsulfanyl-1,2,4-triazin-5-one (Metribuzine) (CAS No. 21087-64-9) (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 107602. FORMULATIONS OF S-METOLACHLOR AND**
9 **METRIBUZIN.**

10 Subchapter II of chapter 99 is amended by inserting
11 in numerical sequence the following new heading:

“	9902.24.13	Formulations of 2-chloro-N-(2-ethyl-6-methylphenyl)-N-[(2S)-1-methoxypropan-2-yl]acetamide (S-Metolachlor) (CAS No. 87392-12-9) and 4-amino-6-tert-butyl-3-methylsulfanyl-1,2,4-triazin-5-one (Metribuzin) (CAS No. 21087-64-9) (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107603. THIFENSULFURON-METHYL AND**
 2 **TRIBENURON-METHYL FORMULATIONS.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.24.14	Formulations of methyl 2-[[[4-methoxy-6-methyl-1,3,5-triazin-2-yl)-methylearbamoyl] sulfamoyl]benzoate (Tribenuron-methyl) (CAS No. 101200-48-0) and 3-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)carbamoylsulfamoyl] thiophene-2-carboxylic acid (Thifensulfuron) (CAS No. 79277-67-1) and application adjuvants (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107604. METSULFURON-METHYL FORMULATIONS.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.24.15	Formulations of methyl 2-[[[4-methoxy-6-methyl-1,3,5-triazin-2-yl) carbamoylsulfamoyl]benzoate (Metsulfuron-methyl) (CAS No. 74223-64-6) and application adjuvants (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 107605. CHLORIMURON-ETHYL FORMULATIONS.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.24.16	Formulations of ethyl 2-[(4-chloro-6-methoxypyrimidin-2-yl)carbamoylsulfamoyl] benzoate (Chlorimuron-ethyl) (CAS No. 90982-32-4) and application adjuvants (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107606. MIXTURES OF BROMOXYNIL OCTANOATE AND**
 2 **BROMOXYNIL HEPTANOATE.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.24.17	Mixtures of 2,6-dibromo-4-cyanophenyl octanoate (Bromoxynil octanoate) (CAS No. 1689-99-2) and 2,6-dibromo-4-cyanophenyl heptanoate (Bromoxynil heptanoate) (CAS No. 56634-95-8) (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107607. SULFOMETURON-METHYL AND**
 6 **METSULFURON-METHYL FORMULATIONS.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.24.18	Formulations of methyl 2-[(4,6-dimethylpyrimidin-2-yl)carbamoylsulfamoyl] benzoate (Sulfometuron-methyl) (CAS No. 74222-97-2) and methyl 2-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)carbamoylsulfamoyl] benzoate (Metsulfuron-methyl) (CAS No. 74223-64-6) and application adjuvants (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 107608. CHLORIMURON-ETHYL AND TRIBENURON-**
 10 **METHYL FORMULATIONS.**

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.24.19	Formulations of ethyl 2-[(4-chloro-6-methoxypyrimidin-2-yl)carbamoylsulfamoyl] benzoate (Chlorimuron-ethyl) (CAS No. 90982-32-4) and methyl 2-[[[4-methoxy-6-methyl-1,3,5-triazin-2-yl)-methylcarbamoyl]sulfamoyl] benzoate (Tribenuron-methyl) (CAS No. 101200-48-0) and application adjuvants (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107609. FORMULATIONS CONTAINING TIAFENACIL.

- 2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.24.20	Formulations containing methyl 3-[2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)pyrimidin-1-yl]phenyl]sulfanylpropanoylamino]propanoate (Tiafenacil) (CAS No. 1220411-29-9) (provided for in subheading 3808.93.15)	0.9%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107610. DIURON 80.

- 5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.24.21	Formulated products containing mixtures of 3-(3,4-dichlorophenyl)-1,1-dimethylurea (CAS No. 330-54-1) and application adjuvants (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107611. FLAZASULFURON HERBICIDES.

- 8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.24.22	Formulations of 1-(4,6-dimethoxy-2-pyrimidin-2-yl)-3-[3-(trifluoromethyl)pyridin-2-yl]sulfonylurea (Flazasulfuron) (CAS No. 104040-78-0) (provided for in subheading 3808.93.15) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107612. THIFENSULFURON-METHYL FORMULATIONS.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.24.23	Formulations of methyl 3-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)carbamoylsulfamoyl]thiophene-2-carboxylate (Thifensulfuron-methyl) (CAS No. 79277-27-3) and application adjuvants (provided for in subheading 3808.93.50)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107613. HERBICIDE FOR FARM AND RANCH USE.

5 Subchapter II of chapter 99 is amended by inserting

6 in numerical sequence the following new heading:

“	9902.24.24	Formulations of (RS)-2-Chloro-N-(2-ethyl-6-methylphenyl)-N-(1-methoxypropan-2-yl)acetamide (S-metolachlor) (CAS No. 87392-12-9) and ammonium (2RS)-2-amino-4-(methylphosphinato)butyric acid (Glufosinate) (CAS No. 77182-82-2) (provided for in subheading 3808.93.50)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107614. PROPANIL FORMULATIONS.

8 Subchapter II of chapter 99 is amended by inserting

9 in numerical sequence the following new heading:

“	9902.24.25	Formulations of N-(3,4-dichlorophenyl)propanamide (Propanil) (CAS No. 709-98-8) (provided for in subheading 3808.93.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107615. THIFENSULFURON FORMULATIONS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.24.26	Formulations of 3-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)carbamoylsulfamoyl]thiophene-2-carboxylic acid (Thifensulfuron) (CAS No. 79277-67-1) and application adjuvants (provided for in subheading 3808.93.50)	Free	No change	No change	On or before 12/31/2023	”.
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**4 SEC. 107616. TOLPYRALATE AND NICOSULFURON HERBI-
5 CIDES.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.24.27	Formulations of (RS)-1-[1-ethyl-4-[4-mesyl-3-(2-methoxyethoxy)-o-toluoyl]pyrazol-5-yloxy]ethyl methyl carbonate (Tolpyralate) (CAS No. 1101132-67-5) and 2-[(4,6-dimethoxypyrimidin-2-yl)carbamoylsulfamoyl]-N,N-dimethylpyridine-3-carboxamide (Nicosulfuron) (CAS No. 111991-09-4) (provided for in subheading 3808.93.50)	Free	No change	No change	On or before 12/31/2023	”.
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**8 SEC. 107617. MIXTURES OF MAGNESIUM SALTS AND APPLI-
9 CATION ADJUVANTS.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.24.28	Mixtures of magnesium dinitrate (CAS No. 10377-60-3), 5-chloro-2-methyl-1,2-thiazol-3-one (CAS No. 26172-55-4), 2-methyl-1,2-thiazol-3-one (CAS No. 2682-20-4), magnesium dichloride (CAS No. 7786-30-3), and application adjuvants (provided for in subheading 3808.94.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107618. NISIN FORMULATIONS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.24.29	Nisin preparations including 2.5 percent Nisin and 92 percent salt (CAS No. 1414-45-5) (provided for in subheading 3808.99.95)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107619. CERTAIN FIXATIVES.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.24.30	Dye fixative used in the textile industry containing benzenesulfonic acid, hydroxy-, sodium salt (1:1), polymer with formaldehyde and 4,4'-sulfonylbis(phenol) (CAS No. 71832-81-0) (provided for in subheading 3809.91.00)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107620. FUEL OIL ADDITIVES: COLD FLOW IMPROVERS

8 **CONTAINING POLY(ETHYLENE-CO-ETHENYL**
 9 **ACETATE).**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.24.31	Mixtures containing poly(ethylene-co-ethenyl acetate) (CAS No. 24937-78-8) used as a cold flow improver for fuel oils (provided for in subheading 3811.90.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107621. FUEL OIL ADDITIVES: COLD FLOW IMPROVERS**
 2 **CONTAINING FUMARATE VINYL ACETATE CO-**
 3 **POLYMER.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.24.32	Mixtures containing fumarate vinyl acetate co-polymer (CAS No. 68954-13-2) used as a cold flow improver for fuel oils (provided for in subheading 3811.90.00)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 107622. CRUDE OIL ADDITIVES: COLD FLOW IMPROV-**
 7 **ERS CONTAINING FUMARATE VINYL ACETATE**
 8 **COPOLYMER.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.24.33	Mixtures containing fumarate vinyl acetate copolymer (CAS No. 68954-15-4 or 68954-14-3) used as a cold flow improver for crude oil (provided for in subheading 3811.90.00)	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 107623. POUR POINT DEPRESSANTS.**

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.24.34	Mixtures containing hydrophobic acrylic polymer (CAS No. 27029-57-8) used as a pour point depressant for crude oil (provided for in subheading 3811.90.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107624. FUEL OIL ADDITIVES: COLD FLOW IMPROVERS**
 2 **CONTAINING POLY (ETHYLENE-CO-ETHENYL**
 3 **ACETATE AND VINYL 2-ETHYL HEXANOATE).**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.24.35	Mixtures containing poly (ethylene-co-ethenyl acetate and vinyl 2-ethyl hexanoate) (CAS No. 52856-75-4) used as a cold flow improver for fuel oil (provided for in subheading 3811.90.00)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 107625. POLY(ISOBUTYLENE) HYDROFORMYLATION**
 7 **PRODUCTS.**

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.24.36	Mixtures consisting of poly(isobutylene) hydroformylation products, reaction products with ammonia (CAS No. 337367-30-3), used in the production of gasoline detergent additive packages (provided for in subheading 3811.90.00)	5%	No change	No change	On or before 12/31/2023	”.
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10 **SEC. 107626. INPUT FOR RUBBER PRODUCTS.**

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.24.37	Mixtures of 3-(3,4-dichlorophenyl)-1,1-dimethylurea (CAS No. 330-54-1) with acrylate rubber (provided for in subheading 3812.10.10)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107627. MIXTURES OF OLIGOMERS AS GENERAL ANTI-**
 2 **OXIDANTS FOR RUBBER TIRES.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.24.38	Mixtures of oligomers of 2,2,4-trimethyl-1,2-dihydroquinoline (CAS Nos. 147-47-7 and 26780-96-1) as general antioxidants for rubber tires (provided for in subheading 3812.31.00)	4.4%	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107628. BENZENE, 2,4-DIISOCYANATO-1,3,5-TRIS(1-**
 6 **METHYLETHYL)-, HOMOPOLYMER.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.24.39	Benzene, 2,4-diisocyanato-1,3,5-tris(1-methylethyl)-, homopolymer (CAS No. 29963-44-8) (provided for in subheading 3812.39.60)	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 107629. AROMATIC AMINE ANTIOXIDANTS.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.24.40	Aromatic amine liquid antioxidants for various polymers consisting of benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (CAS No. 68411-46-1) (provided for in subheading 3812.39.60)	Free	No change	No change	On or before 12/31/2023	”.
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12 **SEC. 107630. ANTIOXIDANT BLENDS.**

13 Subchapter II of chapter 99 is amended by inserting
 14 in numerical sequence the following new heading:

“	9902.24.41	Antioxidant blends for polymers consisting of tetrakis(methylene (3, 5-di- <i>t</i> -butyl-4-hydroxyhydrocinnamate) methane (CAS No. 6683-19-8) and tris (2, 4-di- <i>t</i> -butylphenyl) phosphite (CAS No. 31570-04-4) (provided for in subheading 3812.39.60)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107631. ANTIOXIDANT BLENDS TO PROTECT POLY-**
2 **MERS.**

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.24.42	Antioxidant blends for polymers consisting of N, N'-hexamethylene bis[3-(3,5-di- <i>t</i> -butyl-4-hydroxyphenyl)propionamide] (CAS No. 23128-74-7) and tris (2, 4-di- <i>t</i> -butylphenyl) phosphite (CAS No. 31570-04-4) (provided for in subheading 3812.39.60)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107632. SYNTHETIC HYDROTALCITE COATED WITH**
6 **FATTY ACID AND MAGNESIUM STEARATE.**

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.24.43	Polyvinyl chloride stabilizers consisting of magnesium aluminum hydroxide carbonate (synthetic hydrotalcite) (CAS No. 11097-59-9) coated with fatty acids (CAS No. 67701-03-5) and magnesium stearate (CAS No. 91031-63-9) (provided for in subheading 3812.39.90)	1.7%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107633. SILICA SCORCH RETARDERS AND POLYM-**
 2 **ERIZATION INHIBITORS.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.24.44	Mixtures of precipitated silica gel (CAS No. 112926-00-8) and (4-hydroxy-2,2,6,6-tetramethyl-1-piperidinyloxydanyl (CAS No. 2226-96-2) of a kind used as polymerization inhibitors (provided for in subheading 3812.39.90)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107634. SYNTHETIC HYDROTALCITE.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.24.45	Magnesium aluminum hydroxide carbonate (synthetic hydrotalcite) (CAS No. 11097-59-9) coated with a vegetable-based (palm oil) stearic acid (provided for in subheading 3812.39.90)	1.6%	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 107635. LIGHT STABILIZERS FOR CONSTRUCTION**
 9 **PRODUCTS.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.24.46	Hindered amine light stabilizers for polypropylene, polyvinyl chloride and other similar goods, the foregoing consisting of 1,6-hexanediamine, N,N'-bis(2,2,6,6-tetramethyl-4-piperidinyloxy)-, polymer with 2,4,6-trichloro-1,3,5-triazine, reaction products with N-butyl-1-butanamine and N-butyl-2,2,6,6-tetramethyl-4-piperidinamine (CAS No. 192268-64-7) (provided for in subheading 3812.39.90) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107636. LIGHT STABILIZER FOR PLASTICS.**

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.24.47	Light stabilizer for plastics containing a mixture of (2,2,6,6-tetramethyl, 4-piperidinyl) polymer in 50 percent polypropylene (CAS No. 69447-45-8); 2,2,6,6-tetramethylpiperidin-4-yl) octadecanoate (CAS No. 167078-06-0) and 2,2,6,6-tetramethylpiperidin-4-ol (CAS No. 2403-88-5) (provided for in subheading 3812.39.90)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 107637. PREPARATIONS OF BIS(2,4-**
5 **DICHLOROBENZOYL) PEROXIDE 50 PERCENT**
6 **PASTE.**

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.24.48	Preparations each used as an initiator (radical source) in the crosslinking of polymers consisting of bis(2,4-dichlorobenzoyl)peroxide (CAS No. 133-14-2) and silicone oil (provided for in subheading 3815.90.50)	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 107638. DISTILLED TALL OILS.**

10 Subchapter II of chapter 99 is amended by inserting
11 in numerical sequence the following new heading:

“	9902.24.49	Distilled tall oils containing more than 2 percent by weight rosin (CAS No. 8002-26-4) (provided for in subheading 3823.13.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107639. PYRIDINE, ALKYL DERIVATIVES.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.24.50	Pyridine, alkyl derivatives (CAS No. 68391-11-7) (pro- vided for in subheading 3824.99.28)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107640. POLYISOCYANATE CROSSLINKING AGENTS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.24.51	Polyisocyanate crosslinking agent tris(4- isocyanatophenoxy)- sulfanylidene- λ 5-phosphane (CAS No. 4151-51-3) (pro- vided for in subheading 3824.99.28)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107641. BONDING AGENT MIXTURES.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.24.52	Mixture of phenol;propane-1- sulfonic acid (CAS No. 70775-94-9) and 1,3- diisocyanato-2- methylbenzene;2,4- diisocyanato-1-methylbenzene (CAS No. 31370-61-3) (pro- vided for in subheading 3824.99.28)	Free	No change	No change	On or before 12/31/2023	”.
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**10 SEC. 107642. LIQUID, CHEMICALLY MODIFIED AMINE COM-
11 PLEX OF BORON TRIFLUORIDE.**

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.24.53	Liquid, chemically modified amine complex of (benzylamine)trifluoroboron (CAS No. 696-99-1) (provided for in subheading 3824.99.28)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107643. PHTHALOCYANINE DERIVATIVE.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.24.54	1-Octadecanaminium, N,N-dimethyl-N-octadecyl-, (Sp-4-2)-[29H,31H-phthalocyanine-2-sulfonato(3-)-κN29, κN30, κN31, κN32]cuprate(1-) (CAS No. 70750-63-9) (provided for in subheading 3824.99.28)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 107644. MIXTURES OF COCAMIDOPROPYL BETAINE,**
5 **GLYCOL DISTEARATE, LAURETH-4, AND**
6 **WATER.**

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.24.55	Mixtures of 2-[3-(dodecanoylamino)propyl-dimethylazaniumyl]acetate (Cocamidopropyl betaine) (CAS No. 61789-40-0); fatty acids, C16-18, esters with ethylene glycol (glycol distearate) (CAS No. 91031-31-1); alcohols C12-14, ethoxylated (Laureth-4) (CAS No. 68439-50-9) and oxidane (water) (CAS No. 7732-18-5) (provided for in subheading 3824.99.41)	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 107645. MIXTURES OF TALL OIL MONO-, DI-, AND**
10 **TRIGLYCERIDES.**

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.24.56	Mixtures of tall oil mono-, di-, and triglycerides of a kind used for fuel additives (CAS No. 97722-02-6) (provided for in subheading 3824.99.41)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107646. TALLOW-BIS(2-HYDROXYETHYL) AMINES.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.24.57	Mixtures of fatty substances of animal origin containing 50 percent by weight of 2-(2-hydroxyethylamino)ethanol on a polyethylene carrier (provided for in subheading 3824.99.41)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107647. ADDITIVE MIXTURES FOR METALWORKING

5 FLUIDS.

6 Subchapter II of chapter 99 is amended by inserting

7 in numerical sequence the following new heading:

“	9902.24.58	Additive mixtures for metalworking fluids of 2-[dimethyl(propyl)azaniumyl]ethyl-[2-[2-[2-[2-[2-[2-[2-methoxyethyl(dimethyl)azaniumyl]ethyl-dimethylazaniumyl]ethoxy]ethyl-dimethylazaniumyl]ethyl-dimethylazaniumyl]ethoxy]ethyl]-dimethylazanium;hexachloride (CAS No. 31075-24-8) (provided for in subheading 3824.99.55)	Free	No change	No change	On or before 12/31/2023	”.
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8 SEC. 107648. NAPHTHENIC ACIDS.

9 Subchapter II of chapter 99 is amended by inserting

10 in numerical sequence the following new heading:

“	9902.24.59	Naphthenic acids composed of 3-(3-ethylcyclopentyl)propanoic acid (CAS No. 1338-24-5) having an acidic fraction greater than 70 percent (provided for in subheading 3824.99.75)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107649. HYDROXYTYROSOL POWDERS.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.24.60	Mixtures containing (2R,3S,4R,5R)-2,3,4,5,6-pentahydroxyhexanal (CAS No. 9050-36-6 (less than 90 percent by weight)) and 4-(2-hydroxyethyl)benzene-1,2-diol (CAS No. 10597-60-1 (less than 25 percent by weight)) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107650. SECONDARY ALCOHOL ETHOXYLATES.

5 Subchapter II of chapter 99 is amended by inserting

6 in numerical sequence the following new heading:

“	9902.24.61	Mixtures of C12-14-secondary ethoxylated alcohols with an average of less than 5 ethylene oxide monomer units (CAS No. 84133-50-6) (provided for in subheading 3824.99.92)	2.8%	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107651. ETHYLENE GLYCOL DIMERATE.

8 Subchapter II of chapter 99 is amended by inserting

9 in numerical sequence the following new heading:

“	9902.24.62	Mixtures containing fatty acid polymer of a kind used as fuel additives (fatty acids, C18-unsaturated, dimers, polymers with ethylene glycol) (CAS No. 68082-28-0) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107652. TWO-PART LIQUID SILICONE KITS.**

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.24.63	Two-part liquid silicone kits (parts A and B) containing 58 to 70 percent by weight aluminum oxide (CAS No. 1344-28-1) treated with tetrapropyl silicate (CAS No. 682-01-9), 10 to 20 percent by weight ethenyl-[ethenyl(dimethyl)silyl]oxydimethylsilane (CAS No. 68083-19-2), 5 to 15 percent by weight [dimethyl(trimethylsilyloxy)silyl]oxyethenyl-methyltrimethylsilyloxysilane (CAS No. 67762-94-1), 5 to 15 percent by weight iron oxide (CAS No. 1309-37-1), 1 to 3 percent by weight bis(dimethylsilyloxy)dimethylsilane (CAS No. 70900-21-9) and 1 to 3 percent by weight silica, [(ethenyldimethylsilyl)oxy]- and [(trimethylsilyl)oxy]-modified (CAS No. 68988-89-6) (provided for in sub-heading 3824.99.92)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 107653. HYDROPHOBIC PRECIPITATED SILICA.**

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.24.64	Siloxanes and silicones, dimethyl, reaction products with silica (CAS No. 67762-90-7) (provided for in sub-heading 3824.99.92)	Free	No change	No change	On or before 12/31/2023	”.
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7 **SEC. 107654. SILANE, TRIMETHOXYOCTYL-, HYDROLYSIS**
8 **PRODUCTS.**

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.24.65	Dioxosilane; trimethoxy(octyl)silane (CAS No. 92797-60-9) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107655. 1,1,1-TRIMETHYL-N-**
2 **(TRIMETHYLSILYL)SILANAMINE HYDROLYSIS**
3 **PRODUCTS.**

4 Subchapter II of chapter 99 is amended by inserting
5 in numerical sequence the following new heading:

“	9902.24.66	1,1,1-Trimethyl-N- (trimethylsilyl)silanamine hy- drolysis products with silica and 3-(triethoxysilyl)-1- propanamine (CAS No. 199876-44-3) (provided for in subheading 3824.99.92) ...	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 107656. WATERBORNE EPOXY CURING AGENTS.**

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.24.67	Waterborne epoxy curing agents based on cycloaliphatic amine technology containing (3-aminimethyl-3,5,5- trimethylcyclohexylamine) (CAS No. 285513-2) (pro- vided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 107657. PREPARATIONS BASED ON 1-PHENYLICOSANE-**
10 **1,3-DIONE.**

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.24.68	Preparations based on 1- phenylcosane-1,3-dione (CAS No. 58446-52-9) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107658. MIXTURES OF 2-MERCAPTOPROPIONIC ACID,**
 2 **METHYL ESTER, O-ETHYL**
 3 **DITHIOCARBONATE.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.24.69	Mixtures of methyl 2-ethoxycarbothioylsulfanylpropanoate (CAS No. 351491-23-1); heptane (CAS No. 142-82-5) and methanedithione (CAS No. 75-15-0) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 107659. EPOXY CURING AGENTS.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.24.70	Epoxy curing agent mixtures of linseed oil polymer with bisphenol A, bisphenol A diglycidyl ether, diethylenetriamine, formaldehyde, glycidyl phenyl ether and pentaethylenhexamine (CAS No. 68915-81-1) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 107660. ALIPHATIC AMINE CURING AGENTS.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.24.71	[3-(Aminomethyl)phenyl]methanamine (CAS No. 1477-55-0) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023	”.
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12 **SEC. 107661. NON-HALOGENATED FLAME RETARDANTS.**

13 Subchapter II of chapter 99 is amended by inserting
 14 in numerical sequence the following new heading:

“	9902.24.72	Non-halogenated flame retardants based on organic phosphinates aluminum; diethylphosphinate (CAS No. 225789-38-8) phosphonic acid, aluminum salt (3:2) (CAS No. 56287-23-1) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107662. LIGAPHOB N 90.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.24.73	Fatty acids, C16-18 and C18-unsaturated, sodium salts (CAS No. 68424-26-0) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107663. ORGANOMODIFIED SILOXANE.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.24.74	Mixtures of poly[oxy(methyl-1,2-ethanediyl)], α -butyl- ω -hydroxy- (CAS No. 9003-13-8); polysiloxanes, di-Me, hydroxy-terminated, ethoxylated propoxylated (CAS No. 64365-23-7); and oxirane, 2-methyl-, polymer with oxirane (CAS No. 9003-11-6) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107664. METHYL PALMITATE-STEARATE, HYDRO-
8 GENATED.

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.24.75	Fatty acids, C16-18, methyl esters (methyl palmitate-stearate, hydrogenated) (CAS No. 85586-21-6) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107665. OLFINE E1010.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.24.76	Mixtures of ethane-1,2-diol;2,4,7,9-tetramethyldec-5-yne-4,7-diol (CAS No. 9014-85-1) (provided for in subheading 3824.99.92)	1%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107666. CERTAIN NON-HALOGENATED FLAME
5 RETARDANTS.

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.24.77	Non-halogenated flame retardants based on organic phosphinates aluminum;diethylphosphinate (CAS No. 225789-38-8) phosphoric acid;1,3,5-triazine-2,4,6-triamine (CAS No. 218768-84-4) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023	”.
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8 SEC. 107667. FLAME RETARDANTS.

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.24.78	Non-halogenated flame retardant based on organic phosphinates aluminum;diethylphosphinate (CAS No. 225789-38-8) phosphoric acid;1,3,5-triazine-2,4,6-triamine (CAS No. 218768-84-4) boron zinc oxide (CAS No. 12767-90-7) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107668. PREPARATIONS BASED ON ACETYL**
 2 **HEXAPEPTIDE-8 AND PENTAPEPTIDE-18.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.24.79	Mixtures of propane-1,2,3-triol (CAS No. 56–81–5); (4S)-4-acetamido-5-[[[(2S)-1-[[[(2S)-1-[[[(2S)-5-amino-1-[[[(2S)-1-[[[(2S)-1-amino-5-(diaminomethylideneamino)-1-oxopentan-2-yl]amino]-5-(diaminomethylideneamino)-1-oxopentan-2-yl]amino]-1,5-dioxopentan-2-yl]amino]-4-methylsulfanyl-1-oxobutan-2-yl]amino]-4-carboxy-1-oxobutan-2-yl]amino]-5-oxopentanoic acid (CAS No. 616204–22–9); L-tyrosyl-D-alanyl-glycyl-L-phenylalanyl-L-leucine (CAS No. 64963–01–5); 2-hydroxypropane-1,2,3-tricarboxylic acid hydrate (CAS No. 5949–29–1); octane-1,2-diol (CAS No. 1117–86–8) and water (CAS No. 7732–18–5) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107669. LITHIUM SILICON OXIDE.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.24.80	Lithium poly-silicate (lithium silicon oxide) in dark gray powdered form (CAS No. 12627–14–4) (provided for in subheading 3824.99.92)	3.9%	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 107670. BRANCHED OLEFIN FROM PROPYLENE POLYM-**
 9 **ERIZATION.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.24.81	Branched olefin from propylene polymerization (12-[(2S,3R)-3-octyloxiran-2-yl]dodecanoic acid) (CAS No. 9003-07-0) (provided for in subheading 3902.10.00), the foregoing other than polypropylene in pellet form, containing 1 percent or more but not over 10 percent by weight of mineral filler (talc) and 10 percent or more but not over 30 percent by weight of carbon powder	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107671. POLYPROPYLENE PELLETS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.24.82	Polypropylene in pellet form, containing 1 percent or more but not over 10 percent by weight of mineral filler (talc) and 10 percent or more but not over 30 percent by weight of carbon powder (CAS No. 9003-07-0) (provided for in subheading 3902.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107672. PROPYLENE-ETHYLENE COPOLYMER.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.24.83	Poly(propylene-co-ethylene) (CAS No. 9010-79-1) (provided for in subheading 3902.30.00), the foregoing other than ethylene-propylene copolymers containing 50 to 75 percent by weight of propylene	4.9%	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107673. ETHYLENE-PROPYLENE COPOLYMERS.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.24.84	Ethylene-propylene copolymers, containing 50 to 75 percent by weight of propylene (CAS No. 9010-79-1) (provided for in subheading 3902.30.00)	3.3%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107674. BENZENE ALKYLATED WITH POLYPROPYLENE.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.24.85	Benzene, polypropylene derivatives (CAS No. 68081-77-6) (provided for in subheading 3902.90.00)	1.3%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107675. CHLORINATED POLYOLEFIN.

5 Subchapter II of chapter 99 is amended by inserting

6 in numerical sequence the following new heading:

“	9902.24.86	Chlorinated polyolefin (1-butene, polymer with ethene and 1-propene, chloro- and tetrahydro-2,5-dioxo-3-furanyl-terminated) (CAS No. 560096-07-3) (provided for in subheading 3902.90.00)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107676. ADSORBENT RESIN.

8 Subchapter II of chapter 99 is amended by inserting

9 in numerical sequence the following new heading:

“	9902.24.87	Poly(divinylbenzene-co-ethylstyrene) (CAS No. 9043-77-0) (provided for in subheading 3903.90.50)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107677. VINYL CHLORIDE-HYDROXYPROPYL ACRYLATE

11 COPOLYMER.

12 Subchapter II of chapter 99 is amended by inserting

13 in numerical sequence the following new heading:

“	9902.24.88	2-Hydroxypropyl prop-2-enoate (acrylate), oxiran-2-ylmethyl 2-methylprop-2-enoate (glycidyl methacrylate), vinyl chloride copolymer (CAS No. 164718-75-6) (provided for in subheading 3904.40.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107678. VINYL CHLORIDE ETHYLENE COPOLYMER
2 WITH HYDROPHIC PROPERTIES.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.24.89	Mixtures containing by weight less than 70 percent of ethylene-vinyl chloride copolymer (CAS No. 25037-78-9) (provided for in subheading 3904.40.00)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 107679. FLUIDS WITH BOILING POINTS ABOVE 170 °C.

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.24.90	1-Propene, 1,1,2,3,3,3-hexafluoro-, oxidized, polymerized (CAS 69991-67-9) (provided for in subheading 3904.69.50), with boiling point above 170 °C	Free	No change	No change	On or before 12/31/2023	”.
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8 SEC. 107680. FORMULATIONS OF FUNCTIONALIZED
9 PERFLUOROPOLYETHER.

10 Subchapter II of chapter 99 is amended by inserting
11 in numerical sequence the following new heading:

“	9902.24.91	Ethene, 1,1,2,2-tetrafluoro-, oxidized, polymerized, reduced, fluorinated, ethyl esters, reduced (CAS No. 1573124-82-9) (provided for in subheading 3904.69.50) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107681. PERFLUOROPOLYETHER-URETHANE ACRY-**
 2 **LATE.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.24.92	Perfluoropolyether-urethane acrylate (2-propenoic acid, 2-hydroxyethyl ester, reaction products with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane trimer and reduced Me esters of reduced polymerized, oxidized tetrafluoroethylene) (CAS No. 918664-08-1) present in a quantity comprising 60 percent or more but less than 70 percent by weight, the foregoing dissolved in 0.5 percent or more but less than 1 percent by weight of propan-2-ol (isopropyl alcohol) (CAS No. 67-63-0), 15 percent or more but less than 20 percent by weight of ethyl acetate (CAS No.141-78-6) and 10 percent or more but less than 15 percent by weight of butyl acetate (CAS No.123-86-4) (provided for in subheading 3904.69.50)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107682. PVDF HOMOPOLYMER/PVDF/CTFE COPOLYMER**
 6 **MIXTURES.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.24.93	Mixtures of ethene, 1,1-difluoro-, homopolymer (CAS No. 24937-79-9) and ethene, 1-chloro-1,2,2-trifluoro-, polymer with 1,1-difluoroethene (CAS No. 9010-75-7) (provided for in subheading 3904.69.50)	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 107683. CHEMICALLY MODIFIED PVDF.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.24.94	Chemically modified ethene, 1,1-difluoro-, homopolymer (CAS No. 24937-79-9) (provided for in subheading 3904.69.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107684. FLUOROPOLYMER, FLUOROETHYLENE-ALKYL
2 VINYLETHER ALTERNATIVE COPOLYMERS.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.24.95	Chlorotrifluoroethylene-cyclohexyl vinyl ether-hydroxybutyl vinyl ether copolymer in flake or powder form, having a glass transition temperature of 51 °C (CAS No. 89461-13-2) (provided for in subheading 3904.69.50)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 107685. COPOLYMER OF VINYL ACETATE AND HIGHER
6 VINYL ESTERS.

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.24.96	Mixtures containing 50 percent by weight poly(vinyl acetate-co-vinyl laurate) (CAS No. 26354-30-3) and 50 percent by weight bis(2-ethylhexyl) adipate (CAS No. 103-23-1) (provided for in subheading 3905.19.00)	Free	No change	No change	On or before 12/31/2023	”.
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9 SEC. 107686. FOOD-GRADE VINYL ACETATE COPOLYMER.

10 Subchapter II of chapter 99 is amended by inserting
11 in numerical sequence the following new heading:

“	9902.24.97	Dodecanoic acid, ethenyl ester, polymer with ethenyl acetate (CAS No. 26354-30-3) (provided for in subheading 3905.19.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107687. VINYL CHLORIDE ETHYLENE WITH ENHANCED**
 2 **PROPERTIES.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.24.98	Mixtures containing by weight less than 75 percent of ethylene-vinyl acetate-vinyl chloride copolymer (CAS No. 25085-46-5) (provided for in subheading 3905.29.00)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107688. VINYL ACETATE ETHYLENE COPOLYMER WITH**
 6 **ENHANCED PROPERTIES.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.24.99	Mixtures containing not more than 75 percent by weight of poly(ethylene-co-ethenyl acetate) (CAS No. 24937-78-8), other than in aqueous dispersion (provided for in subheading 3905.29.00)	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 107689. FOOD-GRADE POLYVINYL ACETATE**
 10 **HOMOPOLYMERS.**

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.25.01	Dodecanoic acid, ethenyl ester, polymer with ethenyl acetate (CAS No. 26354-30-3) (provided for in subheading 3905.29.00)	Free	No change	No change	On or before 12/31/2023	”.
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13 **SEC. 107690. ACRYLIC ACID/VINYLSULPHONATE RANDOM**
 14 **COPOLYMERS.**

15 Subchapter II of chapter 99 is amended by inserting
 16 in numerical sequence the following new heading:

“	9902.25.02	Acrylic acid-sodium vinylsulfonate copolymers, sodium persulfate initiated, reaction product with tetrasodium vinylidene diphosphonic acid (CAS No. 397256-50-7) (provided for in subheading 3905.91.50) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107691. POLY(METHYL METHACRYLATE) MICRO-
2 SPHERES.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.25.03	Poly(methyl methacrylate) granular or spherical microspheres, each with mean particle size of 1 to 25 μm (CAS No. 9011-14-7) (provided for in subheading 3906.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 107692. METHYL METHACRYLATE CROSSPOLYMER
6 MICROSPHERES.

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.25.04	Composites of methyl methacrylate crosspolymer (methyl 2-methylprop-2-enoate;2-(2-methylprop-2-enoyloxy)ethyl 2-methylprop-2-enoate) (CAS No. 25777-71-3), entirely spherical micro-spheres with mean particle size of 1 to 25 μm and containing 7 to 10 percent by weight of dicalcium phosphate (CAS No. 7757-93-9) (provided for in subheading 3906.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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9 SEC. 107693. STYRENE ACRYLATE COPOLYMER WITH EN-
10 HANCED PROPERTIES.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.25.05	Mixtures containing less than 65 percent by weight of butyl prop-2-enoate;styrene (CAS No. 25767-47-9) (provided for in subheading 3906.90.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107694. COPOLYMER FOR DENTAL USE.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.25.06	Reacted copolymer of itaconic and acrylic acids, containing by weight over 90 percent 2-propenoic acid polymer with methylenebutanedioic acid, and also containing ethyl acetate and tetrahydrofuran (CAS No. 25948-33-8) (provided for in subheading 3906.90.50)	Free	No change	No change	On or before 12/31/2023	”.
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**4 SEC. 107695. VINYL PHOSPHONIC ACID, ACRYLIC ACID CO-
5 POLYMER, 20 PERCENT SOLUTION IN WATER.**

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.25.07	2-Propenoic acid, polymer with p-ethenylphosphonic acid, 20 percent solution in water (CAS No. 27936-88-5) (provided for in subheading 3906.90.50)	Free	No change	No change	On or before 12/31/2023	”.
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8 SEC. 107696. POLYACRYLATE 33.

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.25.08	Mixtures of polyacrylate 33 (methyl methacrylate, polymers with ethyl acrylate, polyethylene glycol methacrylate C16–22-alkyl ethers and polyethylene-polypropylene glycol methacrylate 2-(6,6-dimethylbicyclo[3.1.1]hept-2-en-2-yl)ethyl ether) (CAS No. 1204525–16–5) and alcohols, C10–16, ethoxylated, sulfates, ammonium salts (CAS No. 67762–19–0) (provided for in subheading 3906.90.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107697. AA/AMPS COPOLYMER.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.25.09	Acrylic acid-2-acrylamide-2-methyl propanesulfonic acid copolymer (prop-2-enoic acid;2-(prop-2-enoylamino)butane-2-sulfonic acid) (CAS No. 40623–75–4) in granule form, with a particle size between 250 and 850 μm (provided for in subheading 3906.90.50)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107698. FLOCCULANT DRY POLYACRYLAMIDES.

5 Subchapter II of chapter 99 is amended by inserting

6 in numerical sequence the following new heading:

“	9902.25.10	Flocculant dry polyacrylamides (prop-2-enamide) (CAS No. 9003–05–8) (provided for in subheading 3906.90.50)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107699. SORBITOL, PROPYLENE OXIDE, ETHYLENE

8 OXIDE POLYMER.

9 Subchapter II of chapter 99 is amended by inserting

10 in numerical sequence the following new heading:

“	9902.25.11	Oxirane, 2-methyl-, polymer with oxirane, ether with D-glucitol (6:1) (CAS No. 56449-05-9) (provided for in subheading 3907.20.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107700. TRIMETHOXSILYLPROPYL CARBAMATE-TER-**
2 **MINATED POLYETHER.**

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.25.12	Poly[oxy(methyl-1,2-ethanediyl)], α -(((3-(trimethoxysilyl)propyl)amino)carbonyl)- ω -(((3-(trimethoxysilyl)propyl)amino)carbonyl)oxy)- (CAS No. 216597-12-5) (provided for in subheading 3907.20.00)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107701.**
6 **DIMETHOXY(METHYL)**
7 **SILYLMETHYL CARBAMATE-TERMINATED**
8 **POLYETHER.**

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.25.13	Poly[oxy(methyl-1,2-ethanediyl)], α -(((dimethoxymethylsilyl)methyl)amino)carbonyl)- ω -(((dimethoxymethylsilyl)methyl)amino)carbonyl)oxy)- (CAS No. 611222-18-5) (provided for in subheading 3907.20.00)	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 107702. CURING AGENT IS USED IN TWO- OR THREE-**
12 **PARTS EPOXY SYSTEMS.**

13 Subchapter II of chapter 99 is amended by inserting
14 in numerical sequence the following new heading:

“	9902.25.14	Polyoxypropylen glycol diamine ((3S,4S)-pyrrolidine-3,4-diol) (CAS No. 9046-10-0) (provided for in subheading 3907.20.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107703. POLYETHYLENE GLYCOL 450.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.25.15	Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy-ethane-1,2-diol, ethoxylated, PEG 450 (CAS No. 25322-68-3) (provided for in subheading 3907.20.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107704. MEDICINAL INTERMEDIATE FOR INVESTIGA-
5 TIONAL USE.

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.25.16	Poly(oxy-1,2-ethandiyl), α -[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]- ω -[[[(2,5-dioxo-1-pyrrolinyl)oxy]carbonyl]oxy-(di-NHS PEG40K) (CAS No. 122375-06-8) (provided for in subheading 3907.20.00) ...	Free	No change	No change	On or before 12/31/2023	”.
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8 SEC. 107705. AQUEOUS SOLUTIONS OF CARBOXYLIC ACID-
9 COPOLYMER-SALT IN WATER.

10 Subchapter II of chapter 99 is amended by inserting
11 in numerical sequence the following new heading:

“	9902.25.18	Aqueous solutions containing by weight more than 35 percent of 2,5-furandione, polymer with α -[4-(ethenyloxy)butyl]- ω -hydroxypoly(oxy-1,2-ethanediyl), sodium salt (CAS No. 250591-55-0) (provided for in subheading 3907.20.00)	3%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107706. AQUEOUS SOLUTIONS OF A MODIFIED POLY-**
 2 **MER BEARING HYDROPHILIC AND HYDRO-**
 3 **PHOBIC GROUPS.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.25.19	Aqueous solutions containing by weight more than 40 percent of 2,5-furandione, polymer with ethenylbenzene, hydrolyzed, 3-(dimethylamino)propyl imide, imide with polyethylene-polypropylene glycol 2-aminopropyl me ether, 2,2'-(1,2-diazenediyl)bis(2-methylbutanenitrile)-initiated (CAS No. 1062609-13-5) (provided for in subheading 3907.20.00)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 107707. DIMETHYLAMINE/EPICHLOROHYDRIN/ETHYL-**
 7 **ENEDIAMINE COPOLYMER.**

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.25.20	1,2-Ethanediamine, polymer with 2-(chloromethyl)oxirane and N-methylmethanamine (CAS No. 42751-79-1) (provided for in subheading 3907.30.00)	Free	No change	No change	On or before 12/31/2023	”.
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10 **SEC. 107708. LINEAR HYDROXYL-TERMINATED ALIPHATIC**
 11 **POLYCARB DIOL.**

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.25.21	Poly(dimethyl carbonate-co-1,6-hexanediol) (CAS No. 101325-00-2) (provided for in subheading 3907.40.00) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107709. SHORT HOLLOW PET FIBERS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.25.22	Hollow fibers of poly(ethylene terephthalate) (CAS No. 25038-59-9), having a viscosity number of 78 ml/g or higher, each fiber measuring 0.5 mm or more but not more than 5 mm in length (provided for in subheading 3907.61.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107710. POLYTETRAHYDROFURAN.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.25.23	Polytetrahydrofuran (CAS No. 25190-06-1) (provided for in subheading 3907.99.50)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107711. CRYSTALLINE POLYESTERS.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.25.24	1,4-Benzenedicarboxylic acid, 1,4-dimethyl ester, polymer with 1,4-butanediol and α -hydro- ω -hydroxypoly(oxy-1,4-butanediyl) (CAS No. 9078-71-1) (provided for in subheading 3907.99.50)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107712. LIQUID CRYSTAL POLYMERS.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.25.25	1,4-Benzenedicarboxylic acid, polymer with 1,4-butanediol and α -hydro- ω -hydroxypoly(oxy-1,4-butanediyl) (CAS No. 37282-12-5) (provided for in subheading 3907.99.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107713. BRANCHED POLYESTERS.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.25.26	1,3-Benzenedicarboxylic acid, polymer with 1,3-dihydro-1,3-dioxo-5-isobenzofuranicarboxylic acid, 1,4-dimethyl 1,4-benzenedicarboxylate, 2,2-dimethyl-1,3-propanediol and 1,2-ethanediol (CAS No. 207346-22-3) (provided for in subheading 3907.99.50) ...	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107714. HIGH MOLECULAR WEIGHT CO-POLYESTER.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.25.27	1,4-Benzenedicarboxylic acid, 1,4-dimethyl ester, polymer with 1,4-butanediol and triethyldecanedimethanol (CAS No. 490017-22-6) (provided for in subheading 3907.99.50)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107715. HIGH MOLECULAR WEIGHT CO-POLYESTER.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.25.28	1,3-Benzenedicarboxylic acid polymer with 1,4-benzenedicarboxylic acid, dimethyl ester, 1,4-cyclohexanedimethanol, 2,2-dimethyl-1,3-propanediol and 1,2-ethanediol (CAS No. 74239-60-4) (provided for in subheading 3907.99.50)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107716. POLYESTER-POLYAMIDE DISPERSANTS.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.25.29	Dodecanoic acid, reaction products with ethylenimine-2-oxepanone polymer (CAS No. 132434-99-2) (provided for in subheading 3907.99.50) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107717. NYLON-12 MICRO-SPHERES.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.25.30	Nylon-12, entirely spherical micro-spheres with mean particle size of 1 to 25 μm (CAS No. 24937-16-4) (provided for in subheading 3908.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107718. SHORT NYLON-66 FIBERS.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.25.31	Nylon 66 (CAS No. 32131-17-2) fiber, measuring 3.3 decitex or more but not more than 22.2 decitex and having a fiber length each measuring 0.5 mm or more but not over 2 mm (provided for in subheading 3908.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107719. SHORT NYLON 6 FIBERS, COLORED.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.25.32	Nylon 6 (CAS No. 25038-54-4) fibers, colored with pigments, measuring approximately 5.5 or more but not more than 22.2 decitex and having a fiber length each measuring 1 mm or more but not over 5 mm (provided for in subheading 3908.10.00) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107720. SHORT TRIANGULAR NYLON 6 FIBERS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.25.33	Triangular nylon 6 (CAS No. 25038-54-4) fibers, measuring 2 or more but not more than 5 decitex and having a fiber length each measuring 0.5 mm or more but not over 2 mm (provided for in subheading 3908.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107721. SHORT STAR-SHAPED NYLON 6 FIBERS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.25.34	Star-shaped nylon 6 (CAS No. 25038-54-4) fibers, measuring 50 or more but not more than 200 decitex and having a fiber length each measuring 0.5 mm or more but not over 5 mm (provided for in subheading 3908.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107722. SHORT HEART-SHAPED NYLON 6 FIBERS.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.25.35	Heart-shaped nylon 6 (CAS No. 25038-54-4) fibers, measuring 150 decitex and having a fiber length each measuring 0.5 mm or more but not over 2 mm (provided for in subheading 3908.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107723. PA510 POLYMER COMPOUNDS.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.25.36	Mixtures containing poly(imino-1,5-pentanediylimino(1,10-dioxo-1,10-decanediyl)) PA510 (CAS No. 105063-19-2) (provided for in subheading 3908.90.70)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107724. MXD6 POLYMER COMPOUNDS.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.25.37	Compounds in which hexanedioic acid, polymer with 1,3-benzenedimethanamine (MXD6) (CAS No. 25728-70-1) is the predominant polymer resin (provided for in subheading 3908.90.70)	2.2%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107725. PA10T POLYMER COMPOUNDS.

5 Subchapter II of chapter 99 is amended by inserting

6 in numerical sequence the following new heading:

“	9902.25.38	Compounds in which poly(iminocarbonyl-1,4-phenylenecarbonylimino-1,10-decanediyl) (PA10T) (CAS No. 24938-74-7) is the predominant polymer resin (provided for in subheading 3908.90.70)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107726. PA10T/10I POLYMER COMPOUNDS.

8 Subchapter II of chapter 99 is amended by inserting

9 in numerical sequence the following new heading:

“	9902.25.39	Compounds in which poly(iminocarbonyl-1,4-phenylenecarbonylimino-1,10-decanediyl)-co-(iminocarbonyl-1,3-phenylenecarbonylimino-1,10-decanediyl) (PA10T/10I) (CAS No. 106413-15-4) is the predominant polymer resin (provided for in subheading 3908.90.70)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107727. POLYURETHANE AQUEOUS RESINS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.25.40	Butane-1,4-diol;1,6-diisocyanatohexane;hexanedioic acid;5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane (CAS No. 107934-19-0) (provided for in subheading 3909.50.20)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107728. AQUEOUS RESIN.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.25.41	Hexanedioic acid, polymer with 1,4-butanediol, 1,6-diisocyanatohexane, 1,6-hexanediol and 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane (CAS No. 153640-62-1) (provided for in subheading 3909.50.20)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107729. ALIPHATIC POLYISOCYANATE.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.25.42	1,2,3-Propanetriol, polymer with 2,4-diisocyanato-1-methylbenzene, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol, methyloxirane and oxirane (CAS No. 127821-00-5) (provided for in subheading 3909.50.50) ...	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107730. IPDI AND HDI BASED ALIPHATIC
11 POLYISOCYANATE.

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.25.43	Poly[oxy(methyl-1,2-ethanediyl)], α -hydro- ω -hydroxy-, polymer with 1,6-diisocyanatohexane (CAS No. 9048-90-2) and cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-, (CAS No. 53880-05-0) (provided for in sub-heading 3909.50.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107731. HDI/TRIMETHYLOL HEXYLLACTONE

2 CROSSPOLYMER MICRO-SPHERES.

3 Subchapter II of chapter 99 is amended by inserting

4 in numerical sequence the following new heading:

“	9902.25.44	Hexamethylene diisocyanate (HDI)/trimethylol hexylactone crosspolymer (1,6-diisocyanatohexane;2-ethyl-2-(hydroxymethyl)propane-1,3-diol;oxepan-2-one) (CAS No. 129757-76-2), entirely spherical micro-spheres with mean particle size of 1 to 25 μ m and coated with 1 to 3 percent by weight of silica (CAS No. 7631-86-9) (provided for in subheading 3909.50.50)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 107732. HDI/PPG/POLYCAPROLACTONE

6 CROSSPOLYMER MICRO-SPHERES.

7 Subchapter II of chapter 99 is amended by inserting

8 in numerical sequence the following new heading:

“	9902.25.45	2-Oxepanone, polymer with 1,6-diisocyanatohexane, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol and α -hydro- ω -hydroxy[poly[oxy(methyl-1,2-ethanediyl)]] ether with D-glucitol (6:1) (CAS No. 302791-95-3), entirely spherical micro-spheres with mean particle size of 3 to 25 μ m (provided for in sub-heading 3909.50.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107733. AROMATIC ISOCYANATE PREPOLYMER.**

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.25.46	Isocyanic acid, polymethylenepolyphenylene ester, polymer with 2-methyloxirane and oxirane (CAS No. 67423-05-6) (provided for in subheading 3909.50.50)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 107734. BLOCKED POLYISOCYANATE CONTAINING SOL-**
5 **VENT.**

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.25.47	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,3-diisocyanatomethylbenzene, 1,1'-methylenebis[4-isocyanatobenzene], 2-methyloxirane and 2-methyloxirane polymer with oxirane ether with 1,2,3-propanetriol (3:1), Me Et ketone oxime-blocked (CAS No. 1334421-42-9) (provided for in subheading 3909.50.50) ...	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 107735. POLYISOCYANATE ADDUCT FOR POWDER**
9 **COATINGS.**

10 Subchapter II of chapter 99 is amended by inserting
11 in numerical sequence the following new heading:

“	9902.25.48	1,3-Bis((5-isocyanato-1,3,3-trimethylcyclohexyl)methyl)-1,3-diazetidone-2,4-dione;butane-1,4-diol (CAS No. 72828-34-3) (provided for in subheading 3909.50.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107736. BLOCKED POLYISOCYANATE FOR USE IN CAN**
 2 **AND COIL APPLICATIONS.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.25.49	Isocyanato-1- (isocyanatomethyl)-1,3,3- trimethylcyclohexane (Isophorone diisocyanate), homopolymer, methyl ethyl ketone oxime-blocked (CAS No. 103170–26–9) (provided for in subheading 3909.50.50)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107737. POLYDIMETHYLSILOXANE.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.25.50	Polydimethylsiloxane (Di- methyl- bis(trimethylsilyloxy)silane) (CAS No. 63148–62–9) (pro- vided for in heading 3910.00.00)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 107738. SILICONE RESINS.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.25.51	Siloxanes and silicones, di- Me, polymers with Me PH silsesquioxanes (CAS No. 68440–81–3) (provided for in heading 3910.00.00)	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 107739. METHOXYFUNCTIONAL METHYL-PHENYL**
 12 **POLYSILOXANE.**

13 Subchapter II of chapter 99 is amended by inserting
 14 in numerical sequence the following new heading:

“	9902.25.52	Siloxanes and silicones, di-Me, polymers with PH silsesquioxanes, butoxy- and methoxy-terminated (CAS No. 104780–72–5) (provided for in heading 3910.00.00) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107740. HYDROGENPOLYSILOXANE.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.25.53	Dimethyl-[methyl(trimethylsilyloxy)silyl]oxy-trimethylsilyloxysilane (CAS No. 68037–59–2) (provided for in heading 3910.00.00) ...	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107741. METHYL SILICONE RESINS.

5 Subchapter II of chapter 99 is amended by inserting

6 in numerical sequence the following new heading:

“	9902.25.54	Siloxanes and silicones, di-Me, polymers with Me silsesquioxanes, ethoxy-terminated (CAS No. 68554–66–5) (provided for in heading 3910.00.00)	Free	No change	No change	On or before 12/31/2023	”.
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**7 SEC. 107742. EPOXY FUNCTIONAL
8 POLYDIMETHYLSILOXANE.**

9 Subchapter II of chapter 99 is amended by inserting

10 in numerical sequence the following new heading:

“	9902.25.56	Methoxy-methyl-[3-(3-(oxiran-2-yl)propoxy)propyl]-trimethylsilyloxysilane (CAS No. 68440–71–1) (provided for in heading 3910.00.00) ...	Free	No change	No change	On or before 12/31/2023	”.
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11 SEC. 107743. POLYMETHYLHYDROGENSILOXANE.

12 Subchapter II of chapter 99 is amended by inserting

13 in numerical sequence the following new heading:

“	9902.25.57	Poly(methylhydrosiloxane) (CAS No. 63148–57–2) (provided for in heading 3910.00.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107744. VINYL TERMINATED SILOXANES.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.25.58	Siloxanes and silicones, di-Me, vinyl group-terminated (ethenyl-[ethenyl(dimethyl)silyl]oxydimethylsilane) (CAS No. 68083–19–2) (provided for in heading 3910.00.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107745. SILICONE HYBRID RESIN (SOLVENT FREE).

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.25.59	Mixtures containing 85 percent or more by weight of silsesquioxanes, Me Ph, methoxy-terminated, polymers with epichlorohydrin, 4,4'-(1-methylethylidene)bis[cyclohexanol] and trimethyl (CAS No. 349656–42–4) and 10 percent or less by weight cyclohexanol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxirane (CAS No. 30583–72–3) (provided for in heading 3910.00.00) ...	Free	No change	No change	On or before 12/31/2023	”.
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**7 SEC. 107746. HYDROGENATED POLYCYCLOPENTADIENE
8 RESIN.**

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.25.60	Hydrogenated polycyclopentadiene resin (1,3-Cyclopentadiene homopolymer, hydrogenated) (CAS No. 68132-00-3) (provided for in subheading 3911.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107747. WATER DISPERSABLE HDI BASED
2 POLYISOCYANATE.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.25.61	Hexane,1,6-diisocyanato-, homopolymer (CAS No. 28182-81-2) and cyclohexane,5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-,homopolymer (CAS No. 53880-05-0) (provided for in subheading 3911.90.25)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 107748. CYANATE ESTER RESINS FOR HIGH-END ELEC-
6 TRONIC, AEROSPACE, AND INDUSTRIAL AP-
7 PPLICATIONS.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.25.62	Cyanic acid, C,C'-(1-methylethylidene)di-4,1-phenylene] ester, homopolymer (CAS No. 25722-66-1) (provided for in subheading 3911.90.45)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107749. POLYETHYLENEIMINE, COMPONENT USED IN
11 MANUFACTURING MEDICAL DEVICES.

12 Subchapter II of chapter 99 is amended by inserting
13 in numerical sequence the following new heading:

“	9902.25.63	Polyethylenimine (CAS No. 9002-98-6), of a kind used as a component for further manufacturing into a finished medical device (provided for in subheading 3911.90.90) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107750. POLYHEXANIDE.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.25.64	Poly (hexamethylenebiguanide) hydrochloride (Polyhexanide) (CAS No. 32289-58-0) (provided for in subheading 3911.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107751. ETHYLENE-NORBORNENE COPOLYMER.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.25.65	Poly(ethylene-ran-(2-norbornene)), substantially amorphous, having a glass transition temperature less than 145 °C (CAS No. 26007-43-2) (provided for in subheading 3911.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107752. CELLULOSE POWDER.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.25.66	Cellulose entirely spherical micro-spheres, each with mean particle size of 1 to 25 µm (CAS No. 9004-34-6) (provided for in subheading 3912.90.00)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107753. POLYMALTOTRIOSE.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.25.67	Poly[6- α -D-glucopyranosyl-(1->4)- α -D-glucopyranosyl-(1->4)- α -D-glucopyranosyl-(1->)] (Polymaltotriose) (CAS No. 9057-02-7) (provided for in subheading 3913.90.20)	1.3%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107754. CHITOSAN.

- 2 Subchapter II of chapter 99 is amended by inserting
- 3 in numerical sequence the following new heading:

“	9902.25.68	Chitosan (methyl N-[(2S,3R,4R,5S,6R)-5-[(2S,3R,4R,5S,6R)-3-amino-5-[(2S,3R,4R,5S,6R)-3-amino-5-[(2S,3R,4R,5S,6R)-3-amino-5-[(2S,3R,4R,5S,6R)-3-amino-4,5-dihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-4-hydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-4-hydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-4-hydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-4-hydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-4-hydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-2-[(2R,3S,4R,5R,6S)-5-amino-6-[(2R,3S,4R,5R,6R)-5-amino-4,6-dihydroxy-2-(hydroxymethyl)oxan-3-yl]oxy-4-hydroxy-2-(hydroxymethyl)oxan-3-yl]oxy-4-hydroxy-6-(hydroxymethyl)oxan-3-yl]carbamate) (CAS No. 9012-76-4) (provided for in subheading 3913.90.20)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107755. PLASTIC DRINKING STRAWS.

- 5 Subchapter II of chapter 99 is amended by inserting
- 6 in numerical sequence the following new heading:

“	9902.25.69	Drinking straws of plastics, each measuring 8 mm or more in outside diameter and 20 cm or more in length (provided for in subheading 3917.32.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107756. GARDEN HOSES.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.25.70	Garden hoses of plastics, constructed with a grade 304 stainless steel interlocking spiral band outer shell, flexible polyvinyl chloride (PVC) inner hose, having aluminum fittings with rubber grips, weighing not more than 2.8 kg, the foregoing whether or not presented with nozzle (provided for in subheading 3917.39.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107757. PLASTIC FITTINGS OF PERFLUOROALKOXY.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.25.71	Plastic fittings of perfluoroalkoxy (PFA), of a kind used principally with machines and apparatus for the manufacture of semi-conductors and flat panel displays of heading 8486 (provided for in subheading 3917.40.00, 3926.90.99 or 3923.50.00)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107758. LOW DENSITY POLYETHYLENE (LDPE) SHEET-
8 ING.

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.25.72	Low density sheeting of polyethylene, measuring in width 3,810 mm, gauge 0.15 mm and length 2,000 meters, translucent solid with waxy color as presented (provided for in subheading 3920.10.00)	3.1%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107759. BIAXIALLY ORIENTED DIELECTRIC POLY-**
 2 **PROPYLENE FILM.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.25.73	Biaxially oriented dielectric polypropylene film, produced from solvent-washed low ash content (less than 50 ppm) polymer resin (CAS No. 9003-07-0) (provided for in subheading 3920.20.00)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107760. BIAXIALLY ORIENTED POLYPROPYLENE**
 6 **(BOPP) CAPACITOR-GRADE FILM.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.25.74	Transparent coextruded biaxially oriented polypropylene film, capacitor-grade, presented in rolls of a width not exceeding 790 mm and of a thickness not exceeding 15 μ m (provided for in subheading 3920.20.00)	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 107761. POLYESTER CAPACITOR-GRADE FILM.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.25.75	Transparent coextruded biaxially oriented polyester film, capacitor-grade, presented in roll form, of a width not exceeding 790 mm and of a thickness not exceeding 15 μ m (provided for in subheading 3920.62.00)	Free	No change	No change	On or before 12/31/2023	”.
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12 **SEC. 107762. ACID FORM MEMBRANES.**

13 Subchapter II of chapter 99 is amended by inserting
 14 in numerical sequence the following new heading:

“	9902.25.76	Membranes of short side chain (Poly(tetrafluoroethylene-co-perfluoro(3-oxa-4-pentenesulfonic acid)) (CAS No. 1163733-25-2) (provided for in subheading 3920.99.20)	4.1%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107763. MELAMINE RESIN FOAM.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.25.77	Foam of thermoset melamine resin, measuring 1,250 mm or more in width, 500 mm in height and 1,300 mm or more but not more than 3,100 mm in length, with a density not less than 4 and not more than 11 kg/m ³ per EN ISO 845 specimen size 250 mm ³ (provided for in subheading 3921.19.00)	5.4%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107764. INFANT BATHTUBS AND BASINS, OF PLASTICS.

5 Subchapter II of chapter 99 is amended by inserting

6 in numerical sequence the following new heading:

“	9902.25.78	Infant bathtubs and wash-basins of plastics, each measuring not over 70 cm in length, 48 cm in width and 29 cm in height (provided for in subheading 3922.10.00) ...	3.4%	No change	No change	On or before 12/31/2023	”.
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**7 SEC. 107765. BOXES, CASES, CRATES, AND SIMILAR ARTI-
8 CLES OF PLASTICS.**

9 Subchapter II of chapter 99 is amended by inserting

10 in numerical sequence the following new heading:

“	9902.25.79	Boxes, cases, crates and similar articles of plastics (provided for in subheading 3923.10.90), the foregoing specially shaped or fitted for the conveyance of lithography machines, apparatus or parts thereof for the manufacture of semiconductor devices or of electronic integrated circuits of subheading 8486.20.00 or 8486.90.00	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107766. NOZZLES, BLACK, OF POLYPROPYLENE.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.25.80	Nozzles of polypropylene, black in color, each measuring 4.5 mm in inside diameter, with an outer diameter of 29 mm and a height of 39.2 mm (provided for in subheading 3923.10.90)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107767. TIP/CAP COMBINATIONS OF POLYETHYLENE.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.25.81	Tips of low density polyethylene, each measuring 19.1 mm in height, with outer diameter of 18.4 mm, of a capacity of 20 ml and weighing not over 0.9 g; each such tip attached to a cap of high density polyethylene, measuring 16.2 mm, with outer diameter of 18.4 mm and weighing not over 1.3 g (provided for in subheading 3923.10.90)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107768. BOTTLES MADE OF LDPE.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.25.82	Bottles of low density polyethylene, each measuring 56 mm in height, having an outer diameter of 27 mm, with a bottle neck having an outer diameter of 16.2 mm, of a capacity of 20 ml, weighing not over 4 g (provided for in subheading 3923.30.00) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107769. PLASTIC NASAL IRRIGATOR CAPS FOR NETI**
 2 **POTS.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.25.83	Nasal irrigator caps of plastics, designed for use on ceramic neti pots (provided for in subheading 3923.50.00) ...	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107770. TOY CHARACTER BOTTLE TOPPERS.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.25.84	Three-dimensional (3D) toy character bottle toppers of plastics, each consisting of a threaded bottle cap, a straw-like sipper and a 3D children’s toy character from children’s movies or television programs, having a diameter of at least 32 mm (provided for in subheading 3923.50.00)	2.8%	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 107771. MELAMINE PLATTERS, OTHER THAN THOSE**
 9 **PRESENTED IN SETS.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.25.85	Melamine platters, other than those presented in sets (provided for in subheading 3924.10.20)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107772. MELAMINE PLATES, OTHER THAN THOSE PRE-**
 2 **SENTED IN SETS.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.25.86	Melamine plates, other than those presented in sets (provided for in subheading 3924.10.20)	0.8%	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107773. MELAMINE BOWLS NOT PRESENTED IN SETS.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.25.87	Melamine bowls, not presented in sets (provided for in subheading 3924.10.20)	0.8%	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 107774. MELAMINE TRAYS NOT PRESENTED IN SETS.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.25.88	Melamine trays, the foregoing other than those presented in sets (provided for in subheading 3924.10.30)	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 107775. PLASTIC MEASURING CUPS AND SPOONS IN**
 12 **SETS.**

13 Subchapter II of chapter 99 is amended by inserting
 14 in numerical sequence the following new heading:

“	9902.25.89	Measuring cups, spoons, or combinations thereof, the foregoing of plastics, designed for table or kitchen use to measure ingredients, such goods presented in sets each containing from 4 to 12 pieces (provided for in subheading 3924.10.40)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107776. LIQUID MEASURING CUPS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.25.90	Household kitchen measuring tools, of plastics, designed to be used for liquid ingredients, such goods with measuring size not exceeding 1 liter (provided for in subheading 3924.10.40)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107777. SELF-ANCHORING BEVERAGE CONTAINERS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.25.91	Self-anchoring beverage containers of plastics, each with a base made from orange silicone, such base measuring no more than 60.4 mm (provided for in subheading 3924.10.40)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107778. PVC INFANT BATHTUB MATS.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.25.92	Polyvinylchloride (PVC) infant bathtub mats, whale-shaped, each with non-slip surface, drainage-allowing perforations and suction cups on the bottom surface, of a length less than 76.2 cm and not over 39.4 cm in width (provided for in subheading 3924.90.10)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107779. REVERSIBLE PLAYMATS.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.25.93	Printed, cushioned mats, each with core of polyurethane foam and outer layer of thermoplastic polyurethane film, measuring approximately 218.4 cm by 132.1 cm and 11.5 mm in thickness when unrolled (provided for in subheading 3924.90.10)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107780. HANGERS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.25.95	Molded plastic hangers of a width not exceeding 6.35 mm, coated or covered with a velvet-like, textile flocking material and incorporating a metal hook (provided for in subheading 3924.90.56)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107781. INFANT BATH RINSING CUPS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.25.96	Infant bath rinsing cups, of polypropylene plastics, each with interior fins and with a soft thermoplastic rubber lip designed to keep water from infant’s forehead; not containing bisphenol A (BPA), polyvinyl chloride (PVC) and phthalate (provided for in subheading 3924.90.56)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107782. BATHTUB SPOUT COVERS.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.25.97	Whale-shaped adjustable bathtub spout covers, of thermoplastic materials (provided for in subheading 3924.90.56)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107783. INFANT TEETHERS.**

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.25.98	Infant teethers of silicone, each measuring not over 10 cm by 10 cm, weighing over 0.05 kg and containing a silicone-encased disk of stainless steel (provided for in subheading 3924.90.56)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 107784. LIGHTED DOG FETCH TOYS.**

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.25.99	Molded balls of thermoplastic rubber, with encased light-emitting diode (LED) lights, each battery-operated, measuring 64 mm in diameter, with a hardness of 40 Shore A per ASTM D2240 (provided for in subheading 3924.90.56)	Free	No change	No change	On or before 12/31/2023	”.
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7 **SEC. 107785. CERTAIN THERMOPLASTIC NYLON 3-GANG**
8 **SWITCH WALLPLATES.**

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.26.01	Thermoplastic nylon 3-gang switch wallplates, each measuring approximately 17.14 cm by 12.4 cm (provided for in subheading 3925.90.00) ...	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 107786. MANUAL PLASTIC DISPOSABLE CUTLERY DIS-**
12 **PENSERS.**

13 Subchapter II of chapter 99 is amended by inserting
14 in numerical sequence the following new heading:

“	9902.26.02	Dispensers designed to contain and release pieces of disposable cutlery of plastics, manually operated, each dispenser with press lever single-dispensing operation and designed to hold banded cartridges of same-branded (only) disposable cutlery, such dispensers designed to be wall mounted (provided for in subheading 3925.90.00) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107787. EAR BULB SYRINGES OF CLEAR SILICONE.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.26.03	Ear bulb syringes, each with tip and bulb of clear silicone and with polystyrene ring connector (provided for in subheading 3926.90.21)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107788. PVC INFLATABLE PILLOWS.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.26.04	Inflatable travel pillows of flexible polyvinyl chloride, the exterior of which may be flocked, each with a valve for inflation, such pillows measuring between 60 cm and 70 cm in length and 15 cm to 25 cm in width and weighing between 150 g and 190 g, the foregoing presented with an attached nylon flat cord measuring between 75 cm to 80 cm in length and 1 cm to 1.5 cm in width, and which may each have a cover of polyester (provided for in subheading 3926.90.75)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107789. SELF-INFLATABLE QUEEN AIR MATTRESSES.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.26.05	Pneumatic air mattresses of polyvinyl chloride, each with a flocced surface and built-in 120 V electric pump, measuring approximately 205.7 cm by 157.5 cm by 54.6 cm, weighing 11.3 kg and valued \$34 or more but not over \$40 (provided for in subheading 3926.90.75)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107790. PLASTIC CLIP FASTENERS.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.26.06	Fasteners of nylon or of polypropylene, with a filament length of 2.5 mm or more but not over 127 mm, presented on clips each holding the quantity of 25, 50, 100 or 120 pieces, suitable for use in a mechanical attaching device (provided for in subheading 3926.90.85)	3.6%	No change	No change	On or before 12/31/2023	”.
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**4 SEC. 107791. SELF-VENTING SPOUTS FOR DIESEL EXHAUST
5 FLUID.**

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.26.07	Self-venting spouts or nozzles, threaded for connection to plastic containers on one end and fitted for connection to diesel exhaust fluid (DEF) tanks of diesel motor vehicles on the other, the foregoing presented without the containers (provided for in subheading 3926.90.99)	Free	No change	No change	On or before 12/31/2023	”.
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8 SEC. 107792. PLASTIC PET CARRIERS.

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.26.08	Carrying cases of hard plastics, each with handle and door of plastics and with no door of metal, the foregoing designed for use for reptiles or amphibians and not for the housing or transport of mammals, measuring not over 381 mm on any side (provided for in subheading 3926.90.99)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107793. PLASTIC MIXING TIPS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.26.09	Plastic mixing tips, each consisting of a mixer housing, mixing elements and a retaining ring, each designed for use as a disposable mixing tip for two-part chemistries in the dental industry (provided for in subheading 3926.90.99)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107794. CABLE TIES OF PLASTICS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.26.10	Cable ties of nylon, measuring 20 cm or more but not more than 61 cm in length, sold in packs each containing not over 100 pieces and valued not over \$1 per pack (provided for in subheading 3926.90.99)	3.8%	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107795. FLEXIBLE CAMERA MOUNTINGS.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.26.11	Camera mounts of plastics, each with an elongated, segmented plastic neck composed of 6 to 8 ball joints, incorporating a base that clips into other types of mounts, engineered to mount cameras of subheading 8525.80.40 (provided for in subheading 3926.90.99)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107796. THREE-PIECE CAMERA MOUNT SETS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.26.12	Sets each containing three camera mounts of plastics, such mounts designed for cameras of subheading 8525.80.40; with each set containing one mount incorporating an adjustable head-strap designed to encircle the forehead, one mount buoyant in water incorporating a handle designed to allow a user to grip with the hand and one mount in the form of a clip (provided for in subheading 3926.90.99)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107797. MAGNETIC SWIVEL CLIPS FOR CAMERAS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.26.13	Camera mounts of plastics, designed to hold cameras of subheading 8525.80.40, each mount incorporating a clip and magnetic base, capable of rotating the camera 360 degrees on a plane (provided for in subheading 3926.90.99)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107798. HELMET CAMERA MOUNTS.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.26.14	Camera mounts of plastics, each designed to attach camera of subheading 8525.80.40 securely onto the front or side of a helmet (provided for in subheading 3926.90.99) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107799. SHORT EXTENSION POLES FOR USE WITH CAM-
2 ERAS.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.26.15	Extension poles of plastics, designed for use with cameras of subheading 8525.80.40; such poles not buoyant in water, each having an adjustable length greater than 11 cm and less than 23 cm and incorporating a collapsible tripod handle (provided for in subheading 3926.90.99)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 107800. LONG EXTENSION POLES FOR CAMERAS.

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.26.16	Extension poles of plastics, designed for use with cameras of subheading 8525.80.40; such poles not buoyant in water and without folding extension arms, each pole having an adjustable length between 23 cm and 56 cm and incorporating a collapsible tripod handle (provided for in subheading 3926.90.99)	Free	No change	No change	On or before 12/31/2023	”.
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8 SEC. 107801. SWIVEL MOUNTS FOR CAMERAS.

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.26.17	Camera mounts of plastics, designed to hold cameras of subheading 8525.80.40, each mount containing a ball joint and capable of swiveling the camera 360 degrees without detaching the mount (provided for in subheading 3926.90.99)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107802. TRIPOD CAMERA MOUNTS.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.26.18	Camera mounts of plastics, each designed to attach a camera of subheading 8525.80.40 securely onto a tripod (provided for in subheading 3926.90.99)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107803. BULK HYDRAULIC HOSES.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.26.19	Bulk hoses of vulcanized rubber, reinforced with metal, without fittings, designed for hydraulic use (provided for in subheading 4009.21.00)	1.6%	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107804. BRAKE HYDRAULIC HOSES.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.26.20	Brake hoses, with fittings, for the vehicles of subheading 8701.20 or headings 8702, 8703, 8704, 8705 or 8711, such hoses reinforced or otherwise combined only with textile materials (provided for in subheading 4009.32.00) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107805. BULK FABRIC/METAL-REINFORCED RUBBER**
 2 **HOSES.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.26.21	Hoses of vulcanized rubber (other than hard rubber), reinforced with both textile materials and metal, without fittings, presented in bulk and designed for hydraulic use (provided for in subheading 4009.41.00)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107806. DISPOSABLE GLOVES.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.26.22	Seamless disposable gloves of vulcanized rubber other than hard rubber, designed for household use, such gloves other than surgical or medical gloves (provided for in subheading 4015.19.10)	1.5%	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 107807. REUSABLE GLOVES.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.26.23	Household reusable seamless gloves, of vulcanized rubber other than hard rubber (provided for in subheading 4015.19.10)	1.2%	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 107808. DOG AND CAT APPAREL.**

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.26.24	Articles of pet apparel, excluding life jackets for pets and pet apparel with attached or built-in collars or harnesses; such articles put up for retail sale (provided for in subheading 4201.00.60)	1%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107809. POLYCARBONATE VANITY CASES.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.26.25	Hard-sided polycarbonate vanity cases with zipper closure, such cases measuring 13 cm (including hinge) in width, 18.2 cm (including top ring) in height, at least 7 cm but not over 7.6 cm deep, each case weighing 167.26 grams or more but not over 184.27 grams (provided for in subheading 4202.12.21) ...	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107810. ALUMINUM VANITY CASES.

5 Subchapter II of chapter 99 is amended by inserting

6 in numerical sequence the following new heading:

“	9902.26.26	Hard-sided vanity cases of aluminum, such cases with latch closure and measuring 13.8 cm in width (including hinge and latch), 18.2 cm in height (including top ring) and at least 7.5 cm but not over 7.6 cm in depth; the foregoing weighing at least 240.97 grams but not over 297.67 grams each (provided for in subheading 4202.19.00)	Free	No change	No change	On or before 12/31/2023	”.
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**7 SEC. 107811. SUITCASES WITH OUTER SURFACE OF ALU-
8 MINUM WITH BUILT-IN ZIPPER LOCKS.**

9 Subchapter II of chapter 99 is amended by inserting

10 in numerical sequence the following new heading:

“	9902.26.27	Suitcases with outer surface of aluminum, with 4 wheels, at least 1 handle, with built-in zipper locks of a type compliant with standards of the Transportation Security Administration keyed for opening with a universal master tool made and patented in the United States, the first side of the locks measuring 3.73 cm or more but not over 17.78 cm, the second side of the locks measuring 1.77 cm or more but not over 7.72 cm and the third side of the locks measuring 1.06 cm or more but not over 3.97 cm (provided for in subheading 4202.19.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107812. LAMINATED RECYCLED REUSABLE SHOPPING

2 TOTE BAGS.

3 Subchapter II of chapter 99 is amended by inserting

4 in numerical sequence the following new heading:

“	9902.26.29	Shopping tote bags made from laminated 100 percent recycled PET fabric made from recycled plastic bottles, each bag having a width of 38.1 cm and shoulder straps with a length of 59.69 cm (provided for in subheading 4202.92.31)	12.7%	No change	No change	On or before 12/31/2023	”.
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5 SEC. 107813. REUSABLE SHOPPING STYLE TOTE BAGS.

6 Subchapter II of chapter 99 is amended by inserting

7 in numerical sequence the following new heading:

“	9902.26.31	Reusable shopping-style tote bags of plastic, each with handles, load capacity not over 13.61 kg and measuring at least 43.18 cm but not over 63.5 cm in width, at least 38.1 cm but not over 50.8 cm in height and 19.94 cm but not over 23.5 cm in depth (provided for in subheading 4202.92.45), the foregoing other than of woven man-made fiber fabric visibly coated on the outer surface with plastics	6.9%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107814. WATERPROOF TOTE BAGS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.26.32	Waterproof tote bags of woven man-made fiber fabric visibly coated on the outer surface with plastics, each bag with welded seams, two or more adjustable handles, a reinforced bottom, and with a toothless plastic fully watertight zipper on both the primary compartment and the side pocket (provided for in subheading 4202.92.45)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107815. WATERPROOF DUFFLE BAGS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.26.33	Waterproof duffle bags of woven man-made fiber fabric visibly coated on the outer surface with plastics, each with welded seams, a toothless plastic fully watertight zipper, a reinforced bottom and a separate watertight zippered compartment at the bottom (provided for in subheading 4202.92.45)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107816. WATERPROOF ZIPPERED BAGS, WITHOUT HAN-
8 DLES, OF PLASTIC SHEETING.

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.26.34	Waterproof bags of clear thermoplastic polyurethane (TPU) film and woven man-made fiber fabric visibly coated on the outer surface with plastics, each with welded seams and incorporating a toothless plastic fully watertight zipper closure; such bags measuring not over 26.2 cm wide, 27.0 cm high and 8.2 cm deep (provided for in subheading 4202.92.45), the foregoing without handles	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107817. WATERPROOF BACKPACKS.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.26.35	Waterproof backpacks of woven man-made fiber fabric visibly coated on the outer surface with plastics, each with welded seams, a toothless plastic fully watertight zipper and a reinforced bottom, the foregoing not presented with a detachable front pouch having its own shoulder strap (provided for in subheading 4202.92.45) ...	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107818. WATERPROOF WAIST PACKS.

5 Subchapter II of chapter 99 is amended by inserting

6 in numerical sequence the following new heading:

“	9902.26.36	Waterproof waist packs of woven man-made fiber fabric visibly coated on the outer surface with plastics, each with welded seams and toothless plastic fully watertight zipper and adjustable waist strap (provided for in subheading 4202.92.45)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107819. GUITAR CASES.

8 Subchapter II of chapter 99 is amended by inserting

9 in numerical sequence the following new heading:

“	9902.26.37	Guitar cases, each having a guitar-shaped (not rectangular) exterior, a polyester plush interior lining and a single carrying handle, such handle with a covering of a kind known as Tolex; the foregoing cases made from plywood covered with sheeting of plastics and incorporating 4 or 5 metal locking clasps and valued over \$40 but not over \$60 each (provided for in subheading 4202.92.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107820. JEWELRY BOXES.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.26.38	Jewelry boxes constructed of medium density fiberboard (MDF) covered with sheeting of plastics on the outer surface, each box with an embossed design covering more than 50 percent of the exterior and incorporating one exterior window through which the jewelry can be viewed, the foregoing with compartmentalized interior sections lined with velvet (provided for in subheading 4202.92.97)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107821. SILICONE RUBBER CAMERA CASES WITH
5 STRAPS.

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.26.39	Camera cases of silicone rubber, designed to hold cameras of subheading 8525.80.40, each case containing openings for the operation of the camera and an adjustable nylon strap and measuring not more than 52 mm in height, 76 mm in width and 29 mm in depth (provided for in subheading 4202.99.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107822. LEATHER GLOVES WITH FLIP MITTS FOR
2 HUNTING.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.26.40	Full-fingered gloves, each with a palm side of leather and a back side comprising a camouflage-printed knitted fabric wholly of polyester and laminated to expanded polytetrafluoroethylene (EPTFE), such gloves with insulation comprising 40 percent by weight of synthetic microfiber and 60 percent by weight of duck down; each having a mitt sewn to the back of the glove as a flap, with leather tips for each finger and thumb designed to improve grip, such mitt designed to cover the fingers for additional warmth; the foregoing gloves designed for use in the sport of hunting (provided for in subheading 4203.21.80)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 107823. MEN’S LEATHER GLOVES VALUED AT \$18 OR
6 MORE PER PAIR.

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.26.41	Men’s full-fingered gloves with a palm side of leather and a backside of woven fabric comprising 89 percent or more but not over 95 percent by weight of man-made fibers and 5 percent or more but not over 11 percent by weight of elastomeric fibers, such fabric fully lined with a waterproof membrane; such gloves stuffed with synthetic microfiber for thermal insulation, with elasticized wrist and valued at \$18 or more/pr; the foregoing other than gloves specially designed for use in sports (provided for in subheading 4203.29.30)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107824. BELTS OF CALF SKIN.**

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.26.42	Belts of calf skin (provided for in subheading 4303.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 107825. BAMBOO ENGINEERED FLOORING: 12.5–12.9 MM**
 5 **THICK.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.26.43	Plywood flooring with a face ply of bamboo (<i>Phyllostachys pubescens</i>), such face ply measuring less than 4 mm in thickness; each flooring panel measuring at least 12.5 mm but not over 12.9 mm in thickness and at least 125.0 mm but not over 230.6 mm in width (provided for in subheading 4412.10.05)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 107826. BAMBOO ENGINEERED FLOORING: 14.1–14.5 MM**
 9 **THICK.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.26.44	Plywood flooring with a face ply of bamboo (<i>Phyllostachys pubescens</i>), such face ply measuring less than 4 mm in thickness; each flooring panel measuring at least 14.1 mm but not over 14.5 mm in thickness and at least 125.0 mm but not over 230.6 mm in width (provided for in subheading 4412.10.05)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107827. BAMBOO ENGINEERED FLOORING: 15.7–16.1 MM**

2 **THICK.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.26.45	Plywood flooring with a face ply of bamboo (<i>Phyllostachys pubescens</i>), such face ply measuring less than 4 mm; each flooring panel measuring at least 15.7 mm but not over 16.1 mm in thickness and at least 125.0 mm but not over 230.6 mm in width (provided for in subheading 4412.10.05)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107828. STRAND BAMBOO FLOORING: 12.5–12.9 MM**

6 **THICK.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.26.46	Strand bamboo (<i>Phyllostachys pubescens</i>) flooring, tongued and grooved, continuously shaped along any of its ends, surface covered with a clear or transparent material which does not obscure the grain, texture or markings of the face ply, such flooring measuring at least 12.5 mm but not over 12.9 mm in thickness and at least 126.8 mm but not over 127.2 mm in width (provided for in subheading 4418.91.90)	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 107829. STRAND BAMBOO FLOORING: 14.1–14.5 MM**

10 **THICK.**

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.26.47	Strand bamboo (Phyllostachys pubescens) flooring, tongued and grooved, continuously shaped along any of its ends, surface covered with a clear or trans- parent material which does not obscure the grain, texture or markings of the face ply, such flooring measuring at least 14.1 mm but not over 14.5 mm in thickness and at least 126.8 mm but not over 127.2 mm in width (provided for in subheading 4418.91.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107830. STRAND BAMBOO FLOORING: 10.9–11.3 MM

2 THICK.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.26.48	Strand bamboo (Phyllostachys pubescens) flooring, tongued and grooved, continuously shaped along any of its ends, surface covered with a clear or trans- parent material which does not obscure the grain, texture or markings of the face ply, such flooring measuring at least 10.9 mm but not over 11.3 mm in thickness and at least 126.8 mm but not over 127.2 mm in width (provided for in subheading 4418.91.90)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 107831. CHOPSTICKS MADE OF BAMBOO.

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.26.49	Bamboo chopsticks (provided for in subheading 4419.12.00)	0.7%	No change	No change	On or before 12/31/2023	”.
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8 SEC. 107832. DRYING RACKS OF WOOD.

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.26.50	Drying racks of wood designed to mount on the wall and fold up accordion style, the foregoing used for drying delicate clothing (provided for in subheading 4420.90.80) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107833. BAMBOO SKEWERS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.26.51	Skewers or sticks made of bamboo, the foregoing not over 31 cm in length (provided for in subheading 4421.91.60)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107834. WOOD BLINDS WITH LOUVERED SLATS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.26.52	Wood blinds with louvered boards (provided for in subheading 4421.99.40)	Free	No change	No change	On or before 12/31/2023	”.
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**7 SEC. 107835. 100 PERCENT COTTON WOVEN CRIMPED UN-
 8 BLEACHED FABRIC.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.26.53	Woven fabrics wholly of cotton, unbleached, crimped, with yarn number between 43 and 68, presented folded into 3 layers, measuring less than 84 cm wide before folding and less than 28 cm wide after folding; weighing less than 25 g/m ² before folding and less than 75 g/m ² after folding (measuring 3 layers at once); piece length less than 76 cm; put up layered on rolls of up to 200 pieces per roll, with edges not attached in any way, such fabric easily unfolded (provided for in subheading 5208.11.40)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107836. WOVEN FABRICS OF COTTON, CONTAINING 85**
 2 **PERCENT OR MORE BY WEIGHT OF COTTON,**
 3 **NOT MORE THAN 200 GRAMS PER SQUARE**
 4 **METER.**

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.26.54	Woven fabrics of cotton, containing 85 percent or more by weight of cotton, weighing not more than 200 g/m ² , unbleached, satin weave or twill weave, 256 cm or greater in width; such fabrics having a thread count exceeding 200 or an average yarn number exceeding 68 (provided for in subheading 5208.19.20)	Free	No change	No change	On or before 12/31/2023	”.
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7 **SEC. 107837. 100 PERCENT COTTON WOVEN BLEACHED FAB-**
 8 **RIC PIECES, OPEN WEAVE.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.26.56	Fabrics wholly of cotton, bleached, open weave, average yarn number between 43 and 68 metric, weighing less than 60 g/m ² ; presented folded in layers ranging in number from 2 to 16 layers, in pieces on rolls or stacked in a box, or on bolts, or continuous length on large rolls; measuring 89 cm to 92 cm in width before folding, folded widths between 22 cm and 42 cm in width, lengths vary depending upon packaging but ranging from 22 cm to 950 m (provided for in subheading 5208.21.40)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107838. INCONTINENCE UNDERPAD FABRICS OF COT-**
 2 **TON.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.26.57	Woven fabrics wholly of cotton, bleached, twill weave, of single ply yarns, weighing between 132 and 140 g/m ² , measuring 182 to 194 cm in width, with 286 and 304 decitex in the warp and between 358 and 380 decitex in the filling, with 25 to 27 yarns per cm in the warp and 16 to 18 yarns per cm in the filling (provided for in sub-heading 5208.29.20)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107839. WOVEN FABRICS OF COTTON WITH AN AVER-**
 6 **AGE YARN NUMBER BETWEEN 55 AND 60.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.26.58	Woven fabrics of cotton, containing over 50 percent but less than 85 percent by weight of cotton, mixed mainly with man-made fibers, weighing not more than 200 g/m ² , unbleached, plain weave, in widths of 305 cm or greater; such fabrics having an average yarn number exceeding 55 but not exceeding 60 (provided for in sub-heading 5210.11.60)	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 107840. WOVEN FABRIC OF COTTON OF YARN NUMBER**
 10 **69 OR HIGHER.**

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.26.59	Woven fabrics of cotton, containing over 50 percent but less than 85 percent by weight of cotton, mixed mainly with man-made fibers, weighing not more than 200 g/m ² , unbleached, plain weave, of yarn number 69 or higher number, in widths of 226 cm or greater (provided for in subheading 5210.11.80)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107841. WOVEN FABRICS OF COTTON WITH AN AVERAGE
2 YARN NUMBER EXCEEDING 68.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.26.60	Woven fabric of cotton, containing over 50 percent but less than 85 percent by weight of cotton, mixed solely with man-made fibers, weighing not more than 200 g/m ² , unbleached, satin weave or twill weave, other than 3-thread or 4-thread twill or cross twill, in widths of 226 cm or greater; such fabrics having an average yarn number exceeding 68 (provided for in subheading 5210.19.20)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 107842. INCONTINENCE UNDERPAD FABRICS, COTTON,
6 PLAIN WEAVE, OF YARN NUMBER 42 OR
7 LOWER.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.26.61	Woven fabrics of cotton, of yarn number 42 or lower, containing by weight 77 percent to 83 percent of cotton and 17 percent to 23 percent of polyester, bleached, plain weave, weighing 165 to 175 g/m ² , measuring 182 to 194 cm in width, constructed with single ply yarns with 239 to 253 decitex in the warp and with two ply yarns of 573 to 609 decitex in the filling, 19 to 21 yarns per cm in the warp and 9 to 11 single yarns per cm in the filling (provided for in subheading 5210.21.40)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107843. INCONTINENCE UNDERPAD FABRICS, COTTON,**
 2 **PLAIN WEAVE, OF YARN NUMBER BETWEEN**
 3 **43 AND 68.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.26.62	Woven fabrics of cotton, of yarn numbers 43 to 68, such fabrics containing by weight 51 percent to 55 percent of cotton and 45 percent to 49 percent of polyester, bleached, plain weave of single ply yarns, weighing 99 to 105 g/m ² , measuring 182 to 194 cm in width, with 184 to 196 decitex in the warp and filling, 29 to 31 yarns per cm in the warp and 19 to 21 yarns per cm in the filling (provided for in subheading 5210.21.60)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 107844. INCONTINENCE UNDERPAD FABRICS,**
 7 **BLEACHED.**

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.26.63	Woven fabrics of cotton, 3-thread or 4-thread twill, containing by weight 51 percent to 55 percent of cotton and 45 percent to 49 percent of polyester, bleached, of single ply yarns, weighing 132 to 140 g/m ² , measuring 182 to 194 cm in width, with 162 to 172 decitex in the warp and 358 to 380 decitex in the filling, 29 to 31 yarns per cm in the warp and 21 to 23 yarns per cm in the filling (provided for in subheading 5210.29.10)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107845. INCONTINENCE UNDERPAD FABRICS, PRINT-
2 ED.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.26.64	Woven fabrics of cotton, 3-thread or 4-thread twill, containing by weight 51 percent to 55 percent of cotton and 45 percent to 49 percent of polyester, printed, made from single ply yarns, weighing 132 to 140 g/m ² , measuring 182 to 194 cm in width, with 162 to 172 decitex in the warp and 358 to 380 decitex in the filling, 29 to 31 yarns per cm the warp and 21 to 23 yarns per cm in the filling (provided for in subheading 5210.59.10)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 107846. UNTWISTED FILAMENT POLYVINYL ALCOHOL
6 YARN, MEASURING 1,100 TO 1,330 DECITEX.

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.26.65	Synthetic (polyvinyl alcohol) filament yarn, untwisted, measuring from 1,100 to 1,330 decitex and consisting of 200 filaments (provided for in subheading 5402.49.91)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107847. UNTWISTED FILAMENT POLYVINYL ALCOHOL**
 2 **YARN.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.26.66	Synthetic (polyvinyl alcohol) filament yarn, untwisted, measuring 1,330 to 2,070 decitex and consisting of between 600 and 1000 filaments (provided for in subheading 5402.49.91)	0.5%	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107848. POLYPROPYLENE (PP) MONOFILAMENT.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.26.67	Synthetic monofilament of polypropylene, of 67 decitex or more and of which no cross-sectional dimension exceeds 1 mm (provided for in subheading 5404.12.90)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 107849. ACRYLIC FIBER TOW WITH AN AVERAGE**
 9 **DECITEX OF 0.9.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.26.68	Acrylic filament tow containing at least 85 percent but not more than 94 percent by weight of acrylonitrile units and 1 percent or more but not over 4 percent of water, raw white (undyed), crimped, with an average decitex of 0.9 (plus or minus 10 percent) and an aggregate filament measure in the tow bundle between 660,000 and 1,300,000 decitex, with a length greater than 2 m (provided for in subheading 5501.30.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107850. BLACK POLYESTER BI-COMPONENT FIBERS.**

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.26.71	Synthetic staple fibers, not carded, combed or otherwise processed for spinning, the foregoing comprising black polyester bi-component fibers measuring between 4.4 and 6.7 decitex and with fiber length between 50 and 51 mm; having an outer copolymer sheath that melts at a lower temperature than the core; the foregoing of a kind used for bonding fibers together (provided for in sub-heading 5503.20.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 107851. ACRYLIC STAPLE FIBERS WITH AN AVERAGE**
 5 **DECITEX OF 2.2, FIBER LENGTH OF 100 MM.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.26.72	Acrylic staple fibers containing at least 85 percent by weight of acrylonitrile units and 2 percent or more but not over 3 percent of water, raw white (undyed), crimped, with an average decitex of 2.2 (plus or minus 10 percent) and fiber length of 100 mm (plus or minus 10 percent) (provided for in sub-heading 5503.30.00)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 107852. MODACRYLIC STAPLE FIBERS NOT PROC-**
 9 **ESSED FOR SPINNING.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.26.73	Modacrylic staple fibers containing 35 percent or more but not over 85 percent by weight of acrylonitrile units and 1 percent or more but not over 3 percent of water, pigmented, crimped, with an average decitex between 1.9 and 3.3 (plus or minus 10 percent) and a fiber length between 45 and 51 mm (plus or minus 10 percent) (provided for in subheading 5503.30.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107853. SHORT POLYPROPYLENE FIBERS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.26.74	Polypropylene fibers, 6.66 decitex, with a fiber length of 0.5 mm (provided for in subheading 5503.40.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107854. POLYOXADIAZOLE FIBERS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.26.75	Synthetic staple fibers of polyoxadiazole, not carded, combed or otherwise processed for spinning, measuring between 1 and 2 decitex and with fiber length between 38 mm and 51 mm (provided for in subheading 5503.90.90) ...	Free	No change	No change	On or before 12/31/2023	”.
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**7 SEC. 107855. ARTIFICIAL STAPLE FIBERS OF VISCOSE
 8 RAYON, 38–42 MM IN LENGTH.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.26.76	Artificial staple fibers of viscose rayon, not carded, combed or otherwise processed for spinning, each measuring 1.5 or more but not over 1.8 decitex and having a fiber length measuring 38 mm or more but not over 42 mm (provided for in subheading 5504.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107856. ARTIFICIAL FIBERS OF VISCOSE RAYON FOR**
 2 **THE MANUFACTURE OF FEMININE HYGIENE**
 3 **PRODUCTS.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.26.77	Artificial staple fibers of viscose rayon, not carded, combed or otherwise processed for spinning, each measuring 2.9 or more but not over 3.7 decitex and having a fiber length measuring 28 mm, the foregoing suitable for use in producing goods of heading 9619 (provided for in subheading 5504.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 107857. FLAME RETARDANT RAYON FIBERS, MEAS-**
 7 **URING 4.78 DECITEX.**

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.26.78	Artificial staple fibers of viscose rayon, not carded, combed or otherwise processed for spinning, containing 28 percent or more but not over 33 percent by weight of silica, measuring 4.78 decitex in lengths of 60 mm (provided for in subheading 5504.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107858. FLAME RETARDANT RAYON FIBERS, MEAS-**
 2 **URING 4.55 DECITEX.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.26.79	Artificial staple fibers of viscose rayon, not carded, combed or otherwise processed for spinning, containing 28 percent or more but not over 33 percent by weight of silica measuring 4.55 decitex in lengths of 60 mm (provided for in subheading 5504.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107859. FLAME RETARDANT RAYON FIBERS, MEAS-**
 6 **URING 4.4 DECITEX.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.26.80	Artificial staple fibers of viscose rayon, not carded, combed or otherwise processed for spinning, each containing 28 percent or more but not over 33 percent by weight of silica, measuring 4.4 decitex and 60 mm in length (provided for in subheading 5504.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 107860. OTHER FLAME RETARDANT RAYON FIBERS.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.26.81	Artificial staple fibers of viscose rayon, not carded, combed or otherwise processed for spinning and containing 28 percent or more but not over 33 percent by weight of silica (provided for in subheading 5504.10.00); the foregoing other than fibers measuring 2.2 decitex in lengths of 38 mm, measuring 4.7 decitex in lengths of 51 mm or measuring 3.3, 4.4, 4.55, 4.7, 4.78 or 5.0 decitex in lengths of 60 mm	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107861. CELLULOSIC MAN-MADE VISCOSE RAYON STA-**
 2 **PLE FIBERS, MEASURING 1.3–1.5 DECITEX.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.26.82	Artificial staple fibers of viscose rayon, not carded, combed or otherwise processed for spinning, measuring 1.3 decitex but not over 1.5 decitex and having a fiber length each measuring 20 mm or more but not over 150 mm (provided for in subheading 5504.10.00), the foregoing other than fibers with a length of 38 mm or more but not over 42 mm	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107862. VISCOSE RAYON STAPLE FIBERS, MEASURING**
 6 **1.5–1.67 DECITEX, WITH A FIBER LENGTH OF**
 7 **38–42 MM.**

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.26.83	Artificial staple fibers of viscose rayon, not carded, combed or otherwise processed for spinning, each measuring greater than 1.5 decitex but not over 1.67 decitex and having a fiber length measuring 20 mm or more but not over 150 mm (provided for in subheading 5504.10.00), the foregoing other than fibers with a length of 38 mm or more but not over 42 mm	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107863. CELLULOSIC MAN-MADE VISCOSE RAYON STA-
2 PLE FIBERS, MEASURING 1.67–2 DECITEX.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.26.84	Artificial staple fibers of viscose rayon, not carded, combed or otherwise processed for spinning, measuring greater than 1.67 decitex but not over 2 decitex and having a fiber length each measuring 20 mm or more but not over 150 mm (provided for in subheading 5504.10.00), the foregoing other than fibers with a length of 38 mm or more but not over 42 mm	0.6%	No change	No change	On or before 12/31/2023	”.
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5 SEC. 107864. VISCOSE RAYON STAPLE FIBERS, MEASURING
6 1–2 DECITEX, WITH A FIBER LENGTH OF 4–8
7 MM.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.26.85	Artificial staple fibers of viscose rayon, not carded, combed or otherwise processed for spinning, measuring 1 decitex or more but not over 2 decitex and having a fiber length each measuring 4 mm or more but less than 8 mm (provided for in subheading 5504.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107865. VISCOSE STAPLE FIBERS USED IN TEXTILE,**
 2 **MEDICAL, OR HYGIENE APPLICATIONS.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.26.86	Staple fibers of viscose rayon, not carded, combed or otherwise processed for spinning, measuring over 2 decitex but not over 3.3 decitex and having a fiber length each measuring over 55 mm or more but not over 60 mm (provided for in subheading 5504.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107866. VISCOSE RAYON STAPLE FIBERS, MEASURING**
 6 **1.51–2 DECITEX, WITH A FIBER LENGTH OF 8–**
 7 **16 MM.**

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.26.87	Artificial staple fibers of viscose rayon, not carded, combed or otherwise processed for spinning, measuring 1.51 decitex or more but not over 2.0 decitex and having a fiber length each measuring 8 mm or more but not over 16 mm (provided for in subheading 5504.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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10 **SEC. 107867. VISCOSE RAYON STAPLE FIBERS, MEASURING**
 11 **1–1.5 DECITEX, WITH A FIBER LENGTH OF 8–16**
 12 **MM.**

13 Subchapter II of chapter 99 is amended by inserting
 14 in numerical sequence the following new heading:

“	9902.26.88	Artificial staple fibers of viscose rayon, not carded, combed or otherwise processed for spinning, measuring 1 decitex or more but not over 1.5 decitex and having a fiber length each measuring 8 mm or more but not over 16 mm (provided for in subheading 5504.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107868. FLAME RETARDANT VISCOSE RAYON STAPLE**
 2 **FIBERS, WITH A DECITEX OF 4.7 MM AND A**
 3 **FIBER LENGTH OF 51–60 MM.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.26.89	Artificial staple fibers of viscose rayon, not carded, combed or otherwise processed for spinning, each measuring 4.7 decitex (plus or minus 10 percent) and having a fiber length measuring 51 mm but not over 60 mm (provided for in subheading 5504.10.00), the foregoing other than fibers containing 28 percent or more but not over 33 percent by weight of silica, measuring 4.7 decitex and 60 mm in length	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 107869. VISCOSE RAYON STAPLE FIBERS FOR**
 7 **NONWOVEN PRODUCTION.**

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.26.90	Staple fibers of viscose rayon, with decitex ranging from either 0.5 decitex to less than 0.9 decitex or greater than 2 decitex to 3.5 decitex, the foregoing with a fiber length of 25 mm to 55 mm (provided for in subheading 5504.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107870. BLACK VISCOSE RAYON STAPLE FIBERS.**

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.26.91	Artificial staple fibers, not carded, combed or otherwise processed for spinning, each black in color, having a decitex of 1.7 but not over 2, with cut length measuring 30 mm but not over 80 mm (provided for in subheading 5504.10.00), the foregoing other than fibers of 1.7 decitex or more but not over 1.8 decitex, with fiber length measuring 38 mm or more but not over 42 mm	Free	No change	No change	On or before 12/31/2023 ”.
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4 **SEC. 107871. ACRYLIC OR MODACRYLIC STAPLE FIBERS**
 5 **WITH A DECITEX OF 3-5.6.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.26.92	Acrylic or modacrylic staple fibers, carded, combed or otherwise processed for spinning, containing by weight 92 percent or more of polyacrylonitrile, not more than 0.1 percent of zinc and 2 percent or more but not over 8 percent of water, undyed, with an average decitex of 3 to 5.6 (provided for in subheading 5506.30.00)	Free	No change	No change	On or before 12/31/2023 ”.
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8 **SEC. 107872. MADE UP HAND-CAST STRING-DRAWN FISHING**
 9 **NETS.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.26.93	Made up hand-cast string-drawn fishing nets, of nylon monofilament, each with attached string or rope, incorporating a neoprene cuff and attachment for user's waistband belt (provided for in subheading 5608.11.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107873. KNITTED CARPETS CONTAINING 75 PERCENT**
2 **OR MORE OF COTTON, WITH A RUBBER BACK-**
3 **ING.**

4 Subchapter II of chapter 99 is amended by inserting
5 in numerical sequence the following new heading:

“	9902.26.94	Carpets and other textile floor coverings, knitted, made up, containing 75 percent or more by weight of cotton fibers, each with a rubber backing (provided for in subheading 5705.00.20)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 107874. KNITTED CARPETS CONTAINING 75 PERCENT**
7 **OR MORE BY WEIGHT OF POLYESTER, WITH A**
8 **RUBBER BACKING.**

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.26.95	Whether or not made up knitted carpets and other textile floor coverings, made up, containing 75 percent or more by weight of polyester fibers, each with a rubber backing (provided for in subheading 5705.00.20)	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 107875. FAUX LEATHER FABRICS.**

12 Subchapter II of chapter 99 is amended by inserting
13 in numerical sequence the following new heading:

“	9902.26.96	Fabrics of ‘faux leather’, polyurethane-coated, of man-made fibers, containing by weight 50 percent or more but not over 62 percent of polyurethane, 36 percent or more but not over 45 percent of man-made fibers and 2 percent or more but not over 5 percent of elastomeric fibers, for use in women’s apparel, weighing 330 to 360 g/m ² , measuring 132 cm to 137 cm in width (provided for in subheading 5903.20.25)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107876. GRASS CATCHER BAGS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.26.97	Grass catcher bags of man-made fiber fabric, used primarily with push lawn mowers, riding lawn mowers and chipper/shredder/vacuums (provided for in subheading 5911.90.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107877. OXYGENATION MEMBRANE CAPILLARY MATE-
5 RIAL.

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.26.98	Knitted or crocheted fabrics of polymethylpentene (PMP) oxygenation membrane capillary fibers, such fabrics consisting of PMP tubes arranged and secured in a knitted fabric of PMP (provided for in subheading 6003.30.60)	Free	No change	No change	On or before 12/31/2023	”.
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8 SEC. 107878. TEXTILE KNITTED FABRICS COMPOSED OF
9 MICROMODAL AND ELASTANE.

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.26.99	Knitted fabrics containing by weight 66 to 79 percent micromodal and 21 to 34 percent elastane, measuring over 30 cm in width, weighing 155 to 220 g/m ² , knitted with fine machine gauges of 44 to 50 (provided for in subheading 6004.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107879. TEXTILE TECHNICAL KNITTED FABRICS COM-
2 BINING TECHNICAL COTTON AND ELASTANE.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.27.01	Technical knitted fabrics containing by weight 71 percent technical cotton and 29 percent elastane, measuring 170 to 180 cm in width, weighing 160 to 200 g/m ² , valued at \$14.50 or more per linear meter (provided for in subheading 6004.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 107880. TEXTILE KNIT FABRICS OF MODAL, CASH-
6 MERE, AND SPANDEX.

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.27.02	Textile knitted fabric containing by weight 78 percent modal, 14 percent cashmere and 8 percent spandex, weighing 75 to 85 grams per square meter, with cuttable width of 130 to 140 cm, valued at not less than \$17 per linear meter as presented (provided for in subheading 6006.43.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107881. WOMEN’S AND GIRLS’ DRESSES, KNITTED OR**
 2 **CROCHETED, OF SYNTHETIC FIBERS IN-**
 3 **FUSED WITH MINERALS.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.27.05	Women’s and girls’ dresses, knitted or crocheted, of synthetic fibers infused with minerals including silicon dioxide, titanium dioxide or aluminum oxide ground to a size not greater than 1 micron, such dresses specially designed for the sport of competitive cheerleading (provided for in subheading 6104.43.20)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 107882. WOMEN’S AND GIRLS’ SKIRTS AND DIVIDED**
 7 **SKIRTS OF SYNTHETIC FIBERS INFUSED**
 8 **WITH MINERALS.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.27.06	Women’s and girls’ skirts and divided skirts of synthetic fibers infused with minerals including silicon dioxide, titanium dioxide or aluminum oxide ground to a size not greater than 1 micron, such skirts or divided skirts specially designed for the sport of competitive cheerleading (provided for in subheading 6104.53.20)	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 107883. WOMEN’S AND GIRLS’ KNIT CARDIGANS OR**
 12 **PULLOVERS CONTAINING 70 PERCENT OR**
 13 **MORE OF SILK.**

14 Subchapter II of chapter 99 is amended by inserting
 15 in numerical sequence the following new heading:

“	9902.27.09	Women’s or girls’ knitted or crocheted pullovers and cardigans, containing 70 percent or more by weight of silk or silk waste, each with more than 9 stitches/2 cm, measured in the direction the stitches were formed, and an average of less than 10 stitches/linear cm in each direction counted on an area measuring at least 10 cm by 10 cm, such apparel articles that reach the waist (provided for in subheading 6110.90.10)	Free	No change	No change	On or before 12/31/2023	”.
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**1 SEC. 107884. MEN’S AND BOYS’ KNIT CARDIGANS OR PULL-
2 OVERS OF LINEN.**

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.27.10	Men’s or boys’ knitted or crocheted pullovers and cardigans, of linen, each with more than 9 stitches/2 cm, measured in the direction the stitches were formed, and an average of less than 10 stitches/linear cm in each direction counted on an area measuring at least 10 cm by 10 cm, such apparel articles that reach the waist (provided for in subheading 6110.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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**5 SEC. 107885. BABIES’ KNIT SWEATERS, PULLOVERS,
6 SWEATSHIRTS, WAISTCOATS (VESTS), AND
7 CARDIGANS, OF ARTIFICIAL FIBERS.**

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.27.11	Babies’ knitted or crocheted sweaters, pullovers, sweatshirts, waistcoats (vests) and cardigans, the foregoing of artificial fibers and other than those imported as parts of sets (provided for in subheading 6111.90.40)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107886. WOMEN’S AND GIRLS’ TOPS, KNITTED OR CRO-**
 2 **CHETED, OF MAN-MADE FIBERS INFUSED**
 3 **WITH MINERALS.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.27.15	Women’s and girls’ tops, knitted or crocheted, of man-made fibers infused with minerals including silicon dioxide, titanium dioxide or aluminum oxide ground to a size not greater than 1 micron, such tops specially designed for the sport of competitive cheerleading (provided for in subheading 6114.30.10)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 107887. MEN’S AND BOY’S TOPS, KNITTED OR CRO-**
 7 **CHETED, OF MAN-MADE FIBERS INFUSED**
 8 **WITH MINERALS.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.27.16	Men’s and boy’s tops, knitted or crocheted, of man-made fibers infused with minerals including silicon dioxide, titanium dioxide or aluminum oxide ground to a size not greater than 1 micron, such tops specially designed for the sport of competitive cheerleading (provided for in subheading 6114.30.10)	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 107888. MEN’S 3 MM WETSUITS.**

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.27.17	Men’s full-body wetsuits, each made from three-layer fabric composed of a knitted outer layer of polyester and spandex bonded to a fleece knit pile inner layer of polyester and spandex with a center core of expanded rubber for its body, and a three-layer fabric composed of knitted inner and outer layers of polyester with a center core of expanded rubber for its sleeves, shoulders and lower legs, measuring no more than 3.4 mm in thickness in the torso, such wetsuits valued \$97 or more but not over \$130 each (provided for in subheading 6114.30.30)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107889. MEN’S 5.5 AND 6.5 MM WETSUITS.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.27.18	Men’s full-body wetsuits, each made from three-layer fabric composed of a knitted outer layer of polyester and spandex bonded to a fleece knit pile inner layer of polyester and spandex with a center core of expanded rubber for its body, and a three-layer fabric composed of knitted inner and outer layers of polyester with a center core of expanded rubber for its sleeves, shoulders and lower legs, measuring 5.1 mm or more but not over 7 mm in thickness in the torso, such wetsuits valued \$120 or more but not over \$175 each (provided for in subheading 6114.30.30)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107890. MEN’S 3.5 MM WETSUITS.

5 Subchapter II of chapter 99 is amended by inserting

6 in numerical sequence the following new heading:

“	9902.27.19	Men’s full-body wetsuits, made from three-layer fabric composed of a knitted outer layer of polyester and spandex bonded to a fleece knitted pile inner layer of polyester and spandex with a center core of expanded rubber for its body, and a three-layer fabric composed of knitted inner and outer layers of polyester with a center core of expanded rubber for its sleeves, shoulders and lower legs, measuring 3.5 mm or more but not over 4 mm in thickness in the torso, such wetsuits each valued at \$102 or more but not over \$150 (provided for in subheading 6114.30.30)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107891. MEN’S 4.5 MM WETSUITS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.27.20	Men’s full-body wetsuits, each made from a three-layer fabric composed of a knitted outer layer of polyester and spandex bonded to a fleece knitted pile inner layer of polyester and spandex with a center core of expanded rubber for its body, and a three-layer fabric composed of a knitted inner of polyester and outer layers with a center core of expanded rubber for its sleeves, shoulders and lower legs, measuring 4.1 mm or more but not over 5 mm in thickness in the torso, such wetsuits valued \$105 or more but not over \$160 each (provided for in subheading 6114.30.30)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107892. WOMEN’S 3 MM WETSUITS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.27.21	Women’s full-body wetsuits, each made from three-layer fabric composed of a knitted outer layer of polyester and spandex bonded to a fleeee knit pile inner layer of polyester and spandex with a center core of expanded rubber for its body, and a three-layer fabric composed of knitted inner and outer layers of polyester with a center core of expanded rubber for its sleeves, shoulders and lower legs, measuring no more than 3.4 mm in thickness in the torso, such wetsuits valued \$97 or more but not over \$130 each (provided for in subheading 6114.30.30)	Free	No change	No change	On or before 12/31/2023 ”.
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1 SEC. 107893. WOMEN’S 3.5 MM WETSUITS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.27.22	Women’s full-body wetsuits, made from three-layer fabric composed of a knitted outer layer of polyester and spandex bonded to a fleeee knitted pile inner layer of polyester and spandex with a center core of expanded rubber for its body, and a three-layer fabric composed of knitted inner and outer layers of polyester with a center core of expanded rubber for its sleeves, shoulders and lower legs, measuring 3.5 mm or more but not over 4 mm in thickness in the torso, such wetsuits each valued \$102 or more but not over \$150 (provided for in subheading 6114.30.30)	Free	No change	No change	On or before 12/31/2023 ”.
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4 SEC. 107894. WOMEN’S 4.5 MM WETSUITS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.27.23	Women’s full-body wetsuits, each made from three-layer fabric composed of a knitted outer layer of polyester and spandex bonded to a fleeee knitted pile inner layer of polyester and spandex with a center core of expanded rubber for its body, and a three-layer fabric composed of knitted inner and outer layers of polyester with a center core of expanded rubber for its sleeves, shoulders and lower legs, measuring 4.1 mm or more but not over 5 mm in thickness in the torso, such wetsuits valued \$105 or more but not over \$160 each (provided for in subheading 6114.30.30)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107895. WOMEN’S 5.5 AND 6.5 MM WETSUITS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.27.24	Women’s full-body wetsuits, of three-layer fabric composed of a knitted outer layer of polyester and spandex bonded to a polyester and spandex fleeee knitted pile inner layer with a center core of expanded rubber for its body, and a three-layer fabric composed of knitted inner and outer layers of polyester with a center core of expanded rubber for its sleeves, shoulders and lower legs with material measuring 5.1 mm or more but not over 7 mm in thickness in the torso, such wetsuits valued \$120 or more but not over \$175 each (provided for in subheading 6114.30.30)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107896. INSULATED HANDMUFFS OF KNIT POLYESTER.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.27.25	Hand muffs of knitted fabrics of polyester laminated with plastics, such muffs stuffed with synthetic microfiber for thermal insulation, each with side openings having elastic closures, with one exterior pocket with zipper closure and weighing not more than 500 g (provided for in subheading 6117.80.95)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107897. MEN’S STOCKINGFOOT WADER BOTTOM SUB-
2 ASSEMBLIES, OF COMPRESSED NEOPRENE.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.27.26	Men’s stockingfoot wader bottom subassemblies, constructed from neoprene (originally measuring 6 mm to 8 mm in thickness) compressed to 4 mm in thickness, laminated on both sides with a knitted nylon fabric, whose height exceeds 20.5 cm; each such stockingfoot formed anatomically (provided for in subheading 6117.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 107898. MEN’S STOCKINGFOOT WADER BOTTOM SUB-
6 ASSEMBLIES, OF NON-COMPRESSED NEO-
7 PRENE.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.27.27	Men’s stockingfoot wader bottom subassemblies, made from non-compressed neoprene having a thickness of 4 mm, laminated on both sides with a knitted nylon fabric, height exceeding 20.5 cm; each such stockingfoot formed anatomically (provided for in subheading 6117.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107899. FISHING WADER POCKET POUCH ASSEMBLIES.**

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.27.28	Pocket pouches, each with outer shell of woven textile fabric visibly coated with rubber or plastics and laminated to an inner layer of knitted fabric, with a zippered cargo pocket and other pockets designed to organize tippets and leaders and with dual entry zippers; the foregoing designed to be affixed to a fishing wader and not put up for individual retail sale (provided for in subheading 6117.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 107900. MARTIAL ARTS UNIFORMS.**

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.27.40	Women’s and girls’ judo, karate and other oriental martial arts uniforms of cotton, presented as ensembles each consisting of a top and a bottom, with or without an accompanying belt (provided for in subheading 6204.22.10) ...	Free	No change	No change	On or before 12/31/2023	”.
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7 **SEC. 107901. WOMEN’S OR GIRLS’ LINEN WOVEN BLOUSES,**
 8 **SHIRTS AND SHIRT-BLOUSES, AND SLEEVE-**
 9 **LESS TANK STYLES.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.27.48	Women’s or girls’ woven blouses, shirts and shirt-blouses and sleeveless tank styles, the foregoing of linen and extending from the neck area to or below the waist, with or without sleeves, with full or partial opening or no opening, with pockets below the waist or tightening at the bottom (provided for in subheading 6211.49.80)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107902. WOMEN’S OR GIRLS’ LINEN WOVEN**
 2 **WASHSUITS, SUNSUITS, OR ONE-PIECE PLAY-**
 3 **SUITS.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.27.49	Women’s or girls’ woven washsuits, sunsuits and one-piece playsuits, of linen (provided for in subheading 6211.49.80)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 107903. WOMEN’S OR GIRLS’ LINEN WOVEN COVER-**
 7 **ALLS OR JUMPSUITS.**

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.27.50	Women’s or girls’ woven coveralls or jumpsuits, of linen (provided for in subheading 6211.49.80)	Free	No change	No change	On or before 12/31/2023	”.
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10 **SEC. 107904. WOMEN’S SHAWLS AND SIMILAR GOODS, 100**
 11 **PERCENT SILK.**

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.27.51	Women’s shawls, scarves and similar goods, wholly of silk, valued less than \$7 each (provided for in subheading 6214.10.10)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107905. WINTER CYCLING GLOVES.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.27.52	Winter cycling gloves, each with woven outer shell of man-made fibers and a merino wool lining (provided for in subheading 6216.00.46) ...	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107906. LOCK POCKET TENTS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.27.59	Dome-shaped tents of woven fabric of polyester, each tent with attached polyethylene floor and fiberglass poles permanently attached to the rear bottom corners of the tent by means of polyvinyl chloride end connectors sewn into webbing straps, with the opposite ends having polyvinyl chloride ball-shaped caps that insert into mesh fabric pockets 10.7 cm to 12.1 cm long at the front bottom corners of the tent and attach to the tent at intervals via webbing straps with fitted plastic clips, the foregoing tents each valued at \$19 or higher (provided for in subheading 6306.22.90)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107907. DARK ROOM TENTS.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.27.60	Tents of woven fabric of polyester, with light-blocking dark pigment coating, such tents with attached polyethylene floor, measuring 144.7 cm by 213.3 cm or more but not over 426.8 cm by 304.8 cm, with a center height of at least 142.2 cm but not over 201 cm, each such tent valued at \$30 or higher (provided for in subheading 6306.22.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107908. BI-COMPONENT MICROFIBER TUBE MOP RE-
2 FILLS.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.27.62	Replacement mop heads, constructed from circular knit bi-component microfiber fabric tubes containing by weight 65 to 90 percent of polyester and 10 to 35 percent of nylon, sewn together with raw edges enclosed, valued at least \$2 but no more than \$4 each (provided for in subheading 6307.10.20)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 107909. MICROFIBER DUSTER REFILLS.

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.27.63	Duster refill pads made from knitted high pile microfiber fabric containing by weight 60 percent to 90 percent of polyester and 10 percent to 40 percent of nylon, valued less than \$1.80 each (provided for in subheading 6307.10.20)	Free	No change	No change	On or before 12/31/2023	”.
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8 SEC. 107910. RFID MOP PADS.

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.27.64	Finished mop pads made from warp knit fabric containing by weight 60 percent to 90 percent of polyester and 10 percent to 40 percent of nylon, weighing at least 300 g/m ² but no more than 700 g/m ² , such mop pads each having an RFID chip permanently stitched inside them (provided for in subheading 6307.10.20)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107911. MICROFIBER CLEANING CLOTHS.

- 2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.27.65	Microfiber cloths made from warp knit fabric containing by weight 60 percent to 90 percent of polyester and 10 percent to 40 percent of nylon, weighing at least 190 g/m ² but no more than 360 g/m ² , such cloths having edges finished with an overcast stitch, valued at least \$0.06 but not more than \$0.90 each (provided for in subheading 6307.10.20)	4%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107912. MICROFIBER MOP PADS.

- 5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.27.66	Finished mop pads made from warp knit microfiber fabric containing by weight 60 percent to 90 percent of polyester and 10 percent to 40 percent of nylon, each weighing at least 300 g/m ² but no more than 700 g/m ² and valued at least \$0.40 but no more than \$4.90 (provided for in subheading 6307.10.20)	2%	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107913. GOLF BAG BODY FLATS.

- 8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.27.70	Golf bag bodies made of woven fabric of man-made textile materials, sewn together with pockets, each presented with golf bag rain hood, sling, webbing clips and top and bottom collars (provided for in subheading 6307.90.98), the foregoing presented either without bottoms or with bottoms not attached to such bodies	1.2%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107914. BATHTUB ELBOW RESTS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.27.71	Elbow pads of textile materials, with faux neoprene shell and foam inner layer, with non-slip backing with suction cups to attach to the bath tub, containing no bisphenol-A (BPA) or phthalates, measuring approximately 40 cm in length by 10.2 cm in width by 15.9 cm in height (provided for in subheading 6307.90.98)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107915. DOOR SWINGS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.27.72	Door swings, each comprising two straps wholly of polypropylene and measuring approximately 1.52 m in length, such straps each having two cuffs wholly of velour, an acrylic bar with end caps wholly of polyurethane and two adjustable buckles wholly of polyoxymethylene (provided for in subheading 6307.90.98)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107916. UNDER BED RESTRAINTS.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.27.73	Sets of bed restraints designed to restrain a bed's occupant, each comprising four straps wholly of polypropylene and measuring approximately 1.37 m in length, such straps each connected by one large O-ring wholly of iron and having one small O-ring; each restraint with 4 cuffs wholly of velour; such cuffs each with one small O-ring wholly of iron attached to a carabiner hook wholly of zinc alloy and with two buckles wholly of polyoxymethylene, with a hook-and-loop fastener strap wholly of polyester (provided for in subheading 6307.90.98)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107917. BATH KNEELER.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.27.76	Knee pads of man-made fiber neoprene fabric, containing no bisphenol A (BPA) or phthalates, measuring approximately 43.2 cm in length by 28 cm in width by 3.3 cm in height (provided for in subheading 6307.90.98)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107918. TWO-PIECE CAMERA MOUNT KITS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.27.78	Two-piece camera mount kits of textile materials, presented in sets, designed for cameras of subheading 8525.80.40; each set containing one chest harness of textile materials and one plastic mount designed to securely attach a camera onto tubes measuring 9 to 35 mm in diameter and incorporating a base capable of rotating the camera 360 degrees (provided for in subheading 6307.90.98)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107919. SLEEVE COVERS.**

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.27.79	Sleeve covers of non-woven fabric of man-made fibers (provided for in subheading 6307.90.98)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 107920. MEN’S CYCLING SHOES VALUED OVER \$18 PER**
 5 **PAIR.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.27.82	Cycling shoes with outer soles and uppers of rubber or plastics, valued over \$18/pr, for men, the foregoing having a cleat mounting system on the sole for attaching to bicycle pedals (provided for in subheading 6402.19.90), the foregoing other than winter cycling boots	4.6%	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 107921. WOMEN’S CYCLING SHOES VALUED OVER \$16**
 9 **PER PAIR.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.27.83	Cycling shoes with outer soles and uppers of rubber or plastics, valued over \$16/pr, for women, having a cleat mounting system on the sole for attaching to bicycle pedals (provided for in subheading 6402.19.90); the foregoing other than winter cycling boots for women	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107922. MEN'S GOLF SHOES WITH OUTERS AND UP-**
 2 **PERS OF RUBBER OR PLASTICS, VALUED**
 3 **OVER \$20 PER PAIR.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.27.84	Golf shoes with outer soles and uppers of rubber or plastics, for men, such shoes whether designed to be worn on-course, off-course or both, the foregoing with spikes, sprigs, cleats, stops, clips, bars or the like intended to enhance traction and grip, valued over \$20/pr (provided for in subheading 6402.19.90)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 107923. GOLF SHOES OTHER THAN FOR MEN, WITH**
 7 **OUTERS AND UPPERS OF RUBBER OR PLAS-**
 8 **TICS, VALUED OVER \$20 PER PAIR.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.27.85	Golf shoes with outer soles and uppers of rubber or plastics, whether designed to be worn on- or off-course, the foregoing with spikes, sprigs, cleats, stops, clips, bars or the like intended to enhance traction and grip, valued over \$20/pr, for persons other than men (provided for in subheading 6402.19.90)	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 107924. WINTER CYCLING BOOTS FOR MEN.**

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.27.86	Winter cycling boots for men, designed to be compatible with flat or clipless pedals, the foregoing with or without removeable liner, with boa closure system and lugged rubber outsole with microglass inserts (provided for in subheading 6402.19.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107925. WINTER CYCLING BOOTS FOR WOMEN.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.27.87	Winter cycling boots with outer soles and uppers of rubber or plastics, for women, designed to be compatible with flat or clipless pedals, with or without removeable liner, the foregoing with boa closure system and lugged rubber outsole with microglass inserts (provided for in subheading 6402.19.90)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107926. CHILDREN’S FOOTWEAR VALUED OVER \$15
5 PER PAIR.

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.27.92	Footwear for persons other than men or women, with outer soles and uppers of rubber or plastics (other than footwear described in subheading note 1 to chapter 64), that is designed for outdoor activities, such as hiking shoes, trekking shoes, running shoes and trail running shoes, which provides protection against water that is imparted by the use of a laminated textile fabric, valued over \$15/pr (provided for in subheading 6402.91.50); the foregoing, if valued over \$18/pr, without openings in the bottom and/or side of the sole, or covered openings in the upper above the sole unit, or a combination thereof, designed to permit moisture vapor transport from under the foot	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107927. WOMEN’S PROTECTIVE ACTIVE FOOTWEAR,**
 2 **VALUED OVER \$25 PER PAIR, 15.35–25.4 CM IN**
 3 **HEIGHT.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.27.93	Footwear for women, with outer soles and uppers of rubber or plastics (other than footwear described in subheading note 1 to chapter 64), that is designed for outdoor activities, such as hiking shoes, trekking shoes, running shoes and trail running shoes, valued over \$25/pr, which provides protection against water that is imparted by the use of a laminated textile fabric, with or without insulation, whose height from the bottom is at least 15.35 cm and does not exceed 25.4 cm (provided for in subheading 6402.91.50); the foregoing, if valued over \$27/pr, has openings in the bottom and/or side of the sole, or covered openings in the upper above the sole unit, or a combination thereof, designed to permit moisture vapor transport from under the foot	17.4%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107928. CHEER SHOES COVERING THE ANKLE.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.27.95	Women’s footwear with outer soles and uppers of rubber or plastics; such outer soles measuring not over 14 mm in thickness, such footwear covering the ankle, with a welded thermoplastic polyurethane external ankle brace in each shoe, valued over \$12/pr and weighing not more than 0.5 kg/pr (provided for in subheading 6402.91.90)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107929. SIDELINE CHEER SHOES.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.27.97	Women’s footwear with outer soles of rubber or plastics measuring not over 14 mm in thickness and with uppers of plastics, such footwear designed for use in cheerleading activities, weighing no more than 0.5 kg/pr (provided for in subheading 6402.99.31) ...	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107930. MEN’S ATHLETIC FOOTWEAR, VALUED UNDER
8 \$9 PER PAIR.

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.27.98	Tennis shoes, basketball shoes, gym shoes, training shoes and the like, with outer soles and uppers of rubber or plastics, the foregoing for men, not covering the ankle and valued not over \$9/pr (provided for in subheading 6402.99.31)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107931. ATHLETIC FOOTWEAR FOR WOMEN, VALUED**
 2 **NOT OVER \$9 PER PAIR.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.27.99	Tennis shoes, basketball shoes, gym shoes, training shoes and the like, with outer soles and uppers of rubber or plastics, for women, not covering the ankle, valued not over \$9/pr (provided for in subheading 6402.99.31), the foregoing other than footwear for women designed for use in cheerleading activities	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107932. ATHLETIC FOOTWEAR FOR CHILDREN, VAL-**
 6 **UED NOT OVER \$8 PER PAIR.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.28.01	Tennis shoes, basketball shoes, gym shoes, training shoes and the like, with outer soles and uppers of rubber or plastics, for persons other than men or women, such footwear not covering the ankle and valued not over \$8/pr (provided for in subheading 6402.99.31)	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 107933. MEN’S GOLF SHOES, WITH OUTER SOLES AND**
 10 **UPPERS OF RUBBER OR PLASTICS, NOT COV-**
 11 **ERING THE ANKLE, VALUED \$15 PER PAIR OR**
 12 **OVER.**

13 Subchapter II of chapter 99 is amended by inserting
 14 in numerical sequence the following new heading:

“	9902.28.02	Men’s golf shoes, designed to be worn on- or off- course, with outer soles and uppers of rubber or plastics, not covering the ankle, having uppers of which over 90 percent of the external surface area is rubber or plastics, valued \$15/pr or higher (provided for in subheading 6402.99.31)	3.3%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107934. GOLF SHOES OTHER THAN FOR MEN, WITH**
 2 **OUTER SOLES AND UPPERS OF RUBBER OR**
 3 **PLASTICS, NOT COVERING THE ANKLE, VAL-**
 4 **UED \$15 PER PAIR OR OVER.**

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.28.03	Golf shoes, designed to be worn on- or off-course, with outer soles and uppers of rubber or plastics, not covering the ankle, having uppers of which over 90 percent of the external surface area is rubber or plastics, valued \$15/pr or higher, for persons other than men (provided for in subheading 6402.99.31) ...	Free	No change	No change	On or before 12/31/2023	”.
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7 **SEC. 107935. MEN’S RUBBER/PLASTIC FOOTWEAR, VALUED**
 8 **NOT OVER \$5 PER PAIR.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.28.04	Footwear for men, with outer soles and uppers of rubber or plastics, not covering the ankle, valued not over \$5/pr, the foregoing other than house slippers, work footwear and tennis shoes, basketball shoes, gym shoes, training shoes and the like (provided for in subheading 6402.99.31)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107936. WOMEN'S RUBBER/PLASTIC FOOTWEAR, VAL-**
 2 **UED NOT OVER \$6 PER PAIR.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.28.05	Footwear for women, with outer soles and uppers of rubber or plastics, not covering the ankle, valued not over \$6/pr, the foregoing other than house slippers, work footwear and tennis shoes, basketball shoes, gym shoes, training shoes and the like (provided for in subheading 6402.99.31)	4.3%	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107937. CHEER SHOES WITH SOLE LESS THAN 12 MM.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.28.07	Women's footwear with outer soles and uppers of rubber or plastics, each sole measuring not over 12 mm in thickness, the foregoing footwear designed for use in cheerleading activities, valued over \$12/pr and weighing not over 0.5 kg/pr (provided for in subheading 6402.99.90)	1%	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 107938. MEN'S GOLF SHOES WITH OUTERS AND UP-**
 9 **PERS OF RUBBER OR PLASTICS, VALUED**
 10 **OVER \$19 PER PAIR.**

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.28.08	Golf shoes for men, designed to be worn on- or off-course, with outer soles and uppers of rubber or plastics, valued over \$19/pr (provided for in subheading 6402.99.90)	7.1%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107939. GOLF SHOES OTHER THAN FOR MEN, OUTER**
 2 **SOLES AND UPPERS OF RUBBER OR PLAS-**
 3 **TICS, VALUED OVER \$19 PER PAIR.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.28.09	Golf shoes with outer soles and uppers of rubber or plastics, designed to be worn on- or off-courses, such footwear valued over \$19/pr, for persons other than men (provided for in subheading 6402.99.90)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 107940. MEN'S GOLF SHOES, OUTER SOLES OF RUB-**
 7 **BER, PLASTICS, LEATHER OR COMPOSITION**
 8 **LEATHER AND UPPERS OF LEATHER (EXCEPT**
 9 **PIGSKIN UPPERS).**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.28.10	Golf shoes for men, with outer soles of rubber, plastics, leather or composition leather and uppers of leather (except pigskin uppers), not welt, the foregoing with spikes, sprigs, cleats, stops, clips, bars or the like intended to enhance traction and grip and other than footwear which contains laminated textile with openings in the bottom and/or side of the sole or covered openings in the upper above the sole, or a combination thereof, designed to vent moisture (provided for in subheading 6403.19.30)	5%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107941. WOMEN'S LEATHER FOOTWEAR, LINED WITH**
 2 **PIGSKIN WITH ZIPPER, VALUED \$47-\$60 PER**
 3 **PAIR.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.28.13	Footwear for women, with outer soles and uppers of leather, covering the ankle, each with zipper closure, lined wholly or in part with pigskin, valued over \$47 but not over \$60/pr, whose height from the bottom of the outer sole to the top of the upper is over 43 cm, with a heel height over 60 mm (provided for in subheading 6403.51.90)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 107942. WOMEN'S LEATHER FOOTWEAR, LINED WITH**
 7 **PIGSKIN, VALUED \$31-\$40 PER PAIR.**

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.28.14	Footwear for women, with outer soles and uppers of leather, covering the ankle, each lined wholly or in part with pigskin, with zipper closure, valued over \$31 but not over \$40/pr, whose height from the bottom of the outer sole to the top of the upper does not exceed 21 cm, with a heel height over 70 mm (provided for in subheading 6403.51.90)	Free	No change	No change	On or before 12/31/2023	”.
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10 **SEC. 107943. WOMEN'S SLIP-ON COW/CALF HAIR FOOTWEAR,**
 11 **VALUED \$50-\$60 PER PAIR.**

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.28.15	Footwear of the slip-on type for women with outer soles and uppers of leather, covering the ankle, lined wholly or in part with pigskin, valued over \$50 but not over \$60/pr, whose height from the bottom of the outer sole to the top of the upper is over 50 cm, with a heel height over 90 mm (provided for in subheading 6403.51.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107944. WOMEN’S LEATHER FOOTWEAR LINED WITH
2 SHEEPSKIN.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.28.16	Footwear for women with outer soles and uppers of leather, having open toe and/or open heel and with buckle closure, with lining wholly or in part of sheepskin, valued over \$23 but not over \$27/pr, heel height under 26 mm (provided for in subheading 6403.59.90)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 107945. WOMEN’S LEATHER SLIP-ON FOOTWEAR LINED
6 WITH SHEEP LEATHER.

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.28.17	Footwear for women, with outer soles and uppers of leather, each with open toe and/or open heel; of the slip-on type, that is, held to the foot without the use of laces or buckles or other fasteners; lined wholly or in part of sheep leather; valued over \$18 but not over \$26/pr; with heel height over 60 mm but not over 90 mm (provided for in subheading 6403.59.90) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107946. WOMEN’S LEATHER SLIP-ON FOOTWEAR LINED**
 2 **WITH PIGSKIN.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.28.18	Footwear for women with outer soles and uppers of leather; of the slip-on type, that is, held to the foot without the use of laces or buckles or other fasteners; with lining wholly or in part of pigskin, valued over \$21 but not over \$27/pr, heel height under 26 mm (provided for in subheading 6403.59.90)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107947. WOMEN’S LEATHER FOOTWEAR, LINED WITH**
 6 **PIGSKIN, VALUED \$21–\$27 PER PAIR.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.28.19	Footwear for women with outer soles and uppers of leather, with open toe and/or open heel and with buckle closure, with lining wholly or in part of pigskin, valued over \$21 but not over \$27/pr, with heel height over 60 mm but not over 90 mm (provided for in subheading 6403.59.90)	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 107948. WOMEN’S FOOTWEAR WITH LEATHER UPPERS,**
 10 **LINED WITH PIGSKIN, CLOSED TOE OR HEEL**
 11 **WITH FUNCTIONAL ZIPPERS ON SIDES.**

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.28.30	Footwear for women, with outer soles of rubber or plastics and uppers of leather, each with closed toe and closed heel, covering the ankle, functional zipper on the medial side and a functional zipper on the lateral side, lined wholly or in part with pigskin, with foxing or foxing-like band, whose height from the bottom of the outer sole to the top of the upper does not exceed 14 cm, valued over \$18 but not over \$22/pr (provided for in sub-heading 6403.91.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107949. WOMEN’S FOOTWEAR WITH LEATHER UPPERS,**
 2 **LINED WITH PIGSKIN WITH ADJUSTABLE**
 3 **LACES.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.28.36	Footwear for women, with outer soles of rubber or plastics and uppers of leather, closed toe and heel, such footwear covering the ankle, having closure with adjustable laces, lined wholly or in part with pigskin, whose height from the bottom of the outer sole to the top of the upper is over 21 cm but not over 23 cm, with a heel height of at least 75 mm, valued over \$36 but not over \$38/pr (provided for in sub-heading 6403.91.90)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 107950. COMPETITIVE CHEER SHOES WITH LEATHER**
 7 **UPPERS.**

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.28.39	Women’s footwear with uppers of leather and outer soles of rubber or plastics, such soles measuring not over 9 mm in thickness, the foregoing designed for use in cheerleading activities, valued over \$2.50/pr and weighing no more than 0.5 kg/pr (provided for in subheading 6403.99.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107951. WOMEN’S FOOTWEAR WITH LEATHER UPPERS,**
 2 **WITH STRAP AND BUCKLE, VALUED \$27–\$40**
 3 **PER PAIR.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.28.43	Footwear for women, with outer soles of rubber or plastics and uppers of leather, each with a strap that wraps around the leg above the ankle bone and includes a functional buckle, a heel height of 92 mm or more but not over 97 mm, valued at \$27 or more but not over \$40/pr (provided for in subheading 6403.99.90)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 107952. CHILDREN’S LEATHER UPPER ATHLETIC**
 7 **FOOTWEAR, VALUED NOT OVER \$9 PER PAIR.**

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.28.45	Tennis shoes, basketball shoes and the like, for persons other than men or women, such footwear with uppers of leather and outer soles of rubber or plastics, valued over \$2.50/pr but not over \$9/pr (provided for in subheading 6403.99.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107953. MEN'S ATHLETIC TYPE FOOTWEAR WITH UP-**
 2 **PERS OF TEXTILE MATERIALS OF VEGE-**
 3 **TABLE FIBERS AND OUTER SOLES OF RUB-**
 4 **BER OR PLASTIC WITH TEXTILE FLOCKING.**

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.28.46	Men's footwear with uppers of vegetable fibers and outer soles of rubber or plastics, having outer soles with textile materials having the greatest surface area in contact with the ground, of an athletic type, with or without foxing or foxing-like band; such footwear valued over \$6.50 but not over \$12/pr (provided for in subheading 6404.11.81)	Free	No change	No change	On or before 12/31/2023	”.
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7 **SEC. 107954. ATHLETIC FOOTWEAR FOR MEN, WITH A BEL-**
 8 **LOWS TONGUE, VALUED OVER \$6.50 BUT NOT**
 9 **OVER \$12 PER PAIR.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.28.47	Tennis shoes, basketball shoes, gym shoes, training shoes and the like, for men, with outer soles of rubber or plastics and uppers of textile materials other than vegetable fibers, such footwear having a bellows tongue, valued over \$6.50 but not over \$12/pr, such outer soles with textile materials having the greatest surface area in contact with the ground but not taken into account under the terms of additional U.S. note 5 to chapter 64 (provided for in subheading 6404.11.85) ...	10.3%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107955. ATHLETIC FOOTWEAR FOR WOMEN, WITH A**
 2 **BELLOWS TONGUE, VALUED OVER \$6.50 BUT**
 3 **NOT OVER \$12 PER PAIR.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.28.48	Tennis shoes, basketball shoes, gym shoes, training shoes and the like, for women, with outer soles of rubber or plastics and uppers of textile materials other than vegetable fibers, each having a bellows tongue, valued over \$6.50 but not over \$12/pr, such outer soles with textile materials having the greatest surface area in contact with the ground but not taken into account under the terms of additional U.S. note 5 to chapter 64 (provided for in subheading 6404.11.85)	10%	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 107956. ATHLETIC FOOTWEAR FOR CHILDREN, BEL-**
 7 **LOWS TONGUE, VALUED OVER \$6.50 BUT NOT**
 8 **OVER \$12 PER PAIR.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.28.49	Tennis shoes, basketball shoes, gym shoes, training shoes and the like, for persons other than men and women, such footwear with outer soles of rubber or plastics and uppers of textile materials other than vegetable fibers, having a bellows tongue, valued over \$6.50 but not over \$12/pr, such outer soles with textile materials having the greatest surface area in contact with the ground but not taken into account under the terms of additional U.S. note 5 to chapter 64 (provided for in subheading 6404.11.85)	7.7%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107957. ATHLETIC FOOTWEAR FOR MEN, VALUED**
 2 **OVER \$6.50 BUT NOT OVER \$9 PER PAIR.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.28.50	Tennis shoes, basketball shoes, gym shoes, training shoes and the like, for men, with outer soles of rubber or plastics and uppers of textile materials other than vegetable fibers, in which elastic strips are attached to either side of the tongue and anchored beneath the insole, valued over \$6.50 but not over \$9/pr, such outer soles with textile materials having the greatest surface area in contact with the ground but not taken into account under the terms of additional U.S. note 5 to chapter 64 (provided for in subheading 6404.11.85)	10.3%	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107958. ATHLETIC FOOTWEAR FOR CHILDREN, VAL-**
 6 **UED OVER \$6.50 BUT NOT OVER \$9 PER PAIR.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.28.51	Tennis shoes, basketball shoes, gym shoes, training shoes and the like, for persons other than men or women, such footwear with outer soles of rubber or plastics and uppers of textile materials other than vegetable fibers, in which elastic strips are attached to either side of the tongue and anchored beneath the insole, valued over \$6.50 but not over \$9/pr, such outer soles with textile materials having the greatest surface area in contact with the ground but not taken into account under the terms of additional U.S. note 5 to chapter 64 (provided for in subheading 6404.11.85)	6.8%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107959. CHEER SHOES WITH UPPERS OF TEXTILE MA-**
 2 **TERIALS.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.28.56	Footwear for women, with outer soles of rubber or plastics measuring not over 14 mm in thickness and with uppers of textile materials, such footwear designed for use in cheerleading activities, valued over \$12/ pr and weighing no more than 0.5 kg/pr (provided for in subheading 6404.11.90)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107960. WOMEN’S FOOTWEAR WITH TEXTILE UPPERS**
 6 **AND 50 PERCENT OR MORE OF THE SURFACE**
 7 **AREA OF WHICH IS LEATHER.**

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.28.59	Footwear for women, with outer soles of rubber or plastics and uppers of textile materials, having uppers of which over 50 percent of the external surface area (including any leather accessories or reinforcements) is leather, the foregoing other than sports footwear, tennis shoes, basketball shoes, training shoes and the like (provided for in subheading 6404.19.15)	Free	No change	No change	On or before 12/31/2023	”.
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10 **SEC. 107961. WOMEN’S FOOTWEAR WITH TEXTILE UPPERS,**
 11 **OPEN TOES OR HEELS, VALUED \$15-\$30 PER**
 12 **PAIR.**

13 Subchapter II of chapter 99 is amended by inserting
 14 in numerical sequence the following new heading:

“	9902.28.61	Footwear with outer soles of rubber or plastics, with uppers of textile material other than vegetable fibers and having outer soles with textile materials having the greatest surface area in contact with the ground, but not taken into account under the terms of additional note U.S. note 5 to chapter 64, with open toes or open heels or of the slip-on type, weighing 10 percent or more of rubber or plastics, valued \$15/pr or higher but not more than \$30/pr; the foregoing for women (other than house slippers) (provided for in subheading 6404.19.37)	11.3%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107962. MEN’S TEXTILE UPPER FOOTWEAR, WITH
2 OPEN TOES OR OPEN HEELS, VALUED NOT
3 OVER \$12 PER PAIR.

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.28.62	Footwear for men, with open toes or open heels, other than house slippers; the foregoing with outer soles of rubber or plastics and uppers of textile materials, such uppers consisting of straps not exceeding 26 mm in width and having no heel straps, valued not over \$12/pr (provided for in subheading 6404.19.39)	16.4%	No change	No change	On or before 12/31/2023	”.
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6 SEC. 107963. WOMEN’S TEXTILE UPPER FOOTWEAR, WITH
7 OPEN TOES OR OPEN HEELS, VALUED NOT
8 OVER \$12 PER PAIR.

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.28.63	Footwear for women, with open toes or open heels and other than house slippers; such footwear with outer soles of rubber or plastics and uppers of textile materials, such uppers consisting of straps not exceeding 26 mm in width and having no heel straps, valued not over \$12/pr (provided for in subheading 6404.19.39)	30.2%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107964. CHILDREN’S TEXTILE UPPER FOOTWEAR,**
 2 **WITH OPEN TOES OR OPEN HEELS, VALUED**
 3 **NOT OVER \$12 PER PAIR.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.28.64	Footwear for persons other than men or women, such footwear with open toes or open heels (other than house slippers), with outer soles of rubber or plastics and uppers of textile materials, with straps not exceeding 20 mm in width and having no heel straps, valued not over \$12/pr (provided for in subheading 6404.19.39)	20.2%	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 107965. OXFORD-STYLE WORK FOOTWEAR WITH STEEL**
 7 **SAFETY TOE AND STATIC DISSIPATING PRO-**
 8 **TECTION.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.28.67	Footwear for men or women, with outer soles of rubber or plastics and uppers of textile materials, not covering the ankle, valued at over \$12/pr, incorporating a protective toe cap of steel and with electrostatic dissipating properties meeting ASTM F2413 standards with an ESD classification of SD-10 (provided for in subheading 6404.19.90) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107966. OXFORD FOOTWEAR WITH TEXTILE UPPERS**
 2 **AND COMPOSITE TOE, VALUED OVER \$20 PER**
 3 **PAIR.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.28.70	Footwear for men or women, with outer soles of rubber or plastics and uppers of textile materials, not covering the ankle, valued over \$20/pr, incorporating a protective toe cap of materials other than metal (provided for in subheading 6404.19.90)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 107967. MEN’S MID-CUT FOOTWEAR WITH A TEXTILE**
 7 **UPPER AND A PROTECTIVE TOE CAP.**

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.28.71	Footwear for men, with outer soles of rubber or plastics and uppers of textile materials, covering the ankle to a height of less than 15.24 cm, incorporating a protective toe cap of alloy materials, valued over \$12/pr (provided for in subheading 6404.19.90)	Free	No change	No change	On or before 12/31/2023	”.
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10 **SEC. 107968. WOMEN’S FOOTWEAR WITH LEATHER SOLES**
 11 **AND TEXTILE UPPERS, OPEN TOES OR HEELS,**
 12 **VALUED \$12–\$24 PER PAIR.**

13 Subchapter II of chapter 99 is amended by inserting
 14 in numerical sequence the following new heading:

“	9902.28.72	Footwear for women with outer soles of leather or composition leather and uppers of textile materials, each with open toe and/or open heel, not over 50 percent by weight of textile materials and rubber or plastics with at least 10 percent by weight being rubber or plastics, valued over \$12.00 but not over \$24.00/pr (provided for in subheading 6404.20.40)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107969. FOOTWEAR FOR WOMEN VALUED OVER \$20
2 BUT NOT OVER \$24 PER PAIR.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.28.73	Footwear for women with outer soles of leather or composition leather and uppers of textile materials, with closed toe and closed heel, not over 50 percent by weight of textile materials and rubber or plastics with at least 10 percent by weight being rubber or plastics; such footwear with a heel counter of pig suede and a zipper at the back of the shoe, each shoe featuring at least one strap that wraps around the leg above the ankle and does not cover the ankle; the foregoing valued over \$20 but not over \$24/pr (provided for in subheading 6404.20.40)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 107970. WOMEN'S FOOTWEAR WITH LEATHER SOLES
6 AND TEXTILE UPPERS, VALUED \$15-\$20 PER
7 PAIR.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.28.74	Footwear for women with outer soles of leather or composition leather and uppers of textile materials, not elsewhere specified or included, valued over \$15 but not over \$20/pr, the foregoing other than footwear containing less than 10 percent by weight of rubber or plastics and other than containing 50 percent or less by weight of textile materials and rubber or plastics with at least 10 percent by weight being rubber or plastics (provided for in sub-heading 6404.20.60)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107971. WOMEN’S FOOTWEAR WITH LEATHER SOLES**
 2 **AND TEXTILE UPPERS, VALUED \$20–\$25 PER**
 3 **PAIR.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.28.75	Footwear for women, with outer soles of leather or composition leather and uppers of textile materials, not elsewhere specified or included, valued over \$20 but less than \$25/pr; the foregoing other than footwear containing less than 10 percent by weight of rubber or plastics and other than containing 50 percent or less by weight of textile materials and rubber or plastics with at least 10 percent by weight being rubber or plastics (provided for in sub-heading 6404.20.60)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 107972. WOMEN’S FOOTWEAR WITH CORK SOLES AND**
 7 **TEXTILE UPPERS.**

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.28.76	Footwear for women, with uppers of textile materials and outer soles of cork or agglomerated cork, each with open toe and/or open heel, valued over \$13 but not over \$18/pr (provided for in subheading 6405.20.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107973. MEN’S FOOTWEAR WITH FELT SOLES, NOT
2 COVERING THE ANKLE, VALUED \$20 PER
3 PAIR OR HIGHER.

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.28.77	Footwear for men, with uppers of which over 30 percent of the external surface is polyurethane measuring 0.25 mm in thickness, with cemented outer soles of which over 50 percent of the external surface is felt, having the characteristics required for normal use, including durability and strength; the foregoing not covering the ankle and valued \$20/pr or higher (provided for in subheading 6405.20.90)	Free	No change	No change	On or before 12/31/2023	”.
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6 SEC. 107974. WOMEN’S AND GIRLS’ FOOTWEAR WITH CORK
7 UPPERS, VALUED LESS THAN \$25 PER PAIR.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.28.78	Women’s and girls’ footwear with uppers of cork (other than disposable and designed for one-time use), valued less than \$25/pr (provided for in subheading 6405.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107975. WOMEN'S FOOTWEAR WITH COW/CALF HAIR**
 2 **UPPERS, VALUED \$35-\$40 PER PAIR, COV-**
 3 **ERING THE ANKLE.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.28.79	Footwear for women, with uppers of cow or calf hair and outer soles of rubber or plastics, such footwear with closed toe and heel, covering the ankle, with a lace closure, having an upper with exterior surface area over 80 percent cow or calf hair, valued over \$35 but not over \$40/pr (provided for in subheading 6405.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 107976. WOMEN'S FOOTWEAR WITH COW/CALF HAIR**
 7 **UPPERS, VALUED \$35-\$40 PER PAIR, NOT COV-**
 8 **ERING THE ANKLE.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.28.80	Footwear for women, with uppers of cow or calf hair and outer soles of rubber or plastics, each with closed toe and closed heel, not covering the ankle, of the slip-on type, having an upper with exterior surface area over 70 percent cow or calf hair, valued over \$35 but not over \$40/pr (provided for in subheading 6405.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 107977. WOMEN'S FOOTWEAR WITH COW/CALF HAIR**
 12 **UPPERS, VALUED \$19-\$25 PER PAIR.**

13 Subchapter II of chapter 99 is amended by inserting
 14 in numerical sequence the following new heading:

“	9902.28.81	Footwear for women, with uppers of cow or calf hair and outer soles of rubber or plastics, each with closed toe and closed heel, not covering the ankle, of the slip-on type, having an upper with exterior surface area over 85 percent cow or calf hair, valued over \$19 but not over \$25/pr (provided for in subheading 6405.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107978. WOMEN’S FOOTWEAR WITH COW/CALF HAIR
2 UPPERS, VALUED \$50–\$55 PER PAIR.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.28.82	Footwear for women, with uppers of cow or calf hair and outer soles of rubber or plastics, such footwear covering the ankle, with zipper closure, with exterior surface area over 70 percent cow or calf hair, valued over \$50 but not over \$55/pr (provided for in subheading 6405.90.90) ...	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 107979. WOMEN’S FOOTWEAR, LEATHER SOLES AND
6 RUBBER/PLASTIC UPPERS, VALUED \$16–\$18
7 PER PAIR.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.28.83	Footwear for women with uppers of rubber or plastics and outer soles of composition leather, with open toe and/or heel, valued over \$16 but not over \$18/pr (provided for in subheading 6405.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107980. WOMEN'S FOOTWEAR WITH COW/CALF HAIR**
 2 **UPPERS, VALUED \$19-\$34 PER PAIR.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.28.84	Footwear for women, with uppers of cow or calf hair and outer soles of rubber or plastics, such footwear covering the ankle, with zipper or buckle closure, with exterior surface area over 90 percent of cow or calf hair, valued over \$19 but not over \$34/pr (provided for in subheading 6405.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107981. FOOTWEAR FOR WOMEN, VALUED OVER \$50**
 6 **BUT NOT OVER \$60 PER PAIR.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.28.85	Footwear of the slip-on type, for women, with uppers of cow or calf hair and outer soles of rubber or plastics, such footwear with closed toe and heel, covering the ankle, having an upper with exterior surface area over 90 percent cow or calf hair, whose height from the bottom of the outer sole to the top of the upper is over 42 cm, valued over \$50 but not over \$60/pr (provided for in subheading 6405.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 107982. CALF HAIR UPPER FOOTWEAR.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.28.86	Footwear with uppers of calf hair (provided for in subheading 6405.90.90), the foregoing other than goods described in any other heading of this subchapter	3.1%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107983. GAITERS OF MAN-MADE FIBERS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.28.87	Woven gaiters of man-made fibers, not containing elastomeric fiber, seamless, each with full front hook-and-loop closure, boot lace loop attachment, with webbing or cord at the top for tightening and boot strap at the bottom (provided for in subheading 6406.90.15)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107984. HATS OF VEGETABLE FIBERS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.28.88	Hats and other headgear of vegetable fibers, of unspun fibrous vegetable materials or of paper yarn, sewed (provided for in subheading 6504.00.30)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107985. HAIRNETS.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.28.89	Hair-nets (provided for in subheading 6505.00.01)	1%	No change	No change	On or before 12/31/2023	”.
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10 SEC. 107986. COTTON KNIT HATS, VALUED \$8 OR LESS.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.28.90	Women’s and girls’ hats and other headgear, of cotton, knitted, other than visors or hats that provide no covering for the crown of the head; such goods valued up to \$8 each (provided for in subheading 6505.00.15); the foregoing other than hats and other headgear described in subheading 9902.14.63	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107987. BABIES’ WOVEN COTTON HATS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.28.91	Babies’ headwear of cotton, not knitted (provided for in subheading 6505.00.20)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107988. HATS OF MAN-MADE FIBER, VALUED \$5–\$25.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.28.92	Hats and other headgear, of man-made fibers, knitted or crocheted or made up from knitted or crocheted fabrics in the piece (but not in strips), not in part of braid, each valued at least \$5 but not more than \$12 (provided for in subheading 6505.00.60)	6.4%	No change	No change	On or before 12/31/2023	”.
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**7 SEC. 107989. WATERPROOF AND INSULATED HATS WITH
 8 EAR FLAPS, VALUED OVER \$15.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.28.93	Dome-shaped hats, of man-made fibers, each with ear flaps constructed entirely of 2-layer laminate consisting of woven face fabric wholly of polyester and expanded polytetrafluoroethylene (PTFE) membrane, each such hat fully lined with woven ripstop fabric wholly of nylon, the crown and earflaps having insulation wholly of polyester, adjustable by a 2 mm elastic cord covered in a braided textile sheath and back cord lock; such hats valued over \$15 each (provided for in subheading 6505.00.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107990. FISHING WADING STAFFS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.28.94	Wading sticks of carbon fiber, each measuring 3.5 cm to 4.5 cm in diameter, adjustable from approximately 129.5 cm to 142.2 cm in length and weighing 227 g; the foregoing not put up for sale in pairs (provided for in heading 6602.00.00)	Free	No change	No change	On or before 12/31/2023	”.
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**4 SEC. 107991. PLASTIC PLANTS FOR AQUARIUMS, NOT
 5 GLUED OR BOUND.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.28.95	Foliage and flowers of plastics, representing desert or underwater plants, each inserted directly into a base or suction cup, measuring not over 55.88 cm in height, not assembled by gluing or similar means or by binding with flexible materials such as wire, paper, textile materials or foil; the foregoing presented put up for retail sale as goods designed for a household terrarium or aquarium (provided for in subheading 6702.10.40)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107992. NATURAL STONE LEDGER TILE OF SAND-**
 2 **STONE.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.28.96	Natural stone tiles of sandstone; such cut pieces each measuring less than 6.985 cm in width and 6.985 cm in length and collectively glued together or to a mesh backing to form a panel; such finished tiles measuring 15.24 cm or more but not over 40.64 cm in width and 45.72 cm or more but not over 60.96 cm in length (provided for in subheading 6802.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107993. MARBLE MOSAIC AND PEBBLE TILES.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.28.97	Marble mosaic and pebble tiles, each with the individual mosaic and pebble pieces measuring 50.8 mm in width and ranging from 50.8 mm to 152.4 mm in length; each tile measuring approximately 304.8 mm wide and 304.8 mm long (provided for in subheading 6802.10.00)	2.6%	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 107994. NATURAL STONE LIMESTONE TILES.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.28.98	Natural stone tiles made of limestone quarried from India with a surface area greater than 101.6 mm square and ranging in size from 50.8 to 304.8 mm in width and 152.4 mm to 406.44 mm in length; the foregoing honed and 12.7 mm in thickness (provided for in subheading 6802.91.05)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 107995. NATURAL STONE MARBLE TILES.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.28.99	Natural stone tiles made of marble quarried from Greece, Italy, Turkey, and Spain, each tile with a surface area greater than 101.6 mm ² ; the foregoing in sizes ranging from 50.8 to 304.8 mm in width and 152.4 mm to 406.44 mm in length (provided for in subheading 6802.91.05)	1%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 107996. WATERJET NATURAL STONE MOSAIC TILE.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.29.01	Waterjet cut mosaic tiles, composed of natural marble stone, such marble stone tiles measuring more than 7 cm in width and more than 7 cm in length and covering over 50 percent of the surface area, in combination with tiles of glass, metal, mother of pearl or other materials, with surface faces honed or polished and edges worked beyond simple straight cuts and affixed to a mesh backing, having a width not less than 22.86 cm but not more than 45.72 cm and a length not less than 20.32 cm but not more than 45.72 cm (provided for in subheading 6802.91.15)	2.2%	No change	No change	On or before 12/31/2023	”.
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7 SEC. 107997. MARBLE ENTERTAINING AND SERVEWARE.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.29.02	Serving trays, serving boards, cake stands, bowls, pastry boards, rolling pins and similar articles of marble, for preparing or serving food (provided for in subheading 6802.91.15)	1%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 107998. ARTICLES OF MARBLE FOR KITCHEN AND DIN-**
 2 **ING ROOM.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.29.03	Coasters, trivets, paper towel holders, napkin holders and similar articles of marble, the foregoing designed for use in the home and not for contact with food (provided for in subheading 6802.91.15)	1%	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 107999. NATURAL STONE LEDGER TILES OF TRAVER-**
 6 **TINE.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.29.04	Natural stone tiles of travertine, each composed of small, cut pieces of travertine; such cut pieces each measuring less than 69.85 mm in width and 68.85 mm in length and collectively glued to a mesh backing; such finished tiles measuring 152.4 mm or more but not over 406.4 mm in width and 457.2 mm or more but not over 609.6 mm in length (provided for in subheading 6802.91.25)	0.6%	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 108000. TRAVERTINE DECORATIVE TILE.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.29.05	Travertine decorative tiles with smooth-satin finish, rectangular-shaped, each tile measuring 50.8 mm or more but not more than 203.2 mm in width and 101.6 mm or more but not more than 304.8 mm in length (provided for in subheading 6802.91.25)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108001. LIMESTONE DECORATIVE TILES.**

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.29.06	Limestone decorative tiles each with smooth-satin finish and rectangular-shaped stones, each tile measuring in size from 12.7 mm to 101.6 mm in width and 152.4 mm to 406.4 mm in length (provided for in subheading 6802.91.25)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 108002. BLANK, EMBOSSED, AND PRINTED STONE-**
 5 **WARE COASTER DISKS AND TRIVETS.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.29.07	Blank, embossed and printed stoneware coaster disks and trivets (provided for in subheading 6912.00.48)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 108003. ROLLED GREEN GLASS SHEETS.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.29.08	Rolled glass in sheets, of a yellow-green color not colored throughout the mass, not finished or edged-worked, textured on one surface imparted by the rolling process, imported in sheets of a width not exceeding 1,600 mm and a length not exceeding 900 mm, having a thickness not exceeding 6 mm (provided for in subheading 7003.19.00) ...	0.2%	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 108004. FRAMED REAR-VIEW MIRRORS.**

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.29.09	Framed rear-view mirrors, such goods comprising parts of machines of heading 8429 or vehicles of heading 8701, 8704 or 8430, such mirrors measuring not over 929 cm ² in reflecting area and not containing LED or fluorescent lighting (provided for in subheading 7009.10.00)	1.4%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108005. WALL MIRRORS, UNFRAMED.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.29.10	Glass mirrors, unframed, each greater than 5,000 cm ² in reflecting area, not containing LED or fluorescent lighting, designed for mounting on the wall (provided for in subheading 7009.91.50) ...	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108006. WALL MIRRORS, FRAMED.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.29.11	Glass mirrors, framed, each greater than 5,000 cm ² in reflecting area, not containing LED or fluorescent lighting, designed for mounting on the wall (provided for in subheading 7009.92.50)	3.1%	No change	No change	On or before 12/31/2023	”.
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7 SEC. 108007. STEMWARE (CRYSTALLINE) DRINKING GLASS-
8 **ES VALUED OVER \$0.30 BUT NOT OVER \$3**
9 **EACH, OTHER THAN THOSE PRESENTED IN**
10 **SETS.**

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.29.12	Stemware (crystalline) drinking glasses valued over \$0.30 but not over \$3 each other than those presented in sets (provided for in subheading 7013.28.20)	21.2%	No change	No change	On or before 12/31/2023	”.
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**1 SEC. 108008. DOUBLE-WALLED INSULATED GLASS TUM-
2 BLERS.**

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.29.13	Double-walled drinking glasses of specially tempered borosilicate glass, with or without handles (provided for in subheading 7013.37.05) ...	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 108009. DIAMOND-SHAPED STEMMED WINE GLASSES.

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.29.14	Hexagonal, stemmed wine glasses, each with diamond-shaped base and made from specially toughened borosilicate glass (provided for in subheading 7013.37.05)	Free	No change	No change	On or before 12/31/2023	”.
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8 SEC. 108010. TWISTED-CENTER STEMLESS WINE GLASS.

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.29.15	Stemless wine glasses, each with twisted center indentation, of specially tempered borosilicate glass (provided for in subheading 7013.37.05)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108011. CRYSTALLINE DRINKING GLASSES, WITHOUT**
 2 **STEMS, NOT IN SETS.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.29.16	Crystalline drinking glasses without stems, valued over \$0.30 but not over \$3 each, other than those presented in sets (provided for in subheading 7013.37.20)	21.1%	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108012. DOUBLE-WALLED INSULATED GLASS BOWLS.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.29.17	Double-walled (insulated) bowls of specially tempered borosilicate glass, such bowls of a kind used for table or kitchen purposes (provided for in subheading 7013.49.10)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 108013. LEAF-SHAPED GLASS DECANTERS.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.29.18	Leaf-shaped decanters of pressed and toughened (specially tempered) borosilicate glass (provided for in subheading 7013.49.10)	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 108014. SET OF FOUR APPETIZER PLATES MADE OF**
 12 **GLASS WITH STEEL CADDY HOLDER, VALUED**
 13 **AT \$2 EACH.**

14 Subchapter II of chapter 99 is amended by inserting
 15 in numerical sequence the following new heading:

“	9902.29.19	Set of four appetizer plates made of glass with steel caddy holder valued at \$2 each (provided for in subheading 7013.49.20)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108015. SPICE RACK WITH GLASS JARS AND WOODEN
2 LIDS VALUED NOT OVER \$3 EACH.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.29.20	Spice racks, each presented with glass jars and wooden lids, valued not over \$3 each (provided for in subheading 7013.49.20)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 108016. GLASS LENS BLANKS FOR INFRARED APPLICA-
6 TIONS.

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.29.21	Glass lens blanks that are not optically worked, containing one or more of sulfur, selenium or tellurium, certified by the importer as suitable for infrared applications (CAS No. 57673-50-4, 39290-81-8, 1450602-84-2 or 1303-36-2) (provided for in subheading 7014.00.10) ...	Free	No change	No change	On or before 12/31/2023	”.
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9 SEC. 108017. HAIR ACCESSORIES OF GLASS BEADS, IMITA-
10 TION PEARLS, AND IMITATION STONES, VAL-
11 UED LESS THAN \$7.

12 Subchapter II of chapter 99 is amended by inserting
13 in numerical sequence the following new heading:

“	9902.29.22	Hair accessories of glass beads, imitation pearls and imitation stones valued less than \$7 (provided for in subheading 7018.90.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108018. FILTER BAGS WITH ACID-RESISTANT COATING,**
 2 **OF WOVEN FIBERGLASS LAMINATED TO**
 3 **EPTFE, WEIGHING AT LEAST 325 G/M² BUT**
 4 **NOT OVER 350 G/M².**

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.29.23	Filter bags with acid-resistant coating; such bags of woven fiberglass fabric laminated to an expanded polytetrafluoroethylene (ePTFE) membrane, coated with an acid-resistant on its backing, weighing at least 325 g/m ² but not over 350 g/m ² ; the foregoing with a burst strength of 4137 kPA (600 psi) or higher per ASTM D3786 (provided for in subheading 7019.90.10)	Free	No change	No change	On or before 12/31/2023	”.
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7 **SEC. 108019. FIBERGLASS REPLACEMENT WICKS FOR OUT-**
 8 **DOOR GARDEN TORCH.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.29.24	Replacement wicks exclusively of fiberglass for garden, patio and table top burning torches of subheading 9405.50, the foregoing for outdoor use (provided for in subheading 7019.90.10)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108020. FILTER BAGS OF WOVEN FIBERGLASS FABRIC**
 2 **LAMINATED TO AN EPTFE, WITH A POLY-**
 3 **TETRAFLUOROETHYLENE COATED BACKING,**
 4 **NOT ACID RESISTANT, WEIGHING AT LEAST**
 5 **721 G/M² BUT NOT OVER 771 G/M².**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.29.25	Filter bags of woven fiber-glass fabric without an acid-resistant coating; laminated to an expanded polytetrafluoroethylene (ePTFE) membrane with a polytetrafluoroethylene coated backing, weighing at least 721 g/m ² but not over 771 g/m ² ; the foregoing with a burst strength of 6205 kPa (900 psi) or higher per ASTM D3786 (provided for in subheading 7019.90.10)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 108021. SILVER CATALYST.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.29.26	Silver exceeding 99.9 percent purity, in spherical shapes formed from silver anodes in an electrochemical process, such shapes with surface areas of 80 mm ² or greater (CAS No. 7440-22-4) and ready for use as catalysts (provided for in subheading 7106.91.50)	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 108022. SILVER ROUND BLANKS.**

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.29.27	Silver round blanks (CAS No. 7440-22-4), semimanufactured and weighing not more than 1,000 grams (provided for in subheading 7106.92.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108023. FERROBORON ALLOY.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.29.28	Ferroboron alloys in powders, lumps, granules or chunks (provided for in subheading 7202.99.80)	Free	No change	No change	On or before 12/31/2023	”.
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**4 SEC. 108024. CAST IRON NONMALLEABLE THREADED MAIN
 5 BODY COMBO CASTINGS FOR RESIDENTIAL
 6 FUEL OIL TANKS.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.29.29	Main body combo castings of nonmalleable cast iron designed for residential fuel oil tanks (provided for in subheading 7307.11.00)	Free	No change	No change	On or before 12/31/2023	”.
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**9 SEC. 108025. CAST IRON NONMALLEABLE THREADED VENT
 10 CAPS FOR RESIDENTIAL FUEL OIL TANKS.**

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.29.30	Threaded vent caps of nonmalleable cast iron designed for residential fuel oil tanks (provided for in subheading 7307.11.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108026. CAST IRON NONMALLEABLE THREADED BUSH-**
 2 **INGS FOR RESIDENTIAL FUEL OIL TANKS.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.29.31	Threaded bushings of non-malleable cast iron to be installed to a residential fuel oil tank opening (provided for in subheading 7307.11.00)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108027. CAST IRON NONMALLEABLE THREADED TANK**
 6 **ADAPTERS FOR RESIDENTIAL FUEL OIL**
 7 **TANKS.**

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.29.32	Threaded tank adapters of nonmalleable cast iron designed for residential fuel oil tanks (provided for in subheading 7307.11.00)	Free	No change	No change	On or before 12/31/2023	”.
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10 **SEC. 108028. CAST IRON NONMALLEABLE THREADED FILL**
 11 **ALARM MAIN BODY FOR RESIDENTIAL FUEL**
 12 **OIL TANKS.**

13 Subchapter II of chapter 99 is amended by inserting
 14 in numerical sequence the following new heading:

“	9902.29.33	Fittings of nonmalleable cast iron, each comprising the main body of a fill alarm designed for residential fuel oil tanks (provided for in subheading 7307.11.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108029. CAST IRON NONMALLEABLE THREADED FILL**
 2 **BOX CAPS FOR RESIDENTIAL FUEL OIL**
 3 **TANKS.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.29.34	Threaded fill box caps of nonmalleable cast iron designed for residential fuel oil tanks (provided for in subheading 7307.11.00)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 108030. CAST IRON NONMALLEABLE THREADED LEG**
 7 **FLANGES FOR RESIDENTIAL FUEL OIL**
 8 **TANKS.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.29.35	Threaded leg flanges of nonmalleable cast iron designed for residential fuel oil tanks (provided for in subheading 7307.11.00)	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 108031. PORTABLE GAS COOKING STOVES.**

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.29.36	Portable propane gas camping stoves, each with one adjustable burner rated to generate up to 10,000 British thermal units (BTUs) of power, with casing of steel and pan support of steel covered with porcelain, the foregoing valued \$4 or more but not over \$20 each (provided for in subheading 7321.11.10)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108032. PORTABLE OUTDOOR COOKERS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.29.37	Portable outdoor cookers, fueled by natural gas or propane, put up in sets for retail sale (provided for in subheading 7321.11.10)	1.2%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108033. SELF-ANCHORED BEVERAGE CONTAINERS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.29.38	Self anchoring beverage containers made of stainless steel with a base partially made of orange colored silicone material with said orange silicone base measuring no more than 60.325 mm (provided for in subheading 7323.93.00)	Free	No change	No change	On or before 12/31/2023	”.
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**7 SEC. 108034. STAINLESS STEEL HANDMADE KITCHEN
 8 SINKS.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.29.39	Handmade, top mounted, residential kitchen sinks of stainless steel, consisting of 1 or 2 bowls, 0.64 mm or more but not exceeding 1.2 mm in thickness, 13.97 cm or more but not exceeding 25.4 cm in depth, 43.18 cm or more but not exceeding 55.88 cm in width, and 68.58 cm or more but not exceeding 83.82 cm in length (provided for in subheading 7324.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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11 SEC. 108035. LOOSE FRAME BASKETS.

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.29.40	Steel wire loose frame basket (provided for in subheading 7326.20.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108036. TWO-STORY FIRE ESCAPE LADDERS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.29.41	Fire escape ladders of iron or steel, measuring not over 4.3 m in length when fully extended, with a ladder load rating of 170 kg and designed to be hung from a windowsill measuring 15 cm or more but not over 33 cm in width; such ladders each having window brackets and rungs (stairs) of steel and webbing of nylon that connect the rungs to each other and to the window bracket; with slip resistant rungs and stabilizers, the foregoing designed for residential use and valued not over \$28 each (provided for in subheading 7326.90.86)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108037. THREE-STORY FIRE ESCAPE LADDERS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.29.42	Fire escape ladders of iron or steel, measuring 4.4 m or more but not more than 7.4 m in length when fully extended, with a ladder load rating of 170 kg and designed to be hung from a windowsill measuring 15 cm or more but not over 33 cm in width; such ladders each composed of window brackets and rungs (stairs) of steel and webbing of nylon that connect the rungs to each other and to the window bracket; with slip resistant rungs and stabilizers, the foregoing designed for residential use and valued not over \$47 each (provided for in subheading 7326.90.86) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108038. WORK SUPPORT STANDS OF STEEL.**

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.29.43	Portable work support stands of steel, each with a hand-tightened clamp (provided for in subheading 7326.90.86) ...	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 108039. LOCKING FIXTURES OF IRON OR STEEL.**

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.29.44	Locking fixtures of iron and steel, the foregoing designed to secure moving parts of lithography machine modules or apparatus, and parts thereof (provided for in subheading 7326.90.86)	Free	No change	No change	On or before 12/31/2023	”.
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7 **SEC. 108040. STAINLESS STEEL PHONE HANDLE-AND-STAND**
 8 **ACCESSORIES.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.29.45	Mobile phone handle-and-stand accessories of stainless steel, each comprising two circular slabs measuring 4 mm in thickness, with adhesive on one side of one circular slab, the slabs connected by an adjustable arm; valued not over \$4.50 each (provided for in subheading 7326.90.86)	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 108041. CIRCULAR AND S-SHAPED STAINLESS STEEL**
 12 **CARABINERS.**

13 Subchapter II of chapter 99 is amended by inserting
 14 in numerical sequence the following new heading:

“	9902.29.46	Carabiners or rings made of stainless steel, with a spring-loaded gate used to connect and secure non-load bearing components, valued no more than \$10 (provided for in subheading 7326.90.86)	1%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108042. PIECES OF REFINED UNWROUGHT COPPER
2 CATHODE 99.9999 PERCENT PURE.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.29.47	Pieces of copper cathode, refined and unwrought, 99.9999 percent pure, measured by glow discharge mass spectrometry (GDMS) to have sulfur content not exceeding 150 parts per billion (ppb), aluminum content not exceeding 15 ppb and iron content not exceeding 15 ppb (provided for in subheading 7403.11.00)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 108043. ULTRA-THIN AND WIDE-WIDTH ALUMINUM
6 FOIL.

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.29.48	Aluminum foil (whether or not printed, or backed with paper, paperboard, plastics or similar backing materials), rolled but not further worked, such foil of a thickness (excluding any backing) of 6.35 microns and with a width between 1085 mm to 1899 mm, or of a thickness of 7 microns to 9 microns with a width between 1549 mm to 1899 mm (provided for in subheading 7607.11.30)	1.9%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108044. ETCHED CAPACITOR ALUMINUM FOIL OF A**
 2 **THICKNESS 0.018–0.126 MM.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.29.49	Etched capacitor foil of aluminum, 0.018 mm or more but not over 0.126 mm in thickness, electrochemically oxidized (“formed”) and containing 99.8 percent or more by weight of aluminum, of a kind used for manufacturing electrolytic capacitors (provided for in subheading 7607.19.10)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108045. STOVE TOP COFFEE MAKERS.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.29.50	Kitchen stove top coffee makers of aluminum, each with a capacity not exceeding 3 liters (provided for in subheading 7615.10.71)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 108046. ALUMINUM SHOWER CADDIES.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.29.51	Shower caddies made of aluminum wire with a dimension of 12 mm by 8 mm or less, designed to be hung over shower heads to hold bath accessories (provided for in subheading 7615.20.00)	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 108047. STEP STOOLS OF ALUMINUM.**

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.29.52	Step stools of aluminum, each having three steps, of a width of no less than 22 cm, with a folding safety bar and rubber non-slip feet (provided for in subheading 7616.99.51)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108048. ALUMINUM LADDERS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.29.53	Articulated ladders of aluminum with a ladder load rating of 137 kg consisting of one or more pairs of locking joints and extendable sections, valued not over \$100 (provided for in subheading 7616.99.51)	1.5%	No change	No change	On or before 12/31/2023	”.
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**4 SEC. 108049. CIRCULAR AND S-SHAPED ALUMINUM
 5 CARABINERS.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.29.54	Carabiner or rings of aluminum, either single or double, each with a spring-loaded gate used to connect and secure non-load bearing components, valued no more than \$3.25 (provided for in subheading 7616.99.51)	Free	No change	No change	On or before 12/31/2023	”.
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8 SEC. 108050. STATIONARY SPRINKLERS OF ZINC.

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.29.55	Household irrigation sprinklers of zinc, designed to stay in one spot during use, with no moving irrigation arms and no adjustable watering patterns on the outside, of maximum dimension of 11 cm by 8.1 cm by 3.2 cm (provided for in subheading 7907.00.10)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108051. TUNGSTEN WASTE AND SCRAP.**

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.29.56	Tungsten (wolfram) waste and scrap (provided for in subheading 8101.97.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 108052. COBALT ALLOYS.**

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.29.57	Cobalt alloys (provided for in subheading 8105.20.30)	2.8%	No change	No change	On or before 12/31/2023	”.
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7 **SEC. 108053. CERTAIN GALLIUM (GA).**

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.29.58	Gallium (CAS No. 7440–55–3) (provided for in subheading 8112.92.10), the foregoing other than goods described in heading 9902.15.12	Free	No change	No change	On or before 12/31/2023	”.
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10 **SEC. 108054. NIOBIUM (COLUMBIUM) RINGS NO THICKER**
11 **THAN 20 MM.**

12 Subchapter II of chapter 99 is amended by inserting
13 in numerical sequence the following new heading:

“	9902.29.59	Rings of Niobium (columbium) (other than unwrought, waste and scrap and powders), measuring not over 20 mm in thickness (provided for in subheading 8112.99.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108055. TUNGSTEN SECONDARY RAW MATERIAL.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.29.60	Used cermets and articles thereof, including waste and scrap, the foregoing imported for the extraction of tungsten (provided for in heading 8113.00.00)	Free	No change	No change	On or before 12/31/2023	”.
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**4 SEC. 108056. GEAR-DRIVEN BOLT CUTTERS AND PIPE CUT-
5 TERS.**

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.29.61	Pipe cutters and bolt cutters, each with a gear-driven mechanism (provided for in subheading 8203.40.30)	Free	No change	No change	On or before 12/31/2023	”.
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8 SEC. 108057. ROTARY CUTTERS.

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.29.62	Rotary cutting hand tools, of iron or steel, designed to cut fabrics and craft materials, each with a replaceable circular blade and plastic handle with blade lock (provided for in subheading 8205.51.30) ...	Free	No change	No change	On or before 12/31/2023	”.
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11 SEC. 108058. FOOD GRATERS.

12 Subchapter II of chapter 99 is amended by inserting
13 in numerical sequence the following new heading:

“	9902.29.63	Food graters with blades or working surfaces of base metal, with nonworking parts of plastic, such graters not exceeding 31 cm in overall length (provided for in subheading 8205.51.30)	0.8%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108059. HAND TOOLS FOR APPLYING PLASTIC CLIP**
 2 **FASTENERS TO GARMENTS.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.29.64	Hand tools of plastics, designed for insertion and application of plastic clip fasteners, such hand tools each with an outer body and internal mechanism of plastics, containing a replaceable hollow steel needle with an outside diameter measuring less than 2.4 mm through which a fastener is fed and inserted into the intended target material (provided for in subheading 8205.59.80)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108060. STEEL WORKSTATIONS WITH VISES ADJUST-**
 6 **ABLE BY FOOT PEDAL.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.29.65	Clamping workstations, each with steel vise, adjustable by foot pedal lever, weighing less than 20 kg, with a jaw width between 0 and 94 cm (provided for in subheading 8205.70.00)	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 108061. FIXED CARBIDE CUTTER AND ROLLER CONE**
 10 **DRILL BITS.**

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.29.66	Rotary rock drill bits, and parts thereof, each such bit with cutting part containing by weight over 0.2 percent of chromium, molybdenum or tungsten or over 0.1 percent of vanadium (provided for in subheading 8207.19.30), designed for use with rock drilling and earth boring tools of heading 8430	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108062. ROTARY FOOD GRATERS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.29.67	Rotary food graters, each incorporating blade drums of stainless steel and a suction base, operated by hand, weighing not more than 1.5 kg (provided for in heading 8210.00.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108063. COFFEE PRESSES.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.29.68	Coffee presses designed to brew ground coffee, each consisting of a glass cylinder, a plastic or metal handle or frame and a stainless steel mesh filter; the foregoing having a capacity of 0.5 liters or more but not over 1.5 liters (provided for in heading 8210.00.00)	1.1%	No change	No change	On or before 12/31/2023	”.
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**7 SEC. 108064. VACUUM INSULATED COFFEE SERVERS WITH
 8 A BREW-THROUGH LID.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.29.69	Vacuum insulated coffee servers with liners of steel, each with a capacity over 2 liters, having a brew-through lid, feet attached to the base and a hole at bottom of server for lever faucet attachment (provided for in heading 8210.00.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108065. VACUUM INSULATED COFFEE SERVERS WITH**
 2 **NO LID.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.29.70	Vacuum insulated coffee servers with liners of steel, each with a capacity over 2 liters, presented with base with feet but no lid and with a hole at bottom of server for lever faucet attachment (provided for in heading 8210.00.00) ...	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108066. VACUUM INSULATED COFFEE SERVERS WITH**
 6 **FITTED HINGED LID.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.29.71	Vacuum insulated coffee servers, each with outer layer and liner of steel, with a capacity over 2 liters, with tightly fitted hinged lid with a center hole designed to allow brewed beverages to pass directly into such server with top lever action for dispensing and steel base plate (provided for in heading 8210.00.00) ...	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 108067. COMMERCIAL VACUUM INSULATED COFFEE**
 10 **SERVERS WITH SIGHT GAUGE.**

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.29.72	Commercial vacuum insulated coffee servers, each with outer layer and liner of steel, plastic base, a capacity over 2 liters, plastic carrying handle, bottom lever faucet, see-through contents window and a brew-thru lid (provided for in heading 8210.00.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108068. COMMERCIAL VACUUM INSULATED COFFEE**

2 **SERVERS WITH PLASTIC BASE.**

3 Subchapter II of chapter 99 is amended by inserting

4 in numerical sequence the following new heading:

“	9902.29.73	Commercial vacuum insulated coffee servers, each with outer layer and liner of steel, plastic base, capacity over 2 liters, plastic carrying handle, bottom lever faucet and brew-thru lid (provided for in heading 8210.00.00)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108069. COMMERCIAL VACUUM INSULATED COFFEE**

6 **SERVERS WITH PLASTIC BASE AND STAND.**

7 Subchapter II of chapter 99 is amended by inserting

8 in numerical sequence the following new heading:

“	9902.29.74	Commercial vacuum insulated coffee servers, each with outer layer and liner of steel, with plastic base and stand, with a capacity over 2 liters, with plastic carrying handle, with bottom lever faucet and brew-thru lid (provided for in heading 8210.00.00)	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 108070. CRAFT KNIVES WITH FIXED PEN-LIKE OR RE-**

10 **TRACTABLE BLADES.**

11 Subchapter II of chapter 99 is amended by inserting

12 in numerical sequence the following new heading:

“	9902.29.75	Craft knives with fixed pen-like or retractable blade design, each with removable thin angled or scoop like blades of steel; such knives measuring between 152.4 mm and 228.6 mm in length and between 6.35 mm and 25.4 mm in diameter, valued between \$0.50 and \$2 each (provided for in subheading 8211.93.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108071. CRAFT KNIVES.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.29.76	Craft knives, each with thermoplastic over mold grip, maximum handle dimensions measuring 135 mm in length, 26 mm in width and 17 mm in height (provided for in subheading 8211.93.00); the foregoing other than craft knives with fixed pen-like or retractable blade design, with removable scoop like blades of steel	Free	No change	No change	On or before 12/31/2023	”.
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**4 SEC. 108072. BLADES FOR CRAFT KNIVES WITH NON-FIXED
 5 BLADES.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.29.77	Blades for craft knives, non-fixed, angled or scoop like shaped; such blades not over 58 mm in length (provided for in subheading 8211.94.50)	Free	No change	No change	On or before 12/31/2023	”.
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8 SEC. 108073. ERGONOMIC PINKING SHEARS.

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.29.78	Ergonomic pinking shears, valued over \$30/dozen, with contoured plastic handles and with stainless steel blades, with the lower blade extending a minimum of 7 mm past the end of the upper blade (provided for in subheading 8213.00.60)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108074. SPRING-ACTION SCISSORS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.29.79	Scissors, each with a spring-action design that also features a slide lock and with only 1 loop handle, valued over \$1.75/dozen (provided for in subheading 8213.00.90), the foregoing other than goods described in heading 9902.15.30	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108075. ELECTRONIC LOCKS FOR LOCKERS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.29.80	Electronically actuated locks, of a kind used for locking furniture, each enclosed in metal housing and operated by a keypad or radio-frequency identification device (RFID), such goods each containing a key slot to operate the lock with an electronic key with a built-in power jumper (provided for in subheading 8301.30.00) ...	1.6%	No change	No change	On or before 12/31/2023	”.
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**7 SEC. 108076. LUGGAGE LOCKS OF BASE METAL, PACKAGED
 8 FOR RETAIL SALE.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.29.81	Luggage locks of base metal, packaged for retail sale, of a type compliant with standards of the Transportation Security Administration, such locks each keyed for opening with a universal master tool made and patented in the United States (provided for in subheading 8301.40.30) ...	Free	No change	No change	On or before 12/31/2023	”.
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**1 SEC. 108077. KEY-OPERATED DOOR HANDLES, PUSH-PULL-
2 ROTATE.**

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.29.82	Door locks, locksets and other locks of base metal, key-operated, suitable for use with interior or exterior doors, but excluding garage, overhead or sliding doors; such locks capable of unlatching door knobs or levers by pushing, pulling or rotating (provided for in subheading 8301.40.60)	Free	No change	No change	On or before 12/31/2023	”.
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**5 SEC. 108078. VENT MOUNTED MAGNETIC MOBILE PHONE
6 HOLDER FOR AUTOMOBILES.**

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.29.83	Hands-free cell phone mounts of base metal, suitable for mounting cell phones to the air vents of motor vehicles, each with a 25 mm diameter polished steel ball securely mounted on an aluminum die cast base containing a two-prong lever-release clip and a ring-shaped magnet socket filled with a silicone pad (provided for in subheading 8302.30.30)	1.3%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108079. DASH MOUNTED MAGNETIC MOBILE PHONE**
 2 **HOLDER FOR AUTOMOBILES.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.29.84	Hands-free cell phone mounts of base metal, suitable for mounting cell phones to the dashboard of motor vehicles, each with of a 25 mm diameter polished steel ball securely mounted on a machined aluminum base with adhesive material and a ring-shaped magnet socket filled with a silicone pad (provided for in subheading 8302.30.30)	0.9%	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108080. WINDSHIELD MOUNTED MAGNETIC MOBILE**
 6 **PHONE HOLDER FOR AUTOMOBILES.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.29.85	Hands-free cell phone mounts of base metal, suitable for mounting cell phones to the windshield of motor vehicles, each with a 25 mm diameter polished steel ball securely mounted on a stamped and formed aluminum arm with a 72 mm diameter suction device and a ring-shaped magnet socket filled with a silicone pad (provided for in subheading 8302.30.30)	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 108081. STEEL LATCHES WITH PLASTIC PLUNGERS.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.29.86	Steel latches, each measuring 5 cm in length and designed to secure the steps of a recreational vehicle in a locked position, such latches each containing a plunger of plastic measuring 1.7 cm by 1.5 cm and a compression spring (provided for in subheading 8302.30.30)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108082. NON-KEY-OPERATED DOOR HANDLES.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.29.87	Non-key-operated door handle assemblies, of base metal, suitable for use with interior or exterior doors, excluding garage, overhead or sliding doors; the foregoing with handles capable of opening a door by pushing, pulling or rotating (provided for in subheading 8302.41.60)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108083. CURTAIN RINGS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.29.88	Curtain or drapery rings of base metal, specially designed for use with curtain or drapery rods, presented in sets of 10 rings (provided for in subheading 8302.41.60)	2.2%	No change	No change	On or before 12/31/2023	”.
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7 SEC. 108084. BRACKETS.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.29.89	Brackets of iron or steel, of aluminum or of zinc, such brackets specially designed for use with curtain or drapery rods (provided for in subheading 8302.41.60)	2.5%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108085. CURTAIN RODS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.29.90	Telescoping curtain rods of base metal, whether or not presented with mounting hardware (provided for in subheading 8302.41.60)	1.8%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108086. CURTAIN ROD HARDWARE.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.29.91	Endeaps of base metal, specially designed for use with curtain or drapery rods (provided for in subheading 8302.41.60)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 108087. CURTAIN TIEBACKS.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.29.92	Tiebacks of base metal, specially designed for use with curtains or drapes (provided for in subheading 8302.41.60)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 108088. CURTAIN ROD FINIALS.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.29.93	Finials of base metal, specially designed for use with curtain or drapery rods (provided for in subheading 8302.41.60)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108089. CURVED SHOWER RODS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.29.94	Curved shower rods of stainless steel and aluminum, each capable of being installed by tension or by mounting with wall brackets (provided for in subheading 8302.41.60)	0.8%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108090. SHOWER HOOKS AND RINGS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.29.95	Shower curtain hooks or rings, the foregoing of aluminum, of iron or steel or of zinc (provided for in subheading 8302.41.60)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 108091. STRAIGHT SHOWER RODS.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.29.96	Straight shower rods, of aluminum or stainless steel, either designed to be mounted by means of tension or incorporating a dual mount permitting the mounting by either tension or by use of a bracket (provided for in subheading 8302.41.60)	1.1%	No change	No change	On or before 12/31/2023	”.
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10 SEC. 108092. STEEL WINDOW RODS.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.29.97	Tension or screw-mount curtain or drapery rods, made of closed tubing of steel (provided for in subheading 8302.41.60); the foregoing other than telescoping curtain rods of base metal	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108093. ANTITHEFT STEEL CASES WITH DIGITAL**
 2 **LOCKS.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.29.98	Reinforced safes of welded steel, each weighing 11.8 kg or less, valued \$19 or more but not over \$38, with digital lock (provided for in heading 8303.00.00)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108094. STAINLESS STEEL HOSE KITS.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.29.99	Mechanical kits each containing flexible hoses of base metal with fittings, clamps, manifolds and other hardware designed for use with machines and apparatus of subheading 8486.20.00 (provided for in subheading 8307.10.30)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 108095. STAINLESS STEEL HOSES.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.30.01	Flexible stainless steel hoses with fittings, designed for used with machines and apparatus of subheading 8486.20.00 (provided for in subheading 8307.10.30); the foregoing not presented in kits containing goods described in other subheadings	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 108096. WRIST WATCH STRAP BUCKLES NOT OVER 18**
 12 **MM.**

13 Subchapter II of chapter 99 is amended by inserting
 14 in numerical sequence the following new heading:

“	9902.30.02	Buckles of stainless steel, of a kind used for wrist watch straps measuring not over 18 mm (provided for in subheading 8308.90.60)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108097. WRIST WATCH STRAP BUCKLES OVER 18 MM.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.30.03	Buckles of stainless steel, of a kind used for wrist watch straps measuring over 18 mm (provided for in subheading 8308.90.60)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108098. USED CYLINDER HEADS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.30.04	Used cast-iron cylinder heads designed for use in spark-ignition internal combustion piston engines (provided for in subheading 8409.91.99) ...	0.8%	No change	No change	On or before 12/31/2023	”.
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7 SEC. 108099. CYLINDER HEADS USED SOLELY OR PRIN-
8 CIPALLY WITH CERTAIN ENGINES.

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.30.05	Cast-iron cylinder heads for use solely or principally with engines of heading 8708, such engines designed to be installed in vehicles classifiable in subheading 8701.20 or 8704.23 and with bore greater than 126 mm (provided for in subheading 8409.99.91)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108100. ENGINE BLOCKS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.30.06	Engine blocks, each weighing over 272 kg but not over 317 kg, for compression-ignition internal combustion piston engines (diesel or semi-diesel engines), such engines each having a cylinder capacity of approximately 12.4 liters and for vehicles of subheading 8701.20 or 8704.23 (provided for in subheading 8409.99.91)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108101. SWIRLER ASSEMBLIES FOR TURBINES.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.30.07	Swirler assemblies, designed to be used in non-aircraft gas turbines (provided for in subheading 8411.99.90)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 108102. BARRELS FOR FUEL MIXING.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.30.08	Barrels of nickel alloy, for fuel mixing within non-aircraft gas turbines of heading 8411 (provided for in subheading 8411.99.90)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 108103. INJECTOR ASSEMBLIES FOR CERTAIN TUR-
11 BINES.

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.30.09	Injector assemblies of fuel injection components, designed to deliver fuel in the combustion system for use in non-aircraft gas turbines of heading 8411 (provided for in subheading 8411.99.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108104. STEM ASSEMBLIES FOR CERTAIN TURBINES.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.30.10	Fuel tube air-swirlers forming stem assemblies of nickel alloys and stainless steel for use in non-aircraft gas turbines of heading 8411 (provided for in subheading 8411.99.90)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108105. TIP ASSEMBLIES FOR NON-GAS TURBINES.

5 Subchapter II of chapter 99 is amended by inserting

6 in numerical sequence the following new heading:

“	9902.30.11	Tip assemblies of nickel alloy, for use in non-aircraft gas turbines of heading 8411 (provided for in subheading 8411.99.90)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 108106. HIGH PRESSURE FUEL PUMPS.

8 Subchapter II of chapter 99 is amended by inserting

9 in numerical sequence the following new heading:

“	9902.30.12	High pressure fuel pumps, each incorporating a dual layered damper enclosed with a multi-step stamped cover to aid in stabilizing pressure, certified by the importer to be used in regulating the fuel supply into the fuel rail, designed for use in gasoline direct injection (GDI) spark-ignition internal combustion piston engines (provided for in subheading 8413.30.90); the foregoing other than used goods	1.3%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108107. DRY SCROLL VACUUM PUMPS 364X333X485 MM.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.30.13	Dry scroll vacuum pumps, measuring approximately 364 mm in height, 333 mm in width and 485 mm in length, valued over \$1,000 each (provided for in subheading 8414.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108108. DRY SCROLL VACUUM PUMPS 297X260X420 MM.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.30.14	Dry scroll vacuum pumps, measuring approximately 297 mm in height, 260 mm in width and 420 mm in length, valued over \$1,000 each (provided for in subheading 8414.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 108109. DRY SCROLL VACUUM PUMPS 254X260X420 MM.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.30.15	Dry scroll vacuum pumps, each measuring approximately 254 mm in height, 260 mm in width and 420 mm in length and valued over \$1,000 (provided for in subheading 8414.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 108110. DRY SCROLL VACUUM PUMPS 181X140X358 MM.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.30.16	Dry scroll vacuum pumps, each measuring approximately 181 mm in height, 140 mm in width and 358 mm in length and valued over \$1,000 (provided for in sub-heading 8414.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108111. TURBOMOLECULAR VACUUM PUMPS.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.30.17	Turbomolecular vacuum pumps, valued over \$1,000 each (provided for in sub-heading 8414.10.00)	0.2%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108112. ROTARY VANE VACUUM PUMPS VALUED OVER

5 \$500 EACH.

6 Subchapter II of chapter 99 is amended by inserting

7 in numerical sequence the following new heading:

“	9902.30.18	Rotary vane vacuum pumps, incorporating vanes mounted to a rotor inside a cavity, such pumps valued over \$500 each (provided for in sub-heading 8414.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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8 SEC. 108113. VACUUM DIFFUSION PUMPS VALUED OVER

9 \$900 EACH.

10 Subchapter II of chapter 99 is amended by inserting

11 in numerical sequence the following new heading:

“	9902.30.19	Vacuum diffusion pumps, using a high speed jet of vapor to direct gas molecules, valued over \$900 each (provided for in subheading 8414.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108114. HAND- OR FOOT-OPERATED AIR PUMPS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.30.20	Hand- or foot-operated air pumps (provided for in subheading 8414.20.00)	2.8%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108115. ROOF VENT FANS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.30.21	Ventilation fans, designed for permanent installation on the rooftop of recreational and specialty vehicles, each consisting of an electric D/C motor with an output wattage over 9 W but not exceeding 28 W, a plastic fan blade of a diameter between 15.24 cm and 30.48 cm and a base plate (provided for in subheading 8414.51.30)	2.8%	No change	No change	On or before 12/31/2023	”.
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7 SEC. 108116. 12-AMP CORDED ELECTRIC LEAF BLOWERS.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.30.22	Electric centrifugal blowers, of a kind used solely or principally for blowing leaves, each with a self-contained AC electric motor not exceeding 12 A and an output not exceeding 1.45 kW (provided for in subheading 8414.59.65)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 108117. CORDLESS BATTERY POWERED LEAF BLOW-
11 ERS NOT EXCEEDING 20 VOLTS.

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.30.23	Centrifugal blowers of a kind used solely or principally for blowing leaves, each powered by a self-contained DC lithium-ion battery not exceeding 20 V and an output not exceeding 0.04 kW (provided for in subheading 8414.59.65)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108118. CORDLESS BATTERY POWERED LEAF BLOW-
2 ERS BETWEEN 20 AND 60 V.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.30.24	Centrifugal blowers of a kind used solely or principally for blowing leaves, each powered by a self-contained DC lithium-ion battery greater than 20 V but not exceeding 60 V, and of an output greater than 0.04 kW but not exceeding 0.12 kW (provided for in subheading 8414.59.65)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 108119. FAN ASSEMBLIES FOR CAB CLIMATE SYSTEMS.

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.30.25	Centrifugal fans designed to be used in cab climate systems, for heating, cooling or air circulation units in machinery or vehicles of headings 8429, 8701 or 8704 (provided for in subheading 8414.59.65)	Free	No change	No change	On or before 12/31/2023	”.
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8 SEC. 108120. AQUARIUM AIR PUMPS.

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.30.26	Air pumps designed for use in aquarium tanks having a volume of 3.78 liters or more but not over 1,135.7 liters, such pumps with housings of plastics and feet of rubber, powered by 120 V AC (provided for in subheading 8414.80.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108121. HEAT PUMPS FOR RESIDENTIAL USE.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.30.27	Heat pumps designed for residential use, each with copper piping, an aluminum plate-fin heat exchanger, a rotary inverter compressor and a fan covered with galvanized steel sheets, such pumps measuring between 555 mm and 702 mm in height, between 770 mm and 845 mm in width and between 300 mm and 363 mm in depth (provided for in subheading 8415.90.80)	Free	No change	No change	On or before 12/31/2023	”.
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**4 SEC. 108122. HEAT PUMPS (OUTDOOR UNITS) FOR SPLIT
 5 AIR CONDITIONER SYSTEMS.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.30.28	Heat pumps (outdoor units) designed for use with split air conditioner systems for residential use, such units consisting of copper piping, an aluminum plate-fin heat exchanger, a rotary inverter compressor and a fan, all of which is covered with galvanized steel sheets to form units measuring between 703 mm and 810 mm in height, between 845 mm and 946 mm in width and between 335 mm and 386 mm in depth (provided for in subheading 8415.90.80)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108123. HIGH-WALL INDOOR UNITS.**

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.30.29	Heat pumps designed for residential use, consisting of a fan coil, electrical circuit boards, electrical components and motors, covered in a molded plastic casing, such heat pumps measuring between 280 mm and 343 mm in height, between 835 mm and 1,186 mm in width and between 198 mm and 258 mm in depth (provided for in subheading 8415.90.80)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 108124. SINGLE-ZONE OUTDOOR UNITS.**

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.30.30	Heat pumps designed for residential use, each consisting of a rotary compressor, a fan coil and aluminum plate-fin heat exchanger, covered in galvanized steel, such heat pumps measuring between 300 mm and 322 mm in depth, 770 mm in width and 555 mm in height (provided for in subheading 8415.90.80)	Free	No change	No change	On or before 12/31/2023	”.
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7 **SEC. 108125. MINI HEAT PUMPS FOR SPLIT AIR CONDIT-**
 8 **IONER SYSTEMS.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.30.31	Heat pumps (outdoor units) designed for use with split air conditioner systems for residential use, such units each consisting of copper piping, aluminum plate-fin heat exchanger, a rotary inverter compressor and a pair of fans, all of which is covered with galvanized steel sheets to form units measuring 1,327.15 mm in height, 901.7 mm in width and 400 mm in depth (provided for in subheading 8415.90.80)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108126. MULTI-ZONE OUTDOOR UNIT DUCTLESS SYS-**
 2 **TEMS.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.30.32	Heat pumps designed for residential use, each consisting of copper piping, aluminum plate-fin heat exchanger, a rotary inverter compressor, a pair of fans and covered in galvanized steel sheets, such heat pumps measuring 1,333 mm in height, 1,045 mm in width and 380 mm in depth (provided for in subheading 8415.90.80)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108127. INDOOR UNITS OF SPLIT AIR CONDITIONER**
 6 **SYSTEMS.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.30.33	Indoor units of split air conditioner systems, designed for use with ducted systems, consisting of motors, pumps and fans covered in steel casing, such units measuring approximately 1,400 mm in width, 447 mm in height and 898 mm in depth (provided for in subheading 8415.90.80)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108128. DUCTLESS 18000 BTU HEAT PUMPS, SINGLE**
 2 **ZONE INVERTER.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.30.34	Heat pumps designed for residential use with ductless air conditioning machines, each with a motor, a fan, brazed tubes and aluminum plate-fin heat exchanger and covered in sheet metal, such heat pumps measuring between approximately 551.2 mm and 1,341.12 mm in height, between 779.8 mm and 899.2 mm in width and between 289.6 mm and 680.7 mm in depth (provided for in subheading 8415.90.80)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108129. SINGLE-PHASE HEAT PUMP.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.30.35	Heat pumps designed for residential use with both ducted and ductless systems, each with two fans, finned tube and hermetic rotary compressor and covered in galvanized steel, measuring 154.9 cm in height, 101.1 cm in width and 37.1 cm in depth (provided for in subheading 8415.90.80)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 108130. STEEL VACUUM PITCHERS WITH PLASTIC**
 9 **HINGED LID.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.30.36	Vacuum insulated thermal pitchers, each with stainless steel interior and exterior, with a capacity exceeding 1 liter but not exceeding 2 liters, measuring approximately 27.9 cm or more but not over 30.5 cm in height, with plastic brew-through lid for direct brewing and plastic spout and handle for pouring, used and marketed for commercial coffee brewers of subheading 8419.81 (provided for in subheading 8419.90.95)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108131. OIL FILTERS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.30.37	Oil filters for use solely or principally with diesel engines, such engines producing 63 kW of power (provided for in subheading 8421.23.00) ...	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108132. BATTERY POWERED NASAL IRRIGATORS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.30.38	Battery-operated personal nasal irrigators (provided for in subheading 8424.89.90) ...	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 108133. STRUTS TO ABSORB VIBRATION.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.30.39	Spring struts designed to absorb vibration in household- or laundry-type washing machines, such struts each measuring in overall length 350 mm or more but not over 380 mm and in diameter approximately 35 mm or more but not over 40 mm, with 8 mm threads at each end (provided for in subheading 8450.90.60)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108134. TABLE SAWS (25.4 CM.), OPERABLE CORDED**
 2 **AND CORDLESS.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.30.40	Brushless table saws for working wood, cork, bone, hard rubber, hard plastics or similar hard materials, each capable of being powered by either a 36 V DC lithium-ion battery or by AC power, with blade measuring 25.4 cm (provided for in subheading 8465.91.00), the foregoing other than goods described in any other heading of this subchapter	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108135. SLIDING MITER SAWS (25.4 CM) WITH LASER,**
 6 **CORDED AND CORDLESS.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.30.41	Brushless miter sawing machines, each capable of being powered by either a 36 V DC lithium-ion battery or by AC power, not numerically controlled, for working wood, cork, bone, hard rubber, hard plastics or similar hard materials, with 25.4 cm blade, capable of adjusting bevel of cut, with laser guides and slide rail (provided for in subheading 8465.91.00)	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 108136. ELECTROMECHANICAL ROTARY HAMMERS,**
 10 **CORDED AND CORDLESS.**

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.30.42	Rotary hammer tools, of a kind for working in the hand, each with self-contained brushless electromechanical motor, such tools capable of performing drilling and chiseling and of being powered both by a 36 V DC lithium-ion battery and by AC power, with a minimum speed of 260 RPM and a maximum speed of 590 RPM (provided for in subheading 8467.21.00)	0.9%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108137. ELECTROMECHANICAL HAMMER IMPACT
2 DRIVERS, CORDED AND CORDLESS.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.30.43	Hand-held brushless electromechanical impact drivers, designed to drive screws at varying speeds, each capable of being powered by a 36 V DC lithium-ion battery or by AC power as required by the user (provided for in subheading 8467.21.00)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 108138. ROTARY HAMMER DRILL TOOLS WITH SELF-
6 CONTAINED ELECTRIC MOTOR.

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.30.44	Rotary drill and hammer tools with self-contained electric motor, each with pneumatic hammering mechanism designed to engage with carbide drill bits and an electromechanical mechanism that separates the drive from the internal gearings, each with rated amperage that does not exceed 9 A, and with triaxial vibration values, measured in accordance with European Norm 60745, that does not exceed 17 m/s ² (provided for in subheading 8467.21.00)	0.5%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108139. DRILL DRIVER TOOLS WITH SELF-CONTAINED
2 ELECTRIC MOTOR.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.30.45	Drill driver tools with self-contained electric motor, each encased in a rubberized glass-fiber reinforced casing that engages a smooth or slotted shank drill-bit, powered by 10.8 V, 21.6 V or 120 V, with rated amperage that does not exceed 12 A, and with triaxial vibration values, measured in accordance with European Norm 60745, that does not exceed 3.5 m/s ² (provided for in subheading 8467.21.00)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 108140. EXTRUDERS.

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.30.46	Extruders, designed for processing thermoplastics, with a screw size of 6.4 cm or greater (provided for in subheading 8477.20.00)	2.2%	No change	No change	On or before 12/31/2023	”.
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8 SEC. 108141. THREE-DIMENSIONAL DRAWING PENS.

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.30.47	Three-dimensional (3D) drawing devices, each with an exterior on/off switch, dual control buttons to activate the device's motor or control speed of extruding filament, removable metal nozzle and removable maintenance panel, such drawing devices measuring between 10 mm and 50 mm in length and between 5 mm and 20 mm in width (provided for in subheading 8477.80.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108142. PROFESSIONAL GRADE THREE-DIMENSIONAL**
 2 **DRAWING PENS.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.30.48	Three-dimensional (3D) drawing devices, each with dual control buttons to activate the device’s motor or control the direction of the extruding filament, an exterior liquid crystal display (LCD), a magnetically affixed removable panel and removable metal nozzle, such drawing devices measuring between 5 cm and 15 cm in length and between 1 cm and 3 cm in width (provided for in subheading 8477.80.00) ...	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108143. ELECTRIC MULTI-FUNCTIONAL BLOWER VACU-**
 6 **UMS.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.30.49	Electromechanical appliances capable of blowing, vacuuming and mulching, each with a self-contained AC electric motor not exceeding 12 A and an output not exceeding 1.45 kW (provided for in subheading 8479.89.65)	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 108144. AUTOSAMPLERS (MULTISAMPLERS) FOR LIQ-**
 10 **UID CHROMATOGRAPHS.**

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.30.50	Autosamplers (“multisamplers”) for liquid chromatographs, such autosamplers capable of lifting and handling both microliter plates and vials and each measuring approximately 320 mm in height, 468 mm in depth and 396 mm in width (provided for in subheading 8479.89.94)	0.2%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108145. AUTOSAMPLERS (VIALSAMPLERS) FOR LIQUID
2 CHROMATOGRAPHS.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.30.51	Autosamplers (“vialsamplers”) for liquid chromatographs, such autosamplers capable of lifting and handling only vials and measuring approximately 320 mm in height, 468 mm in depth and 396 mm in width (provided for in subheading 8479.89.94)	0.5%	No change	No change	On or before 12/31/2023	”.
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5 SEC. 108146. HYDRAULIC HAMMER ASSEMBLY.

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.30.52	Hydraulic hammers designed for use on backhoes, shovels, clamshells or draglines and suitable for use in demolishing concrete or asphalt (provided for in subheading 8479.89.94)	2.2%	No change	No change	On or before 12/31/2023	”.
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8 SEC. 108147. SEGMENTED BLADDER-OPERATED MOLDS,
9 WITH MORE THAN 25-INCH RIM DIAMETER.

10 Subchapter II of chapter 99 is amended by inserting
11 in numerical sequence the following new heading:

“	9902.30.53	Segmented bladder-operated molds, designed to be used for molding/forming and curing “green tires” with a rim diameter measuring over 63.5 cm (provided for in subheading 8480.79.90), such tires for off-the-road use	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108148. USED VALVES FOR DIRECTIONAL CONTROL.

2 Subchapter II of chapter 99 is amended by inserting

3 in numerical sequence the following new heading:

“	9902.30.54	Used hydraulic directional control valves (provided for in subheading 8481.20.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108149. KEG SPEARS WITH PRESSURE RELEASE

5 VALVES.

6 Subchapter II of chapter 99 is amended by inserting

7 in numerical sequence the following new heading:

“	9902.30.55	Keg spears, each with automatic (not hand operated) relief valve designed to release pressure at approximately 30 bar (provided for in subheading 8481.40.00)	Free	No change	No change	On or before 12/31/2023	”.
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8 SEC. 108150. MULTIPORT DISTRIBUTION CONTROLLERS.

9 Subchapter II of chapter 99 is amended by inserting

10 in numerical sequence the following new heading:

“	9902.30.56	Solenoid actuated valves equipped with multiple apparatus (up to two sub multiport distribution controllers) for electrical control and 6, 8, 10 or 16 ports for variable refrigerant flow all of which is covered in a galvanized steel plate box with white powder coating, such valves measuring 323.85 mm in height and between 939.8 mm and 1,181.1 mm in width (provided for in subheading 8481.80.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108151. SUBSEA MODULAR TREES.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.30.57	Subsea trees, each comprising an assembly of valves, capable of regulating and containing the hydrocarbon flow from a well, such trees also capable of preventing the release of hydrocarbons from a well into the environment (provided for in subheading 8481.80.90)	1.5%	No change	No change	On or before 12/31/2023	”.
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**4 SEC. 108152. FLOW SELECTOR UNIT-MULTI-PORT 6-BRANCH
 5 ENGINE CRANKSHAFTS.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.30.58	Solenoid actuated control valves consisting of brazed copper pipes and galvanized steel plates, each designed for use with residential heat pumps and fan coils and measuring 215.9 mm in height, 1,056.64 mm in width and 568.96 mm in length (provided for in subheading 8481.80.90)	Free	No change	No change	On or before 12/31/2023	”.
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8 SEC. 108153. ENGINE CRANKSHAFTS.

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.30.59	Engine crankshafts used in engines under headings 8407 or 8408, such crankshafts weighing between 275 kg and 650 kg, or between 100 kg and 130 kg (provided for in subheading 8483.10.30), the foregoing other than goods described in heading 9902.15.96	1.5%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108154. TURBOCHARGER JOURNAL BEARINGS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.30.60	Journal bearings, each designed to support and permit free rotation of a rotor within a turbocharger (provided for in subheading 8483.30.80) ...	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108155. MID-RANGE BEARING HOUSINGS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.30.61	Mid-range bearing housings, shell cast and sand molded, of gray cast iron, machine finished and designed for compression-ignition internal combustion diesel engines with cylinder capacities of 5.9 liters or more but not exceeding 10 liters, each bearing housing with an overall length between 55 mm and 135 mm and weighing at least 6 kg but not over 25 kg (provided for in subheading 8483.30.80)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 108156. HEAVY DUTY BEARING HOUSINGS.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.30.62	Heavy duty bearing housings, shell cast and sand molded of gray cast iron, machine finished, designed for compression-ignition internal combustion diesel engines, such engines with cylinder capacity of 10 liters or more but not exceeding 16 liters, each bearing housing with an overall length between 55 mm and 135 mm and weighing 6 kg or more but not exceeding 25 kg (provided for in subheading 8483.30.80)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108157. FIXED RATION GEAR BOXES.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.30.63	Fixed ratio gearboxes designed for use with generating sets of heading 8502 (provided for in subheading 8483.40.50)	2.4%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108158. TRACK DRIVE GEAR BOXES.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.30.64	Track drive gear boxes, designed for use in machinery of heading 8429 or 8436 (provided for in subheading 8483.40.50)	1.5%	No change	No change	On or before 12/31/2023	”.
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7 SEC. 108159. SWING BEARING ASSEMBLY.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.30.65	Geared swing bearing assemblies, of a kind used to rotate the cab of machinery described in subheading 8429.52.10 (provided for in subheading 8483.90.50)	1.5%	No change	No change	On or before 12/31/2023	”.
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**10 SEC. 108160. GEARS FOR USE IN MACHINERY OR WITHIN
 11 ENGINES.**

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.30.66	Transmission timing gears or gear drive gears, the foregoing of alloy steel and designed to be used in machinery or within an engine, such gears each weighing between 1.885 kg and 500 kg, measuring between 30 mm and 505 mm in diameter and between 15 mm and 285 mm in width (provided for in subheading 8483.90.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108161. 14Y STEPPER MOTORS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.30.67	Electric DC stepper motors of an output under 18.65 W, measuring between 20 mm and 39 mm in length (provided for in subheading 8501.10.40)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108162. AIR DOOR ACTUATORS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.30.68	Air door actuator DC motor of an output under 18.65 W for heating, ventilating and air conditioning (HVAC) climate-control systems (provided for in subheading 8501.10.40)	2.1%	No change	No change	On or before 12/31/2023	”.
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7 SEC. 108163. SERVO MOTORS.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.30.69	Ferrite type DC electric motors, of a kind used to control air temperature in permanently installed heating, ventilation and air conditioning systems in the automotive industry, each motor with an operating voltage ranging between 8 V and 14.5 V (amp side voltage ranging between 10 V and 16 V), ring varistor, brush and D cut output shaft (provided for in subheading 8501.10.40)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108164. DC BRUSHED RHOMBIC WINDING NDFEB MAG-
2 NET MOTORS, WITH OUTPUT UNDER 18.65 W.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.30.70	Electric DC, brushed, ironless core motors with rhombic winding and NdFeB magnets, each motor with an output under 18.65 W and a diameter exceeding 8 mm but not exceeding 15 mm (provided for in subheading 8501.10.40)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 108165. DC BRUSHED RHOMBIC WINDING NDFEB MAG-
6 NET MOTORS.

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.30.71	Electric DC, brushed, ironless core motors with rhombic winding and NdFeB magnets, each motor with an output under 18.65 W and a diameter exceeding 15 mm (provided for in subheading 8501.10.40)	0.4%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108166. DC BRUSHED RHOMBIC WINDING ALNICO**
 2 **MAGNET MOTORS, WITH OUTPUT UNDER**
 3 **18.65 W.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.30.72	Electric DC, brushed ironless core motors with rhombic winding and AlNiCo magnets, each motor with an output under 18.65 W (provided for in subheading 8501.10.40) ...	0.2%	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 108167. DC BRUSHLESS RHOMBIC WINDING NDFEB**
 7 **MAGNET MOTORS, WITH OUTPUT UNDER**
 8 **18.65 W.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.30.73	Electric DC, brushless slotless motors with rhombic winding and NdFeB magnets, each motor with an output under 18.65 W and a diameter exceeding 8 mm (provided for in subheading 8501.10.40)	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 108168. DC BRUSHED RHOMBIC WINDING NDFEB MAG-**
 12 **NET MOTORS, WITH OUTPUT OVER 18.65 BUT**
 13 **NOT OVER 37.5 W.**

14 Subchapter II of chapter 99 is amended by inserting
 15 in numerical sequence the following new heading:

“	9902.30.74	Electric DC, brushed, ironless core motors with rhombic winding and NdFeB magnets, each motor with an output of 18.65 W or more but not exceeding 37.5 W (provided for in subheading 8501.10.60)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108169. DC BRUSHED RHOMBIC WINDING ALNICO**
 2 **MAGNET MOTORS, WITH OUTPUT OVER 18.65**
 3 **W BUT NOT OVER 37.5 W.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.30.75	Electric DC, brushed ironless core motors with rhombic winding and AlNiCo magnets, each motor with an output of 18.65 W or more but not exceeding 37.5 W (provided for in subheading 8501.10.60) ...	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 108170. DC BRUSHLESS SLOTLESS RHOMBIC WINDING**
 7 **NDFeB MAGNET MOTORS OUTPUT OVER 18.65**
 8 **W BUT NOT OVER 37.5 W.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.30.76	Electric DC, brushless slotless motors consisting of rhombic winding and NdFeB magnets, each with an output of 18.65 W or more but not exceeding 37.5 W (provided for in subheading 8501.10.60)	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 108171. DC BRUSHED RHOMBIC WINDING NDFEB MAG-**
 12 **NET MOTORS OUTPUT OVER 37.5 W BUT NOT**
 13 **OVER 74.6 W.**

14 Subchapter II of chapter 99 is amended by inserting
 15 in numerical sequence the following new heading:

“	9902.30.77	Electric DC, brushed ironless core motors with rhombic winding and NdFeB magnets, each motor with an output exceeding 37.5 W but not exceeding 74.6 W (provided for in subheading 8501.31.20)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108172. DC BRUSHLESS SLOTLESS RHOMBIC WINDING
2 NDFEB MAGNET MOTORS OUTPUT OVER 37.5
3 W BUT NOT OVER 74.6 W.

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.30.78	Electric DC, brushless slotless motors with rhombic winding and NdFeB magnets, each motor with an output exceeding 37.5 W but not exceeding 74.6 W (provided for in subheading 8501.31.20)	Free	No change	No change	On or before 12/31/2023	”.
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6 SEC. 108173. MOTORS.

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.30.79	Electric DC motors, of an output exceeding 37.5 W but not exceeding 74.6 W (provided for in subheading 8501.31.20); the foregoing excluding brushed ironless core motors or brushless slotless motors containing rhombic winding and NdFeB magnets	2.6%	No change	No change	On or before 12/31/2023	”.
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9 SEC. 108174. DC MOTORS OF AN OUTPUT EXCEEDING 74.6 W
10 BUT NOT EXCEEDING 735 W.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.30.80	DC motors of an output exceeding 74.6 W but not exceeding 735 W, weighing 2.6 kg, measuring 155 mm in length, each equipped with an electronic power steering control module with an exterior surface of carbon steel coated on both sides with an aluminum-silicon alloy; where the three phase neutral point is external to the motor and located within the control module as certified by the importer (provided for in subheading 8501.31.40)	2.5%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108175. DC MOTORS, OF AN OUTPUT EXCEEDING 74.6 W
2 BUT NOT EXCEEDING 735 W.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.30.81	DC motors, of an output exceeding 74.6 W but not exceeding 735 W, each valued not over \$18 (provided for in subheading 8501.31.40); the foregoing excluding products described in heading 9902.16.07 and DC motors with rhombic winding and NdFeB magnets	3.3%	No change	No change	On or before 12/31/2023	”.
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5 SEC. 108176. DC BRUSHED RHOMBIC WINDING NDFEB MAG-
6 NET MOTORS OUTPUT OVER 74.6 W BUT NOT
7 OVER 735 W.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.30.82	Electric DC, brushed ironless core motors with rhombic winding and NdFeB magnets, each motor with an output exceeding 74.6 W but not exceeding 735 W (provided for in subheading 8501.31.40); the foregoing excluding products described in heading 9902.16.07	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108177. DC BRUSHLESS SLOTLESS RHOMBIC WINDING**
 2 **NDFeB MAGNET MOTORS OUTPUT OVER 74.6**
 3 **W BUT NOT OVER 735 W.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.30.83	Electric DC, brushless slotless motors containing rhombic winding and NdFeB magnets, each motor of an output exceeding 74.6 W but not exceeding 735 W (provided for in subheading 8501.31.40); the foregoing excluding products described in heading 9902.16.07	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 108178. DC MOTORS OF AN OUTPUT EXCEEDING 750 W**
 7 **BUT NOT EXCEEDING 14.92 KW.**

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.30.84	DC motors of an output exceeding 750 W but not exceeding 14.92 kW, each weighing 3.04 kg or more but not over 3.37 kg, each measuring 187 mm or more in length but not over 198 mm, each equipped with an electronic power steering control module with an exterior surface of carbon steel coated on both sides with an aluminum-silicon alloy, in which the three phase neutral point is external to the motor and located within the control module as certified by the importer (provided for in subheading 8501.32.20)	2.1%	No change	No change	On or before 12/31/2023	”.
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10 **SEC. 108179. DC ELECTRIC MOTOR FOR NON-AIRCRAFT GAS**
 11 **TURBINES.**

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.30.85	Electric DC motors of an output exceeding 750 W but not exceeding 14.92 kW, such motors used in non-aircraft gas turbines (provided for in subheading 8501.32.20)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108180. AC ALTERNATORS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.30.86	AC alternators with copper windings for diesel engines, gas engines or turbines, each weighing approximately between 57 kg and 250 kg, and rated from 1 kVA to 75 kVA (provided for in subheading 8501.61.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108181. AC ALTERNATORS WITH COPPER WINDINGS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.30.87	AC alternators with copper windings for diesel engines, gas engines or turbines rated from 75 kVA to 375 kVA (provided for in subheading 8501.62.00)	1.8%	No change	No change	On or before 12/31/2023	”.
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7 SEC. 108182. WOUND STATORS AND ROTOR ASSEMBLIES.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.30.88	Stators and rotors for the goods of heading 8501, for motors over 18.65 W, such motors being used in oilfield electrical submersible pumps (ESPs) (provided for in subheading 8503.00.65)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 108183. ROTORS.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.30.89	Rotors suitable for motors of heading 8501 exceeding 18.65 W but not over 735 W (provided for in subheading 8503.00.65)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108184. STATORS FOR WASHING MACHINES, WITH A 27-
2 TOOTH DESIGN.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.30.90	Stators for brushless permanent magnet alternating current three-phase motors exceeding 18.65 W but not exceeding 735 W, with a 27 tooth design, each having a variable speed range of zero to 1,200 revolutions per minute and having the capability of producing starting torque up to 5.7 kg-m; the foregoing stators for use in laundry appliances and each having a helical wrapped lamination, overmolded resin construction, a 4.2 to one tooth length/width ratio, and having the capability of 68 A-weighted decibel sound levels, each stator having a diameter of 260.6 mm and a maximum height of 58 mm (provided for in subheading 8503.00.65)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 108185. STATORS FOR WASHING MACHINES, WITH AN
6 18-TOOTH DESIGN.

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.30.91	Stators for brushless permanent magnet alternating current three-phase motors exceeding 18.65 W but not over 735 W, with an 18 tooth design, each having a variable speed range of zero to 900 revolutions per minute and having the capability of producing starting torque of up to 1.1 kg-m, the foregoing stators each having a nested helical wrapped lamination, an overmolded resin construction, and the capability of 60 A-weighted decibel sound levels, and having a diameter of 208 mm and a height of 45 mm (provided for in sub-heading 8503.00.65)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108186. ROTORS FOR WASHING MACHINES, WITH A
2 HEIGHT OF 60.8 MM.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.30.92	Rotors for brushless permanent magnet alternating current three-phase motors exceeding 18.65 W but not over 735 W, each with 24 poles and a variable speed range of zero to 1,200 revolutions per minute and having the capability of producing starting torque of up to 5.7 kg-m, the foregoing rotors designed for use in a laundry appliance, with an overmolded resin construction and 20 percent contour discreet magnets capable of 68 A-weighted decibel sound levels, with a diameter of 296 mm and a height 60.8 mm (provided for in sub-heading 8503.00.65)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 108187. ROTORS FOR WASHING MACHINES, WITH A
6 HEIGHT OF 49 MM.

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.30.93	Rotors for brushless permanent magnet AC 3-phase motors exceeding 18.65 W but not over 735 W, with 24 poles, a variable speed range of zero to 900 revolutions per minute, producing starting torque of up to 1.1 kg-m, with an overmolded resin construction, designed to mount directly to the transmission input shaft, and including a flux ring for an electro-magnetic shifter, with a diameter of 236 mm and a height 49 mm (provided for in subheading 8503.00.65)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108188. 6 V LEAD-ACID STORAGE BATTERIES.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.30.94	6 V Lead-acid storage batteries, with a maximum length of 17 cm, maximum width of 9 cm and maximum height of 17 cm, of a kind used for the source of power for medical devices (provided for in subheading 8507.20.80)	0.3%	No change	No change	On or before 12/31/2023	”.
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**4 SEC. 108189. 12 V LEAD-ACID STORAGE BATTERIES, USED
 5 FOR THE AUXILIARY SOURCE OF POWER.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.30.95	12 V Lead-acid storage batteries, of a kind used for the auxiliary source of power for burglar or fire alarms and similar apparatus of subheading 8531.10.00 (provided for in subheading 8507.20.80)	2.5%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108190. LEAD-ACID STORAGE BATTERIES, USED FOR**
 2 **WHEELCHAIRS.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.30.96	12 V Lead-acid storage batteries, of a kind used for the source of power for wheelchairs and mobility scooters of subheading 8713.90.00 (provided for in subheading 8507.20.80)	3.1%	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108191. 12 V LEAD-ACID STORAGE BATTERIES, RATED**
 6 **AT LESS THAN 15 AMPERE-HOURS.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.30.97	12 V Lead-acid storage batteries, with a maximum length of 20 cm, maximum width of 10 cm and maximum height of 10 cm, rated at less than 15 ampere-hours, of a kind used for the source of power for medical devices (provided for in subheading 8507.20.80)	3%	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 108192. 12 V LEAD-ACID STORAGE BATTERIES, RATED**
 10 **AT 15 AMPERE-HOURS OR MORE.**

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.30.98	12 V Lead-acid storage batteries, with a maximum length of 35 cm, maximum width of 18 cm and maximum height of 25 cm, rated at 15 ampere-hours or more, of a kind used for the source of power for medical devices (provided for in subheading 8507.20.80)	3.1%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108193. CELL BOX ASSEMBLIES, WEIGHING 15 KG OR**
 2 **MORE BUT NOT OVER 18 KG.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.30.99	Lithium-ion battery cell boxes having aluminum cases, of a kind used for electrically powered motorcycles of heading 8711, containing numerous individual lithium-ion battery cells, such cell boxes having a minimum specific energy density of 175 watt-hour per kg, a minimum volumetric specific energy of 380 watt-hour per liter and weighing 15 kg or more but not over 18 kg (provided for in subheading 8507.60.00)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108194. CELL BOX ASSEMBLIES, WEIGHING 30 KG OR**
 6 **MORE BUT NOT OVER 36 KG.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.31.01	Lithium-ion battery cell boxes having aluminum cases, of a kind used for electrically powered motorcycles of heading 8711, containing numerous individual lithium-ion battery cells, such cell boxes having a minimum specific energy density of 168 watt-hour per kg, a minimum volumetric specific energy of 370 watt-hour per liter and weighing 30 kg or more but not over 36 kg (provided for in subheading 8507.60.00)	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 108195. CELL BOX ASSEMBLIES, WEIGHING 36 KG OR**
 10 **MORE BUT NOT OVER 49 KG.**

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.31.02	Lithium-ion battery cell boxes having aluminum cases, of a kind used for electrically powered motorcycles of heading 8711, containing numerous individual lithium-ion battery cells, such cell boxes having a minimum specific energy density of 180 watt-hour per kg, a minimum volumetric specific energy of 385 watt-hour per liter and weighing 36 kg or more but not over 49 kg (provided for in subheading 8507.60.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108196. CELL BOX ASSEMBLIES NX.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.31.03	Lithium-ion battery cell boxes having aluminum cases, of a kind used for electrically powered motorcycles of heading 8711, containing numerous individual lithium-ion battery cells, such cell boxes having a minimum specific energy density of 210 watt-hour per kg, a minimum volumetric specific energy of 445 watt-hour per liter and weighing 18 kg or more but not over 30 kg (provided for in subheading 8507.60.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 108197. FOOD PROCESSORS WITH A CAPACITY GREAT-**
 5 **ER THAN 2.9 LITERS BUT NOT EXCEEDING 3.1**
 6 **LITERS.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.31.04	Electromechanical food processors, of a kind used for domestic purposes, with a self-contained electric motor with a minimum of two speeds and a sealable clear plastic bowl, the foregoing having a capacity greater than 2.9 liters but not exceeding 3.1 liters, each lid being attached to the plastic bowl with a hinge, the foregoing food processors having three paddle buttons, each button featuring an indicator light (provided for in subheading 8509.40.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108198. FOOD PROCESSORS WITH A CAPACITY GREAT-**
2 **ER THAN 1.6 LITERS BUT NOT EXCEEDING 2.2**
3 **LITERS.**

4 Subchapter II of chapter 99 is amended by inserting
5 in numerical sequence the following new heading:

“	9902.31.05	Electromechanical food processors, of a kind used for domestic purposes, with a self-contained electric motor with a minimum of two speeds and a sealable clear plastic bowl, the foregoing having a capacity greater than 1.6 liters but not exceeding 2.2 liters, each lid being attached to the plastic bowl with a hinge, the foregoing food processors having three paddle buttons, each button featuring an indicator light (provided for in subheading 8509.40.00)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 108199. CORDLESS HAND BLENDERS.**

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.31.06	Electromechanical cordless handheld food and beverage blending devices, of a kind used for domestic purposes, each with a self-contained electric motor, a non-removable rechargeable lithium ion battery, and a plastic housing with a brushed aluminum trim band; the foregoing blending devices, each having a battery indicator light on the top of the handle, a variable speed control button, a safety lock and a removable stainless steel blending arm (provided for in subheading 8509.40.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108200. CORDLESS HAND MIXERS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.31.07	Electromechanical cordless handheld food mixers, of a kind used for domestic purposes, each with a self-contained motor and a rechargeable lithium ion battery, the foregoing having at least seven speed options, a battery indicator light, and a handle containing a chrome plated speed control lever and a plastic button for ejecting beaters, each food mixer with the ability to stand on one end unassisted (provided for in subheading 8509.40.00) ...	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108201. CORDED HAND BLENDERS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.31.08	Electromechanical domestic corded handheld food and beverage blending devices, each with a self-contained electric motor and a plastic housing with a brushed aluminum trim band and a removable stainless steel blending arm, the foregoing not having a non-removable rechargeable lithium ion battery (provided for in subheading 8509.40.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108202. BURR COFFEE GRINDERS.**

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.31.09	Electromechanical burr coffee grinders, of a kind used for domestic purposes, each with an aluminum trim band, internal portafilter holder that can accommodate multiple sizes of portafilters, a self-contained electric motor, the foregoing coffee grinders having one clear plastic top storage vessel and one clear plastic bottom storage vessel, having a rotary lever for selecting grind size immediately below the top storage vessel and a grinding enclosure containing a liquid crystal display, control buttons and a rotating knob for selecting desired coffee amount (provided for in subheading 8509.40.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 108203. ELECTRIC FOOD PROCESSORS WITH BOWL**
 5 **SCRAPER.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.31.10	Electromechanical food processors of a kind used for domestic purposes, each containing an electric motor with an output wattage not exceeding 450 W, a processing bowl with a capacity no greater than 1.9 liters, a twist-locking lid, a built-in bowl scraper controlled by a rotating handle on the lid, a stainless steel S-blade for chopping and mixing and a reversible disc for slicing and shredding (provided for in subheading 8509.40.00)	1.2%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108204. ELECTRIC FOOD PROCESSORS WITH SNAP-**
 2 **LOCKING LID.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.31.11	Electromechanical food processors of a kind used for domestic purposes, each containing an electric motor with an output wattage not exceeding 500 W, a processing bowl with a capacity greater than 1.9 liters but not exceeding 2.88 liters, a lid-locking mechanism incorporating one or more clips, a stainless steel S-blade for chopping and mixing and a blade for slicing and shredding (provided for in subheading 8509.40.00)	2.6%	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108205. ELECTRIC JUICE EXTRACTORS.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.31.12	Electromechanical juice extractors of a kind used for domestic purposes, each containing an electric motor with an output wattage of 800 W or greater, a chute measuring 7.62 cm in width, a pulp bin and a mesh filtering basket with an integrated cutting blade designed to separate pulp from juice (provided for in subheading 8509.40.00) ...	3.3%	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 108206. ELECTRIC DRINK MIXERS.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.31.13	Electromechanical drink mixers of a kind used for domestic purposes, each including two-speed settings, a tiltable mixing head, a stainless steel mixing cup with a capacity no greater than 0.83 liters and no more than one spindle (provided for in subheading 8509.40.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108207. SPIRALIZING FOOD PROCESSORS WITH A CA-**
 2 **PACITY EQUAL TO OR GREATER THAN 2.36 LI-**
 3 **TERS BUT NOT EXCEEDING 2.64 LITERS.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.31.14	Electromechanical food processors of a kind used for domestic purposes, each containing an electric motor with an output wattage not exceeding 450 W, a capacity equal to or greater than 2.36 liters but not exceeding 2.64 liters, a twist-locking lid, spiral blade, ribbon blade, reversible stainless steel disc and stainless steel S-blade attachments (provided for in subheading 8509.40.00), the foregoing without a locking arm designed to secure the lid or a dough kneading blade	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 108208. SPIRALIZING FOOD PROCESSORS WITH A CA-**
 7 **PACITY EQUAL TO OR GREATER THAN 2.83 LI-**
 8 **TERS BUT NOT EXCEEDING 3.07 LITERS.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.31.15	Electromechanical food processors of a kind used for domestic purposes, each containing an electric motor with an output wattage not exceeding 450 W, a capacity equal to or greater than 2.83 liters but not exceeding 3.07 liters, a locking arm designed to secure the lid, a pour spout, spiral blade, ribbon blade, reversible stainless steel disk, S-blade and a dough blade designed for kneading (provided for in subheading 8509.40.00), the foregoing not including an attachment designed for dicing	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108209. DICING FOOD PROCESSORS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.31.16	Electromechanical food processors of a kind used for domestic purposes, each containing an electric motor with an output wattage not exceeding 600 W, a capacity of at least 3.31 liters, a locking arm designed to secure the lid, a pour spout, an attachment designed for dicing, a slicing blade, a shredding disc, a S-blade and a dough blade designed for kneading (provided for in subheading 8509.40.00)	Free	No change	No change	On or before 12/31/2023	”.
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**4 SEC. 108210. COMPACT FOOD PROCESSOR WITH SMOOTHIE
 5 FUNCTION.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.31.17	Electromechanical food processors of a kind used for domestic purposes, each containing an electric motor with an output wattage not exceeding 250 W, a capacity not exceeding 0.94 liters and two clamps designed to secure the lid (provided for in subheading 8509.40.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108211. JUICE EXTRACTORS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.31.18	Electromechanical domestic juice extractors, each with a self-contained electric motor with an output wattage not exceeding 1100 W, an 8.89 cm wide chute and a pitcher with a capacity no greater than 1 liter (provided for in subheading 8509.40.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108212. INTEGRATED BABY FOOD MAKING SYSTEMS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.31.19	Integrated baby food making systems, such systems including: (i) an electromechanical nutrient extractor of a kind used for domestic purposes to puree baby food, each with a self-contained electric motor with a maximum output wattage of 200 W and two interchangeable blade assemblies; (ii) an open-topped batch bowl with a capacity of 0.94 liters; (iii) a single-serve, double-handled tip-proof cup with a capacity of 0.29 liters and a twist-off lid; (iv) six single-serve storage cups, each with a capacity of 0.05 liters and twist-off lids with numerical dials; (v) a spatula; and (vi) a freezer tray with a six-cup grid and a lid (provided for in subheading 8509.40.00)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 108213. ELECTRIC JUICE MIXERS AND GRINDERS.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.31.20	Electromechanical combination food grinders, juicers and mixers of a kind used for domestic purposes, each consisting of a base with a self-contained electric motor with an output wattage not exceeding 1,400 W, a stainless-steel blade assembly, and three interchangeable stainless-steel square jars with a capacity of 0.5 liters or more and not exceeding 1.5 liters, the foregoing with lids fitted with gaskets and locking tabs (provided for in subheading 8509.40.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108214. ULTRASONIC HUMIDIFIERS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.31.21	Electromechanical ultrasonic humidifiers, each with self-contained electric motor, of a kind used for domestic purposes, with cool and warm mist, with clean transducer ultrasonic membrane light (provided for in subheading 8509.80.50)	3.2%	No change	No change	On or before 12/31/2023	”.
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**4 SEC. 108215. AUTOMATIC LITTERBOXES, VALUED NO MORE
 5 THAN \$100.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.31.22	Litterboxes, each with self-contained electric motor powered by an external adapter that plugs into a wall socket or electrical outlet and may have batteries for back-up, such devices which rake and/or disperse cat waste into a compartment after a certain amount of time has passed once the mechanism is triggered by cat entering the litterbox; the foregoing designed for domestic use, valued no more than \$100 (provided for in subheading 8509.80.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108216. ELECTRIC TOOTHBRUSHES.**

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.31.23	Battery-operated electric toothbrushes (provided for in subheading 8509.80.50)	3.6%	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 108217. ULTRASONIC COOL/WARM MIST HUMIDIFIERS**
5 **WITH AROMATHERAPY.**

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.31.24	Ultrasonic humidifiers with self-contained electric motor, with options for warm or cool mist, four output settings, having a 3.785 liter tank capacity, a drawer for aromatherapy oils, with a rectangular base measuring 23.6 cm by 22.1 cm by 23.9 cm, weighing no more than 5 kg empty and valued \$15 or more but not over \$19 (provided for in subheading 8509.80.50)	0.8%	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 108218. 2-IN-1 CAN OPENER.**

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.31.25	Hand-held battery-operated automatic can openers, each with self-contained electric motor, such can openers with a weight not exceeding 1.36 kg exclusive of extra interchangeable parts or detachable auxiliary devices (provided for in subheading 8509.80.50)	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 108219. FOOD SPIRALIZING DEVICES.**

12 Subchapter II of chapter 99 is amended by inserting
13 in numerical sequence the following new heading:

“	9902.31.26	Food spiralizing devices of a kind used for domestic purposes, designed for use on electromechanical food stand mixers, such devices designed for peeling, coring and slicing fruits and vegetables and capable of cutting such food into spiral strands and shapes, the foregoing with four or more interchangeable cutting blades and a peeling blade (provided for in subheading 8509.90.55)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108220. CERAMIC BOWLS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.31.27	Ceramic bowls designed for use on electromechanical stand food mixers, each having a capacity greater than 4.5 liters but not exceeding 4.9 liters, the foregoing each having a base with four protrusions designed to interlock with a stand food mixer base (provided for in subheading 8509.90.55)	Free	No change	No change	On or before 12/31/2023	”.
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**4 SEC. 108221. FOOD GRINDERS FOR CERTAIN
 5 ELECTROMECHANICAL STAND FOOD MIXERS.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.31.28	Food grinding devices designed for use on electromechanical domestic food stand mixers, each having a molded plastic or metal housing with a singular stainless steel blade, and an auger (provided for in subheading 8509.90.55)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108222. PASTA PRESS EXTRUDERS FOR CERTAIN**
 2 **STAND FOOD MIXERS.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.31.29	Pasta-making devices designed for use on electromechanical domestic stand food mixers, each having a molded plastic housing with metal auger and cutting arm, the foregoing having five interchangeable steel discs for forming various pasta shapes (provided for in subheading 8509.90.55)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108223. STAINLESS STEEL BOWLS FOR CERTAIN**
 6 **ELECTROMECHANICAL STAND FOOD MIXERS,**
 7 **WITH CAPACITY GREATER THAN 4.2 LITERS**
 8 **BUT NOT EXCEEDING 4.8 LITERS.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.31.30	Stainless steel bowls designed for use on electromechanical stand food mixers, each having a capacity greater than 4.2 liters but not exceeding 4.8 liters (whether or not having a single stainless steel vertically oriented welded handle), the foregoing each having a rolled top edge and welded stainless steel base with four protrusions designed to interlock with a stand food mixer base (provided for in subheading 8509.90.55)	0.7%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108224. STAINLESS STEEL BOWLS FOR CERTAIN**
 2 **ELECTROMECHANICAL STAND FOOD MIXERS,**
 3 **WITH CAPACITY GREATER THAN 2.8 LITERS**
 4 **BUT NOT EXCEEDING 3.4 LITERS.**

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.31.31	Stainless steel bowls designed for use on electromechanical stand food mixers, each having a capacity greater than 2.8 liters but not exceeding 3.4 liters (whether or not having a single stainless steel vertically oriented welded handle), the foregoing each having a rolled top edge and welded stainless steel base with four protrusions designed to interlock with a stand food mixer base (provided for in subheading 8509.90.55)	Free	No change	No change	On or before 12/31/2023 ”.
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7 **SEC. 108225. STAINLESS STEEL BOWLS FOR CERTAIN**
 8 **ELECTROMECHANICAL STAND FOOD MIXERS,**
 9 **WITH CAPACITY GREATER THAN 5.6 LITERS**
 10 **BUT NOT EXCEEDING 8.6 LITERS.**

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.31.32	Stainless steel bowls designed for use on electromechanical stand food mixers, each having a capacity greater than 5.6 liters but not exceeding 8.6 liters (whether or not having a single stainless steel vertically oriented welded handle), the foregoing each having a rolled edge and two welded stainless steel side brackets with circular holes designed to interlock with the arm of the stand mixer (provided for in subheading 8509.90.55)	Free	No change	No change	On or before 12/31/2023 ”.
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1 **SEC. 108226. PASTA ROLLERS AND CUTTERS FOR STAND**
 2 **FOOD MIXERS.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.31.33	Metal pasta rolling and cutting devices designed for use on electromechanical food stand mixers, each not having a molded plastic housing (provided for in subheading 8509.90.55)	1%	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108227. GLASS BOWLS FOR CERTAIN**
 6 **ELECTROMECHANICAL STAND FOOD MIXERS.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.31.34	Glass bowls designed for use on electromechanical stand food mixers, each having a capacity greater than 4.5 liters but not exceeding 4.9 liters, the foregoing each having a base with four protrusions designed to interlock with a stand food mixer base (provided for in subheading 8509.90.55)	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 108228. BODY TRIMMERS FOR DETAILED HAIR TRIM-**
 10 **MING.**

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.31.35	Hair clippers, with self-contained electric motor, vertical reciprocating stamped stainless steel blade and aluminum housing (provided for in subheading 8510.20.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108229. HAIR CLIPPER SETS.**

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.31.36	Hair clipper sets, with self-contained electric motor, comprised of blade guide combs and one or more hair clippers, wherein at least one clipper is corded, has a non-detachable ground steel blade and is used for human hair, all put up in sets for retail sale, valued at \$5 or less (provided for in subheading 8510.20.90)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 108230. RECHARGEABLE TRIMMERS FOR TRIMMING**
 5 **HUMAN HAIR.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.31.37	Hair clipper set, with self-contained electric motor, comprised of blade guide combs, detailers and one or more hair clippers, wherein at least one clipper has a rechargeable lithium-ion battery, a detachable ground steel blade and is used for human hair, all put up in sets for retail sale, valued at \$6 or less (provided for in subheading 8510.20.90)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 108231. PCB ASSEMBLIES FOR CLIPPERS AND TRIM-**
 9 **MERS.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.31.38	Subassemblies consisting of a printed circuit board, power connector, rechargeable lithium ion battery and motor, designed for use with hair clippers of subheading 8510.20.90 or shavers of subheading 8510.10.00 (provided for in subheading 8510.90.40)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108232. LED BICYCLE WHEEL SPOKE LIGHTS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.31.39	Bicycle signaling lights, consisting of one light-emitting diode (LED), measuring between 2.54 to 12.192 cm in width and 2.54 to 4.572 cm in height, with mechanism to attach to wheel spokes, each light valued not more than \$4 (provided for in subheading 8512.10.40)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108233. BICYCLE REAR LIGHTS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.31.40	Electrical visual signaling equipment of a kind used as taillights on bicycles (provided for in subheading 8512.10.40)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 108234. PORTABLE ELECTRIC LAMPS.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.31.41	Portable battery powered, handheld LED lantern, other than lighting equipment of heading 8512, having a collapsible plastic body, measuring not greater than 22 cm in height (provided for in subheading 8513.10.40)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108235. SPACE HEATERS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.31.42	Fan-forced, portable electric space heaters, each having a power consumption of not more than 1.5 kW and weighing more than 1.5 kg but not more than 17 kg, whether or not incorporating a humidifier or air filter (provided for in subheading 8516.29.00) ...	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108236. MICROWAVE OVENS WITH CAPACITY NOT EX-
5 CEEDING 22.5 LITERS.

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.31.43	Microwave ovens of a kind used for domestic purposes, each having a capacity not exceeding 22.5 liters (provided for in subheading 8516.50.00)	1.7%	No change	No change	On or before 12/31/2023	”.
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8 SEC. 108237. MICROWAVE OVENS WITH CAPACITY EXCEED-
9 ING 22.5 LITERS BUT NOT EXCEEDING 31 LI-
10 TERS.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.31.44	Microwave ovens of a kind used for domestic purposes, each having a capacity exceeding 22.5 liters but not exceeding 31 liters (provided for in subheading 8516.50.00)	1.7%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108238. LOW-PROFILE MICROWAVE OVENS WITH ELEC-**
 2 **TRONIC OPENING MECHANISM AND INTE-**
 3 **GRAL RANGE HOOD.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.31.45	Microwave ovens with integral range hoods, of a kind used for domestic purposes, each having a height not exceeding 28 cm and having oven capacity greater than 31 liters but not exceeding 32 liters and containing a glass turntable plate with a diameter greater than 30 cm but not exceeding 31 cm, the foregoing ovens with a width greater than 75 cm but not exceeding 77 cm and having two interior fan motors and an electronic opening mechanism (provided for in sub-heading 8516.50.00)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 108239. LOW-PROFILE MICROWAVE OVENS WITH PUSH**
 7 **BUTTON OPENING MECHANISM AND INTE-**
 8 **GRAL RANGE HOOD.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.31.46	Microwave ovens with integral range hoods, of a kind used for domestic purposes, each having a height not exceeding 28 cm, each having oven capacity greater than 31 liters but not exceeding 32 liters and containing a glass turntable plate with a diameter greater than 30 cm but not exceeding 31 cm, the foregoing ovens with a width greater than 75 cm but not exceeding 77 cm, and having a single interior fan motor and a push-button opening system (provided for in sub-heading 8516.50.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108240. LOW-PROFILE MICROWAVE OVENS WITH ELEC-**
 2 **TRONIC OPENING MECHANISM AND WITHOUT**
 3 **A RANGE HOOD.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.31.47	Microwave ovens of a kind used for domestic purposes, each without a range hood, each having oven capacity greater than 31 liters but not exceeding 32 liters, the fore-going containing a glass turntable plate with a diameter greater than 30 cm but not exceeding 31 cm, and an electronic opening mechanism (provided for in subheading 8516.50.00)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 108241. SEARING GRILLS.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.31.48	Electrothermic grills of a kind used for domestic purposes, each with a maximum temperature of 233 °C (provided for in subheading 8516.60.60); the foregoing excluding goods described in 9902.16.56	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 108242. AUTOMATIC DRIP COFFEE MAKERS.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.31.49	Electrothermic automatic drip coffee makers of a kind used for domestic purposes, each capable of brewing multiple servings and incorporating a removable water tank with a handle and having a liquid crystal display and control buttons adjacent to the removable water tank, and a brew button in the coffee maker base; the foregoing excluding coffee makers designed for permanent installation into a wall, cabinet or shelf, and excluding coffee makers designed to utilize coffee capsules or pods (provided for in subheading 8516.71.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108243. ESPRESSO MACHINES.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.31.50	Electromechanical espresso makers of a kind used for domestic purposes, each with an aluminum trim band, each incorporating a removable water tank with a handle and having a metal or plastic enclosure containing seven indicator lights and four chrome plated control buttons, the foregoing with two temperature sensors to regulate water temperature (provided for in subheading 8516.71.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 108244. COFFEE MAKERS WITH DISHWASHER SAFE RE-**
 5 **MOVABLE PARTS.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.31.51	Automatic drip electric coffeemakers, each with latch-release removable and dishwasher safe water reservoir with a 2.83 liter capacity, brew basket and showerhead, valued not over \$19 (provided for in subheading 8516.71.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108245. SINGLE-SERVICE COFFEE MAKERS WITH MILK**
 2 **FROTHERS.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.31.52	Electrothermic coffee machines of a kind used for domestic purposes, designed to brew single servings using coffee capsules, each having a loading lever containing both stainless steel and plastic and a milk frother with a fold-up power base (provided for in subheading 8516.71.00), the foregoing excluding coffee makers with a removable reservoir	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108246. ELECTRIC COFFEE MAKERS WITH DUAL DIS-**
 6 **PENSERS.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.31.53	Electrothermic coffee machines of a kind used for domestic purposes, each with two dispensers to allow brewing using capsules and ground coffee, with a spent capsule collection bin and a single removable reservoir with a capacity equal to or greater than 1.65 liters (provided for in subheading 8516.71.00)	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 108247. ELECTRIC COFFEE MAKERS FOR BREWING**
 10 **CAPSULES.**

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.31.54	Electrothermic coffee machines of a kind used for domestic purposes, designed to brew using only coffee capsules, each having a loading lever containing both stainless steel and plastic and a removable reservoir with a capacity no greater than 1.18 liters (provided for in subheading 8516.71.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108248. AUTOMATIC OR MANUAL POUR OVER COFFEE

2 MAKERS.

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.31.55	Electrothermic coffee machines of a kind used for domestic purposes, each capable of brewing multiple servings using an automatic drip or manual pour over with a capacity equal to or greater than 1.89 liters, the foregoing including a glass carafe, a cone-shaped brew basket and a permanent filter (provided for in subheading 8516.71.00)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 108249. REMOVABLE RESERVOIR COFFEEMAKERS.

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.31.56	Electrothermic automatic drip coffee makers of a kind used for domestic purposes, each capable of brewing multiple servings and incorporating a removable water tank with a handle, the foregoing excluding coffee makers with dome-shaped housing or designed for permanent installation into a wall, cabinet or shelf and excluding coffee makers designed to utilize coffee capsules or pods (provided for in subheading 8516.71.00); the foregoing excluding coffee makers with a brew button in the coffee maker base	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108250. SINGLE SERVE COFFEE MAKERS.**

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.31.57	Electrothermic coffee machines of a kind used for domestic purposes, capable of brewing single servings using coffee capsules or ground coffee, each with not more than one water reservoir with a capacity not exceeding 0.41 liters, the foregoing including a coffee ground filter basket (provided for in subheading 8516.71.00)	3%	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 108251. 2-WAY COFFEE MAKERS WITH A 12-CUP CA-**
 5 **RAFE AND A POD BREWER.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.31.58	Electrothermic coffee machines of a kind used for domestic purposes, each with dual dispensers to allow brewing single serving or multiple servings using capsules and ground coffee, a glass carafe with a capacity not exceeding 2.83 liters, and two separate non-removable water reservoirs, the foregoing without a spent capsule collection bin (provided for in subheading 8516.71.00)	3.2%	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 108252. RAPID COLD BREW AND HOT COFFEE MAKERS.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.31.59	Electrothermic coffee machines of a kind used for domestic purposes, designed to brew both cold or hot coffee using coffee grounds with a rotating knob to select between settings (provided for in subheading 8516.71.00) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108253. ELECTRIC KETTLES.**

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.31.60	Electrothermic kettles of a kind used for domestic purposes, each with a stainless-steel construction, 1.7-liter capacity, pop-up lid, removable mesh filters, and a handle having a translucent capacity indicator, the foregoing having a base with digital Liquid Crystal Display (LCD) paneled controls, including variable temperature settings (provided for in subheading 8516.71.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 108254. ELECTRIC TOASTERS WITH EVEN-TOAST FEAT-**
 5 **TURE.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.31.61	Electrothermic toasters of a kind used for domestic purposes, each toaster measuring 28.19 cm in length, 17.3 cm in width and 20.32 cm in height and incorporating two single-slice toaster slots measuring 13.7 cm in length at the top of the toaster, with a slide-out crumb tray, the foregoing with a function designed to turn off the center heating element after a certain toasting time has elapsed (provided for in subheading 8516.72.00)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 108255. ELECTRIC TOASTERS WITH 6.5 INCH SLOTS.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.31.62	Electrothermic toasters of a kind used for domestic purposes, each incorporating two single-slice toaster slots measuring 16.51 cm in length at the top of the oven, the foregoing with a function designed to turn off the center heating element after a certain toasting time has elapsed (provided for in subheading 8516.72.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108256. ELECTRIC TOASTERS WITH 37 MM WIDE SLOTS,**
 2 **WITH AN UNDER-BASE CORD WRAP.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.31.63	Electrothermic toasters of a kind used for domestic purposes, each incorporating two single-slice toaster slots measuring 37 mm in width at the top of the oven, with a slide-out crumb tray, under-base cord wrap, toast shade selector and a programmable setting to hold the toast in the slot for three minutes after toasting (provided for in subheading 8516.72.00)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108257. 2- AND 4-SLOT TOASTERS, NOT HAVING A BUT-**
 6 **TON TO KEEP TOASTER CONTENTS WARM**
 7 **AFTER TOASTING.**

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.31.64	Electrothermic toasters, of a kind used for domestic purposes, with two or four toaster slots, each toaster slot with a width exceeding 3.8 cm but not exceeding 4 cm, the foregoing toasters each having one or two plastic buttons used to eject toaster contents and one or two plastic buttons used to lower power to heating elements for desired toasting; each toaster not having a button to keep toaster contents warm after toasting or a button to defrost, the foregoing toasters having one or two plastic knobs, each knob with no more than five options for selecting different degrees of shading, and a manual lift lever (provided for in subheading 8516.72.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108258. 2-SLOT TOASTERS, WITH A BUTTON TO KEEP**
 2 **TOASTER CONTENT WARM AFTER TOASTING.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.31.65	Electrothermic toasters, of a kind used for domestic purposes, each with two toaster slots, each toaster slot with a width exceeding 3.8 cm but not exceeding 4 cm, the foregoing toasters each having singular plastic buttons used to defrost, eject toaster contents, lower power to heating elements for desired toasting, and to keep toaster contents warm at the end of a completed toasting cycle, and each toaster having one plastic knob to select up to six varying degrees of shading, and a manual lift lever (provided for in subheading 8516.72.00)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108259. ELECTRIC TOASTERS WITH DOUBLE-SLICE**
 6 **SLOTS.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.31.66	Electrothermic toasters of a kind used for domestic purposes, each incorporating two 37 mm wide double-slice toaster slots at the top of the oven, with a slide-out crumb tray, under-base cord wrap, toast shade selector, and a programmable setting to hold the toast in the slot for three minutes after toasting (provided for in subheading 8516.72.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108260. ELECTRIC TOASTERS WITH 37 MM WIDE SLOTS,**
 2 **WITH A RETRACTABLE CORD.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.31.67	Electrothermic toasters of a kind used for domestic purposes, each incorporating two single-slice toaster slots measuring 37 mm in width at the top of the oven, with a slide-out crumb tray, retractable cord, toast shade selector and a manually activated setting to hold the toast in the slot after toasting (provided for in subheading 8516.72.00)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108261. ELECTRIC PRESSURE COOKERS RATED MORE**
 6 **THAN 800 W BUT NOT MORE THAN 1,000 W,**
 7 **WITH A CAPACITY OF NOT LESS THAN 5 LI-**
 8 **TERS.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.31.68	Electrothermic pressure cookers of a kind used for domestic purposes, with a capacity of not less than 5 liters and rated from 800 W to 1,000 W (provided for in subheading 8516.79.00); the foregoing excluding pressure cookers with a lift-out steaming rack designed for roasting/steaming, extra lid gasket, measuring cup and paddle and variable temperature settings	0.1%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108262. ELECTRIC PRESSURE COOKERS RATED MORE**
 2 **THAN 1,200 W BUT NOT MORE THAN 1,400 W,**
 3 **WITH A CAPACITY OF LESS THAN 5 LITERS.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.31.69	Electrothermic pressure cookers of a kind used for domestic purposes, with a capacity of less than 5 liters and rated more than 1,200 W but not more than 1,400 W (provided for in subheading 8516.79.00)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 108263. ELECTRIC PRESSURE COOKERS RATED MORE**
 7 **THAN 1,000 W BUT NOT MORE THAN 1,200 W,**
 8 **WITH A CAPACITY OF LESS THAN 5 LITERS.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.31.70	Electrothermic pressure cookers of a kind used for domestic purposes, with a capacity of less than 5 liters, rated more than 1,000 W but not more than 1,200 W (provided for in subheading 8516.79.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108264. CONTOURED HEATING PADS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.31.71	Electric heating pads with contoured shape measuring 38.1 cm in height and 60.96 cm in width, with removable waist strap that adjusts up to 2.16 m in circumference, with cut pile knit outer surface and four heat settings, valued not over \$12, such heating pads not worn on or about the person (provided for in subheading 8516.79.00)	Free	No change	No change	On or before 12/31/2023	”.
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**4 SEC. 108265. SLOW COOKERS WITH NON-STICK CERAMIC
5 COATED STONEWARE.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.31.72	Slow cookers with capacity from 5.678 liters to 6.624 liters, each having a stoneware insert with a ceramic-based nonstick coating, a locking gasket glass lid, digital control with three temperature settings and cooking timer, the foregoing valued over \$15 but not over \$22 (provided for in subheading 8516.79.00)	Free	No change	No change	On or before 12/31/2023	”.
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8 SEC. 108266. HEATING PADS.

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.31.73	Electrothermic heating pads of nonwoven polyester with stamp welding, having a power consumption of not more than 50 W and weighing 0.635 kg, measuring 50.8 cm by 60.96 cm; the foregoing with a removable knit 100 percent polyester fleece cover, valued between \$15 and \$109 (provided for in subheading 8516.79.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108267. PROGRAMMABLE SLOW COOKERS WITH DIG-**
 2 **ITAL DISPLAY.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.31.74	Electrothermic slow cookers of a kind used for domestic purposes, each with a litho-wrapped steel exterior and the following features: (i) a locking glass lid, (ii) a removable oval stoneware cooking pot with a capacity not exceeding 5.68 liters, and (iii) a single digital display with a knob used to control time and temperature settings, the foregoing without a thermometer probe (provided for in subheading 8516.79.00)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108268. 8-QUART ELECTRIC SLOW COOKERS.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.31.75	Electrothermic slow cookers of a kind used for domestic purposes, each with a litho-wrapped steel exterior and the following features: (i) a non-locking glass lid, (ii) a removable oval stoneware cooking pot, (iii) a volume capacity of 7.57 liters or greater, and (iv) three heat settings (keep warm, low, and high), the foregoing without a digital display or thermometer probe (provided for in subheading 8516.79.00)	0.1%	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 108269. PROGRAMMABLE SLOW COOKERS.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.31.76	Electrothermic slow cookers of a kind used for domestic purposes, each with a litho-wrapped exterior and the following features: (i) non-locking glass lid, (ii) a digital control panel, and (iii) a feature designed to automatically reduce temperature at the end of the cooking cycle, the foregoing without a timer display or thermometer probe (provided for in subheading 8516.79.00)	0.7%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108270. ELECTRIC SLOW COOKERS WITH LOCKING LID.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.31.77	Electrothermic slow cookers of a kind used for domestic purposes, each with a litho-wrapped exterior and the following features: (i) a capacity not exceeding 4.73 liters, (ii) a glass lid, (iii) a removable oval stoneware cooking pot, and (iv) a locking lid (provided for in subheading 8516.79.00); the foregoing without a knob used to control time and temperature settings	0.8%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108271. DOUBLE FLIP WAFFLE MAKERS WITH REMOV-
5 ABLE GRIDS.

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.31.78	Electrothermic rotating waffle makers of a kind used for domestic purposes, each with two sets of double-sided round cooking plates, non-stick removable grids, a drip tray, and a locking handle (provided for in subheading 8516.79.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108272. ICE CREAM WAFFLE CONE AND BOWL MAKERS.**

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.31.79	Electrothermic ice cream waffle cone and bowl makers of a kind used for domestic purposes, each with two round non-stick cooking plates (provided for in subheading 8516.79.00), the foregoing including a plastic cone roller and a bowl mold	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 108273. ELECTRIC BREAKFAST SANDWICH MAKERS.**

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.31.80	Electrothermic sandwich cookers of a kind used for domestic purposes, each designed to be used with round bread and incorporating a cooking plate for eggs (provided for in subheading 8516.79.00); the foregoing excluding goods described in heading 9902.16.57	Free	No change	No change	On or before 12/31/2023	”.
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7 **SEC. 108274. PRESSURE COOKERS.**

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.31.81	Electrothermic pressure cookers of a kind used for domestic purposes, with a stainless-steel construction with a capacity of not less than 5.67 liters and an output wattage not exceeding 1,000 W, a lift-out steaming rack designed for roasting/steaming, extra lid gasket and a measuring cup and paddle, the forgoing with variable temperature settings (provided for in subheading 8516.79.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108275. 10-QUART PROGRAMMABLE SLOW COOKERS.**

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.31.82	Electrothermic slow cookers of a kind used for domestic purposes with a capacity greater than 7.57 liters but not exceeding 9.46 liters, each with a full-color litho-wrapped exterior, glass lid, removable round aluminum cooking pot, and a digital control display, the foregoing without a thermometer probe (provided for in subheading 8516.79.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 108276. POLISHED STAINLESS STEEL 1.5-QUART TEA**
 5 **KETTLES.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.31.83	Tea kettles of stainless steel, polished, each with a capacity of 1.41 liters (provided for in subheading 8516.79.00)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 108277. EGG BITE MAKERS.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.31.84	Electrothermic bite-sized egg makers, of a kind used for domestic purposes, each incorporating two circular cooking plates and a removable cover (provided for in subheading 8516.79.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108278. VACUUM STEEL INSULATED COFFEE CARAFES,**
 2 **OF A KIND USED WITH DEEP ULTRAVIOLET**
 3 **LITHOGRAPHY MACHINES.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.31.85	Vacuum insulated coffee carafes used with commercial coffee machines, with interior and exterior of stainless steel, each with a capacity over 1 liter but not over 2 liters and plastic brew-through lid for direct brewing commercial coffee machines provided for in subheading 8419.81 (provided for in subheading 8516.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 108279. VACUUM STEEL INSULATED CARAFES FOR**
 7 **HOUSEHOLD COFFEE MACHINES, OF A KIND**
 8 **USED WITH DEEP ULTRAVIOLET LITHOG-**
 9 **RAPHY MACHINES.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.31.86	Vacuum insulated carafes for coffee makers of a kind used for domestic purposes, with interior and exterior of stainless steel, each with a capacity over 1 liter but not over 2 liters with brew through top for direct brewing (provided for in subheading 8516.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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12 **SEC. 108280. VACUUM STEEL BODIES WITH INNER AND**
 13 **OUTER STEEL LAYERS.**

14 Subchapter II of chapter 99 is amended by inserting
 15 in numerical sequence the following new heading:

“	9902.31.87	Vacuum vessel bodies, each with exterior layer of steel and vacuum liner of steel, with a capacity over 2 liters and a bottom port and top opening, the foregoing presented without top cover and bottom base (provided for in subheading 8516.90.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108281. LAMP-HOLDER HOUSINGS OF PLASTIC.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.31.88	Lamp-holder housings of plastics, containing sockets for screw-in Edison base (provided for in subheading 8536.61.00)	Free	No change	No change	On or before 12/31/2023	”.
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**4 SEC. 108282. 660 W, 125 V, LAMP-HOLDER WITH TWO 15 AMP
 5 OUTLETS.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.31.89	Lamp-holders, rated for 660 W and 125 V, each with two 15 amp outlets (provided for in subheading 8536.61.00) ...	Free	No change	No change	On or before 12/31/2023	”.
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**8 SEC. 108283. COMBINATION DUPLEX RECEPTACLE/OUTLET
 9 AND USB CHARGER, 15–20 AMP, 125 V.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.31.90	Dual-use electrical wall outlets incorporating one or more built-in Universal Serial Bus (USB) chargers, rated at 15–20 amp and 125 V (provided for in subheading 8536.69.80)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108284. RANGE AND DRYER RECEPTACLES.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.31.91	Electrical receptacles consisting of straight blade outlets for mounting in walls, made of thermoplastic and steel, measuring not more than 3.4 cm in depth, 10.7 cm in height and 6.4 cm in width (provided for in subheading 8536.69.80)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108285. RESIDENTIAL GRADE RECEPTACLES.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.31.92	Electrical receptacles of thermoplastic and steel, consisting of two outlets for mounting in walls, each weighing not more than 58.1 g, and measuring not more than 2.5 cm in depth, 10.7 cm in height and 3.4 cm in width (provided for in subheading 8536.69.80)	1.4%	No change	No change	On or before 12/31/2023	”.
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7 SEC. 108286. RESIDENTIAL AND COMMERCIAL USB RECEPTACLES.

8
 9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.31.93	Dual-use electrical wall outlets incorporating one or more built-in Universal Serial Bus (USB) chargers, made of a polycarbonate shell with steel framing and screws and internal circuit boards, weighing not more than 136.1 grams, and not exceeding 10.7 cm in height, 4.4 cm in width, and 4.3 cm in depth (provided for in subheading 8536.69.80)	1.5%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108287. POWER STRIPS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.31.94	6-outlet power strips of type B sockets of 125 V, with 14 gauge cord measuring 76.2 to 91.44 cm in length, the foregoing without surge protection (provided for in subheading 8537.10.91)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108288. SURGE PROTECTORS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.31.95	6-outlet power strips of type B sockets of 125 V, with 14 gauge cord measuring 60.96 to 91.44 cm in length, with 400–10,180 joule rating for surge protection (provided for in subheading 8537.10.91) ...	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 108289. PROGRAMMABLE CONTROLLERS FOR ARCHITECTURAL LIGHTING.

8
 9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.31.96	Programmable controllers for architectural lighting effects and displays, with ethernet, digital visual interface (DVI) and DB9 ports, each in an aluminum enclosure without keyboard, capable of controlling greater than 3,000 control channels of lighting and of pixel mapping light-emitting diode (LED) arrays (provided for in subheading 8537.10.91)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108290. ELECTRONIC MODULAR CONTROL PANELS**
 2 **FOR GENERATORS.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.31.97	Programmable electronic modular control panels, designed for monitoring and controlling generators and generating sets of heading 8501 and 8502, operating at a voltage not exceeding 1,000 V, and equipped with electrical control apparatus of heading 8535 or 8536, such as circuit breakers, auxiliary contactors, and relays, which provide a front panel user interface, such as control switches and/or a touch screen, for the electrical control and monitoring of the generator or generating set (provided for in subheading 8537.10.91)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108291. POWER DISTRIBUTION MODULES AND PRO-**
 6 **GRAMMABLE CONTROLLERS.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.31.98	Power distribution modules and programmable controllers, for a voltage not exceeding 1,000 V (provided for in subheading 8537.10.91), the foregoing of a kind used with machines and apparatus for the manufacture or inspection of semiconductor devices of subheading 8486.20.00	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 108292. GLASS CAPACITIVE TOUCHSCREEN ASSEM-**
 10 **BLIES WITH LCD.**

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.31.99	Capacitive touchscreens bonded to liquid crystal display (LCD), equipped with two or more apparatus of heading 8536, for electric control or the distribution of electricity, consisting of two glass layers bonded by silicone adhesive with attached flexible printed circuit with surface mount technology components, each touchscreen with diagonal measuring between 10 cm and 41 cm (provided for in subheading 8537.10.91)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108293. LAMPS CONTAINING DEUTERIUM GAS WITH-**
 2 **OUT RADIO-FREQUENCY IDENTIFICATION**
 3 **(RFID).**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.32.01	Ultraviolet lamps filled with deuterium gas, each without radio-frequency identification device and valued over \$200 (provided for in subheading 8539.49.00)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 108294. LAMPS CONTAINING DEUTERIUM GAS WITH**
 7 **RADIO-FREQUENCY IDENTIFICATION (RFID).**

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.32.02	Ultraviolet lamps filled with deuterium gas, each with radio-frequency identification device and valued over \$200 (provided for in subheading 8539.49.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108295. FIBER CHANNEL COAXIAL CABLES OF SILVER-**
 2 **PLATED COPPER CONDUCTORS AND EX-**
 3 **PANDED EPTFE DIELECTRICS.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.32.03	Fiber channel coaxial cables of silver-plated copper conductors and expanded polytetrafluoroethylene (ePTFE) dielectrics, jacketed with fluoropolymers; such bulk cables having an operating temperature ranging from minus 55 °C to 200 °C (provided for in subheading 8544.20.00)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 108296. INSULATED COAXIAL CABLES, OF A KIND USED**
 7 **WITH DEEP ULTRAVIOLET LITHOGRAPHY MA-**
 8 **CHINES.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.32.04	Insulated coaxial cables, each with a polyvinyl chloride outer coating, an outside diameter of 4 mm or more but not over 10 mm, a length of 180 cm or more but not over 270 cm (provided for in subheading 8544.20.00), the foregoing of a kind used with medical ultrasonic scanning apparatus of subheading 9018.12.00	1%	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 108297. COAXIAL CABLES INSULATED WITH EPTFE,**
 12 **VAPOR SEALED, OF A KIND USED WITH DEEP**
 13 **ULTRAVIOLET LITHOGRAPHY MACHINES.**

14 Subchapter II of chapter 99 is amended by inserting
 15 in numerical sequence the following new heading:

“	9902.32.05	Coaxial cables insulated with expanded polytetrafluoroethylene (ePTFE), vapor sealed meeting the requirements of MIL-STD-202, method 122e, as certified by the importer (provided for in subheading 8544.20.00)	0.6%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108298. COAXIAL CABLES INSULATED WITH EPTFE,**
 2 **NON-VAPOR SEALED, OF A KIND USED WITH**
 3 **DEEP ULTRAVIOLET LITHOGRAPHY MA-**
 4 **CHINES.**

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.32.06	Coaxial cables insulated with expanded polytetrafluoroethylene (ePTFE), non-vapor sealed (provided for in subheading 8544.20.00)	3%	No change	No change	On or before 12/31/2023	”.
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7 **SEC. 108299. LOW SPEED AUTOMOTIVE ETHERNET USB**
 8 **HARNESSES.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.32.07	USB 2.0 cable assemblies for automotive infotainment applications, 30 V AC (RMS)/30 V DC, rated current of 1 amp max/circuit, each with USB 4- or 5-wire cable, with or without drain wire, with USCAR-30 5-circuit plug, inline, or 4-circuit STD A receptacle connectors, solder terminated at both ends, for use as low speed Ethernet components such as in-vehicle databus, display, sensors and cameras (provided for in subheading 8544.30.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108300. HIGH SPEED AUTOLINK CABLE USB HAR-**
 2 **NESSES.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.32.08	USB 2.0 cable assemblies for automotive infotainment applications, 30 V AC (RMS)/30 V DC, rated current of 1 amp max/circuit, each with USB 4-wire cable, with drain wire, USCAR-30 5-circuit plug or inline, 4-circuit illuminated STD A receptacle connectors, solder terminated at both ends, where the illumination is up to 1.0 FL, fixed or dimmable, for use as low speed Ethernet components such as in-vehicle databus, display, sensors and cameras (provided for in subheading 8544.30.00)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108301. INSULATED ELECTRIC CONDUCTORS, OF A**
 6 **KIND USED WITH EXTREME ULTRAVIOLET LI-**
 7 **THOGRAPHY MACHINES.**

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.32.09	Electrical cables and cable bundles for a voltage not exceeding 1,000 V, fitted with connectors (provided for in subheading 8544.42.90), the foregoing of a kind used with Extreme Ultraviolet (EUV) Lithography machines and apparatus for the manufacture of semiconductor devices of subheading 8486.20.00	0.9%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108302. INSULATED ELECTRIC CONDUCTORS, OF A**
 2 **KIND USED WITH DEEP ULTRAVIOLET LI-**
 3 **THOGRAPHY MACHINES.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.32.10	Electrical cables and cable bundles for a voltage not exceeding 1,000 V, fitted with connectors (provided for in subheading 8544.42.90), the foregoing of a kind used with Deep Ultraviolet (DUV) Lithography machines and apparatus for the manufacture of semiconductor devices of subheading 8486.20.00	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 108303. INSULATED ELECTRIC CONDUCTORS, OF A**
 7 **KIND USED WITH OPTICAL INSTRUMENTS.**

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.32.11	Electrical cables and cable bundles for a voltage not exceeding 1,000 V, fitted with connectors (provided for in subheading 8544.42.90), the foregoing of a kind used with optical instruments and appliances for inspecting semiconductor wafers of 9031.41.00	Free	No change	No change	On or before 12/31/2023	”.
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10 **SEC. 108304. RINGS, BLOCKS, AND OTHER INSULATING FIT-**
 11 **TINGS OF QUARTZ.**

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.32.12	Rings, blocks, and other insulating fittings of quartz (provided for in subheading 8547.90.00), the foregoing of a kind used with machines and apparatus for the manufacture or inspection of semiconductor devices of subheading 8486.20.00	3.3%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108305. FRONT TIRE SPLASH GUARDS FOR VEHICLES.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.32.13	Front tire splash guards of thermoplastic polyolefin, composed of 85 to 87 percent ethylene propylene and 9 to 11 percent talc (provided for in subheading 8708.29.50) ...	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108306. REAR TIRE SPLASH GUARDS FOR VEHICLES.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.32.14	Rear tire splash guards of thermoplastic polyolefin, composed of 85 to 87 percent ethylene propylene and 9 to 11 percent talc (provided for in subheading 8708.29.50) ...	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 108307. AUTOMATIC GEAR BOXES.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.32.15	Automatic gear boxes used for vehicles of headings 8701 and 8704, other than goods described in heading 9902.17.01, each with 14 speeds and torque ratings of 280 kg/m (provided for in subheading 8708.40.11)	1.5%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108308. SUSPENSION SYSTEMS (STRUTS) FOR OFF-**
 2 **HIGHWAY TRUCKS.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.32.16	Struts used in suspension systems for vehicles of headings 8704 (provided for in subheading 8708.80.16)	1.2%	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108309. SUSPENSION SYSTEM STABILIZER BARS.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.32.17	Suspension system stabilizer bars of alloy steel, weighing between 35 and 44 kg, designed for use in Class 7 and Class 8 heavy duty trucks only (provided for in subheading 8708.80.65)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 108310. TIE ROD ASSEMBLIES.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.32.18	Tie rod assemblies of steering columns and steering boxes; parts thereof (provided for in subheading 8708.94.75)	0.4%	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 108311. USED AXLE HOUSINGS.**

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.32.19	Used axle housings (spindles) for vehicles of heading 8704 (provided for in subheading 8708.99.68)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108312. USED PARTS FOR POWER TRAINS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.32.20	Used final drive and wheel assemblies for power trains, such final drive and wheel assemblies consisting of planetary gear reduction final drives and wheel assemblies, brake discs or rotors and a wheel hub for vehicles of heading 8704 (provided for in subheading 8708.99.68)	2%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108313. FRONT WINDSHIELD COVERS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.32.21	Front windshield cover constructed of 100 percent water resistant polyester, having an elastic attachment system, side view mirror covers, wiper protector cover and a dry storage pouch when not in use (provided for in subheading 8708.99.81)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 108314. EXPANSION CHAMBERS.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.32.22	Expansion chambers, each consisting of a blow molded tube shaped HDPE plastic body, measuring approximately 59.89 cm in width, 73.17 cm in length and 26.46 cm in height, designed for permanent welding to a gasoline or diesel fuel tank body (provided for in subheading 8708.99.81)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 108315. BICYCLE RACKS FOR CAR ROOFS.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.32.23	Roof mounted bicycle rack trays for motor vehicles, such trays designed to transport bicycles (provided for in subheading 8708.99.81)	2.4%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108316. HIGH PRESSURE FUEL INJECTOR RAILS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.32.24	High pressure fuel injector rails made of steel alloy used to transport fuel from a pump to fuel injectors on a diesel engine principally used in articles under heading 8702 or 8704 (provided for in subheading 8708.99.81) ...	Free	No change	No change	On or before 12/31/2023	”.
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**4 SEC. 108317. STAND-UP BICYCLES, HAVING BOTH WHEELS
 5 EXCEEDING 63.5 CM IN DIAMETER.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.32.25	Stand-up bicycles each with no seat, no seat tube, and no seat stay, designed to be pedaled by a user in a standing position only, such bicycles having both wheels exceeding 63.5 cm in diameter (provided for in subheading 8712.00.35)	Free	No change	No change	On or before 12/31/2023	”.
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**8 SEC. 108318. ELLIPTICAL CYCLES, WITH WHEELS NOT EX-
 9 CEEDING 63.5 CM IN DIAMETER.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.32.26	Cycles, each either with two wheels or with three wheels and having all wheels exceeding 63.5 cm in diameter; all the foregoing propelled by laterally mounted pedals designed to be pushed in an alternative elliptical step motion (provided for in subheading 8712.00.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108319. BICYCLE FRAMES, OTHER THAN OF STEEL,**
2 **VALUED \$600 OR LESS.**

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.32.27	Bicycle frames, other than of steel, valued not over \$600 each (provided for in subheading 8714.91.30)	2.8%	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108320. INTERNAL GEAR BICYCLE HUBS, OTHER THAN**
6 **TWO OR THREE SPEEDS.**

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.32.28	Variable speed internal gear hubs for bicycles, other than two or three speed hubs (provided for in subheading 8714.93.28)	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 108321. BICYCLE PEDALS OTHER THAN CLIPLESS PED-**
10 **ALS.**

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.32.29	Flat pedals and parts thereof (provided for in subheading 8714.96.10); the foregoing excluding clipless bicycle pedals and parts thereof	5.7%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108322. CLIPLESS BICYCLE PEDALS AND PARTS**
 2 **THEREOF.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.32.30	Clipless bicycle pedals and parts thereof (provided for in subheading 8714.96.10)	3.8%	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108323. CARBON FIBER BICYCLE SEATPOSTS.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.32.31	Seat posts of carbon fiber, such seat posts designed for use on bicycles (provided for in subheading 8714.99.80) ...	1%	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 108324. BICYCLE HANDLEBAR TAPE, OTHER THAN SIL-**
 9 **ICON OR LEATHER TAPE.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.32.32	Handlebar tape, other than of silicon or of leather, such tape designed for use on bicycles (provided for in subheading 8714.99.80)	4.2%	No change	No change	On or before 12/31/2023	”.
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12 **SEC. 108325. TRAILER CYCLES.**

13 Subchapter II of chapter 99 is amended by inserting
 14 in numerical sequence the following new heading:

“	9902.32.33	Trailer cycles with a steel or aluminum frame, a single wheel measuring approximately 50-52 cm, a seat, a cranksset, pedals and a handlebar designed for child riders (provided for in subheading 8714.99.80)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108326. DROPPER SEATPOSTS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.32.34	Bicycle seatposts of aluminum with an internal mechanism to adjust saddle height while riding using a remote lever control (provided for in subheading 8714.99.80)	5%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108327. BICYCLE FENDERS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.32.35	Bicycle fenders other than of steel (provided for in subheading 8714.99.80)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 108328. BICYCLE HANDLEBARS.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.32.36	Bicycle handlebars, other than steel bicycle handlebars with a stem clamp diameter of 25.4 millimeters or less (provided for in subheading 8714.99.80)	5.6%	No change	No change	On or before 12/31/2023	”.
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10 SEC. 108329. MULTI-FUNCTIONAL STEEL CARTS.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.32.37	Multi-functional carts of steel, not mechanically propelled, each with a capacity less than 0.125 cubic meters, such carts designed to function as a combined dolly, wheelbarrow and work cart (provided for in subheading 8716.80.50)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108330. NON-MECHANICALLY PROPELLED INDUSTRIAL**
 2 **HAND TRUCK.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.32.38	Four wheeled non-motorized carts constructed primarily of base metal, such carts designed to move lithography equipment modules, apparatus and parts thereof (provided for in subheading 8716.80.50)	0.3%	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108331. MOVING DOLLIES.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.32.39	Moving dollies, of hardwood, not mechanically propelled, measuring greater than 45.72 cm but not exceeding 76.2 cm in length, and greater than 30.48 cm but not exceeding 45.72 cm in width; each mounted on casters with a diameter not exceeding 8 cm, such dollies valued not over \$9 each (provided for in subheading 8716.80.50)	3.1%	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 108332. PARAGLIDERS, PARAGLIDER WINGS AND**
 9 **PARAGLIDER HARNESESSES.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.32.40	Paragliders, paraglider wings, and paraglider harnesses (provided for in heading 8804.00.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108333. SAILING CATAMARANS AND POWER CATA-**
 2 **MARANS.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.32.41	Sailboats, for pleasure or sports, with an auxiliary motor, exceeding 9.2 m in length (provided for in sub-heading 8903.91.00)	1.2%	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108334. PROJECTION LENSES.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.32.42	Projection lenses, each with focal length of 5.2 mm or more but not over 165.0 mm, throw ratio of 0.28:1 or more but not over 12:1 and focus range optical 0.45 m or more but not over 40 m, the foregoing not exceeding 15 kg in weight (provided for in sub-heading 9002.11.40)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 108335. MOUNTED OPTICAL LENSES.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.32.43	Mounted optical lenses of molded plastic or optically worked glass, measuring between 15 mm and 25 mm in height and between 10 mm and 14 mm in diameter, such lenses mounted in a barrel of brass, aluminum or similar metal (provided for in sub-heading 9002.11.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108336. OBJECTIVE LENSES FOR BROADCAST CAM-**
 2 **ERAS.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.32.44	Objective lenses with a B4 mount, such lenses for cameras with 11 mm diagonal sensors (provided for in subheading 9002.11.90)	1.1%	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108337. OBJECTIVE LENSES FOR CINEMA CAMERAS.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.32.45	Objective lenses with a positive lock mount for cameras with diagonal sensors of more than 28 mm but less than 46 mm (provided for in subheading 9002.11.90)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 108338. MAGNIFYING SPECTACLES.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.32.46	Magnifying spectacles consisting of spectacle frames with convex lenses worn to enlarge images (provided for in subheading 9004.90.00) ...	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 108339. LCD TELEVISION PANEL ASSEMBLIES, WITH A**
 12 **VIDEO DISPLAY MEASURING OVER 175.26 CM.**

13 Subchapter II of chapter 99 is amended by inserting
 14 in numerical sequence the following new heading:

“	9902.32.47	Liquid crystal display (LCD) television panel assemblies, each with a video display diagonal measuring over 175.26 cm (provided for in subheading 9013.80.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108340. LCD TELEVISION PANEL ASSEMBLIES, WITH A**
 2 **VIDEO DISPLAY MEASURING OVER 149.86 CM**
 3 **BUT NOT OVER 175.26 CM.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.32.48	Liquid crystal display (LCD) television panel assemblies, each with a video display diagonal measuring over 149.86 cm but not over 175.26 cm (provided for in subheading 9013.80.90)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 108341. LCD TELEVISION PANEL ASSEMBLIES, WITH A**
 7 **VIDEO DISPLAY MEASURING OVER 139.7 CM**
 8 **BUT NOT OVER 149.86 CM.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.32.49	Liquid crystal display (LCD) television panel assemblies, each with a video display diagonal measuring over 139.7 cm but not over 149.86 cm (provided for in subheading 9013.80.90)	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 108342. LCD TELEVISION PANEL ASSEMBLIES, WITH A**
 12 **VIDEO DISPLAY MEASURING OVER 137.16 CM**
 13 **BUT NOT OVER 139.7 CM.**

14 Subchapter II of chapter 99 is amended by inserting
 15 in numerical sequence the following new heading:

“	9902.32.50	Liquid crystal display (LCD) television panel assemblies, each with a video display diagonal measuring over 137.16 cm but not over 139.7 cm (provided for in subheading 9013.80.90)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108343. HOUSINGS DESIGNED FOR INFRARED LENSES.**

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.32.51	Lens housings of aluminum alloy, with or without anodization, designed for infrared lenses with diameters not less than 10 mm and not more than 100 mm (provided for in subheading 9013.90.80)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 108344. ELECTRONIC TEMPERATURE INDICATORS,**
 5 **WEIGHING 14.2 G.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.32.52	Electrical data monitors, of a kind used to measure ambient temperature, each designed for single use, with customizable alarm settings, liquid crystal display (LCD) screen, enclosed in plastic housing measuring 4.1 cm by 4.9 cm by 0.8 cm, weighing 14.2 g (provided for in subheading 9025.80.10)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 108345. ELECTRONIC TEMPERATURE INDICATORS,**
 9 **WEIGHING 64.4 G.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.32.53	Electrical data monitors, of a kind used for measuring ambient temperatures and designed for single use, each with a programmable alarm and liquid crystal display (LCD) screen, enclosed in a plastic housing, measuring 98.9 mm in length, 58 mm in width, 17.7 mm in height and weighing 64.4 g (provided for in subheading 9025.80.10) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108346. ELECTRONIC TEMPERATURE INDICATORS,**
 2 **WEIGHING 430 G.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.32.54	Electrical data monitors, each with sensors to measure temperature, light, motion, and jamming detection, and capable of transmitting such data using cellular 3G networks, each with a liquid crystal display (LCD), encased in a plastic housing, measuring 132.05 mm in height, 148.07 mm in width, 25.2 mm in diameter, containing a 10.4 Ahr lithium ion battery, and weighing 430 g (provided for in subheading 9025.80.10) ...	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108347. GLOBAL CARGO TRACKERS, WEIGHING 660 G.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.32.55	Electrical data monitors, each with sensors to monitor location, temperature, light, motion and jamming detection, capable of transmitting such data using cellular 3G networks, with a liquid crystal display (LCD) encased in a plastic housing, measuring 170.05 mm in height, 148.01 mm in width, 26.72 mm in diameter, containing a 20.8 Ahr lithium ion battery, and weighing 660 g (provided for in subheading 9025.80.10) ...	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 108348. TEMPERATURE DATA MONITORS, WEIGHING**
 9 **115 G.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.32.56	Electrical data monitors, each with sensors to measure temperature, light and location and each capable of transmitting such data using cellular 2G networks, of a kind used in the transportation of goods, enclosed in a plastic housing measuring 101 mm by 65 mm by 29 mm, weighing 115 g (provided for in subheading 9025.80.10)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108349. TEMPERATURE DATA MONITORS, WEIGHING

2 138.9 G.

3 Subchapter II of chapter 99 is amended by inserting

4 in numerical sequence the following new heading:

“	9902.32.57	Electrical data monitors, each with sensors to measure temperature, light and location and each capable of transmitting such data using cellular 3G networks, of a kind used in the transportation of goods, enclosed in a plastic housing measuring 101 mm by 65 mm by 29 mm, weighing 138.9 g (provided for in subheading 9025.80.10)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 108350. TEMPERATURE DATA MONITORS, WEIGHING

6 133.2 G.

7 Subchapter II of chapter 99 is amended by inserting

8 in numerical sequence the following new heading:

“	9902.32.58	Electrical data monitors, each with sensors to measure temperature, light and location and each capable of transmitting such data using cellular 2G networks, of a kind used in the transportation of goods, enclosed in a plastic housing measuring 101 mm by 65 mm by 29 mm, weighing 133.2 g (provided for in subheading 9025.80.10)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108351. PARTS AND ACCESSORIES OF BICYCLE SPEED-**
 2 **OMETERS.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.32.59	Parts and accessories of bicycle speedometers (provided for in subheading 9029.90.40)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108352. WIRED REMOTE CONTROLLERS.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.32.60	Thermostats designed for use with indoor fan coils, each with a screen, six buttons, electrical components and covered in a plastic coating, such thermostats measuring 190.5 mm in length, 287.02 mm in width and 157.5 mm in height (provided for in subheading 9032.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 108353. ANALOG/DIGITAL WRIST WATCHES.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.32.61	Analog/digital wrist watches (other than those of heading 9101), electrically operated, whether or not incorporating a stop watch facility, such watches having no jewels or only one jewel in the movement and with bracelet other than of textile material or of base metal (provided for in subheading 9102.19.40)	Free	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 108354. MECHANICAL WRIST WATCHES.**

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.32.62	Mechanical wrist watches (other than those of heading 9101), with automatic winding, having over 17 jewels in the movement, with bracelet of stainless steel, whether or not gold- or silver-plated (provided for in subheading 9102.21.70)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108355. MECHANICAL WRIST WATCHES WITH LEATHER
2 OR OTHER BAND.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.32.63	Mechanical wrist watches (other than those of heading 9101), with automatic winding, having over 17 jewels in the movement, such watches with bracelet other than of textile material or of base metal (provided for in subheading 9102.21.90)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 108356. ANALOG POCKET WATCHES.

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.32.64	Analog pocket watches (other than those of heading 9101), electrically operated, having no jewels or only one jewel in the movement (provided for in subheading 9102.91.40) ...	Free	No change	No change	On or before 12/31/2023	”.
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8 SEC. 108357. PROJECTION ALARM CLOCKS, NON-ATOMIC.

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.32.65	Electrically-operated alarm clocks, such clocks capable of displaying time, date, indoor humidity and indoor temperature, the foregoing including an integrated Universal Serial Bus (USB) charging port and a projection unit that projects time, whether or not also capable of projecting temperature (provided for in subheading 9105.11.40)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108358. PROJECTION ATOMIC ALARM CLOCKS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.32.66	Electrically-operated atomic alarm clocks, such clocks capable of displaying time, date and temperature, the foregoing including an integrated Universal Serial Bus (USB) charging port and a projection unit that projects both time and temperature (provided for in subheading 9105.11.40)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 108359. ANALOG WALL CLOCKS WITHOUT THERMOM-**
 5 **ETER, HYGROMETER, OR BAROMETER**
 6 **GAUGES.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.32.67	Analog wall clocks, each with a diameter measuring between 35 cm to 62 cm (provided for in subheading 9105.21.80), the foregoing without thermometer, hygrometer or barometer gauges	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108360. ANALOG CLOCKS WITH THERMOMETER AND**
 2 **HYGROMETER.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.32.68	Analog clocks, each with a temperature gauge and a humidity gauge and a diameter measuring between 20 cm and 62 cm (provided for in subheading 9105.21.80)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108361. ATOMIC ANALOG WALL CLOCKS.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.32.69	Electrically operated atomic wall clocks, designed to receive phase-modulated time code, the foregoing each with a stainless steel frame measuring approximately 35.56 cm in diameter and an analog display (provided for in subheading 9105.21.80)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 108362. ATOMIC DIGITAL CLOCKS.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.32.70	Electrically-operated atomic clocks, each with one or more opto-electronic displays to provide time, date and temperature, whether or not such clocks have an alarm function or a moon phase display; the foregoing each with openings on the back for wall-mounting and a pull-out stand for placement on flat surfaces (provided for in subheading 9105.91.40)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108363. ANALOG KITCHEN TIMERS.**

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.32.71	Analog kitchen timers, not battery or AC powered, each with dimensions not exceeding 6 cm by 12 cm by 24 cm, such timers designed to count down from 60 minutes and shut off automatically (provided for in subheading 9106.90.85)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 108364. WRIST WATCH MOVEMENTS HAVING OVER**
 5 **ONE JEWEL AND LESS THAN 7 JEWELS.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.32.72	Complete watch movements, unassembled, having over one jewel but not over 7 jewels, measuring less than 33.8 mm in diameter (provided for in subheading 9110.11.00)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 108365. WATCH MOVEMENTS HAVING OVER 7 JEWELS**
 9 **AND UNDER 17 JEWELS.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.32.73	Complete watch movements, unassembled, having over 7 jewels but not over 17 jewels, measuring less than 33.8 mm in diameter (provided for in subheading 9110.11.00)	Free	No change	No change	On or before 12/31/2023	”.
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12 **SEC. 108366. WATCH CASES OR “BODIES” OVER 41 MM IN DI-**
 13 **AMETER.**

14 Subchapter II of chapter 99 is amended by inserting
 15 in numerical sequence the following new heading:

“	9902.32.74	Watch cases of stainless steel, other than gold- or silver-plated, each measuring over 41 mm in width or diameter (provided for in subheading 9111.20.40)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108367. WATCH CASES OR “BODIES” NOT OVER 41 MM
2 IN DIAMETER.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.32.75	Watch cases of stainless steel, other than gold- or silver-plated, each measuring not over 41 mm in width or diameter (provided for in subheading 9111.20.40)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 108368. WATCH CASE BEZELS, BACKS, AND CENTERS.

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.32.76	Watch case bezels, backs and centers, the foregoing not of precious metal or of metal clad with precious metal (provided for in subheading 9111.90.50)	Free	No change	No change	On or before 12/31/2023	”.
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8 SEC. 108369. WATCH CASE PARTS.

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.32.77	Parts of watch cases, not of precious metal or of metal clad with precious metal, the foregoing other than watch bezels, backs and centers (provided for in subheading 9111.90.70)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108370. STAINLESS STEEL WATCH BRACELETS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.32.78	Watch bracelets of stainless steel, whether or not gold- or silver-plated, valued over \$100 per dozen (provided for in subheading 9113.20.40) ...	4.1%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108371. WATCH DIALS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.32.79	Watch dials, not exceeding 50 mm in width (provided for in subheading 9114.30.40)	1%	No change	No change	On or before 12/31/2023	”.
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7 SEC. 108372. WATCH CROWNS.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.32.80	Watch crowns of stainless steel, each with a diameter greater than 3 mm but not exceeding 10 mm (provided for in subheading 9114.90.40)	Free	No change	No change	On or before 12/31/2023	”.
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10 SEC. 108373. WATCH HANDS.

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.32.81	Watch hands of brass, designed to indicate hour, minute, second or counter (provided for in subheading 9114.90.40)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108374. ACOUSTIC GUITARS.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.32.82	Acoustic guitars, valued not over \$100 each, excluding the value of the case (provided for in subheading 9202.90.20)	3.6%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108375. CONSOLE DIGITAL PIANOS.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.32.83	Upright console digital pianos, the sound of which is produced, or must be amplified, electrically; each with one 88-key hammer action keyboard and valued at \$100 or more (provided for in subheading 9207.10.00)	4.5%	No change	No change	On or before 12/31/2023	”.
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7 SEC. 108376. GRAND DIGITAL PIANOS.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.32.84	Grand pianos, digital, each with one 88-key hammer action keyboard and valued \$100 or more (provided for in subheading 9207.10.00)	0.4%	No change	No change	On or before 12/31/2023	”.
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10 SEC. 108377. ELECTRONIC 61-KEY KEYBOARDS.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.32.85	Electronic 61-key musical single keyboard instruments, each with folding stand and stool, weighing approximately 5.4 kg and valued \$48 or more but not over \$55 (provided for in subheading 9207.10.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108378. ELECTRIC GUITARS AND ACOUSTIC/ELECTRIC**
 2 **GUITARS.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.32.86	Electric guitars, designed to be amplified electronically, valued over \$40 but not more than \$200 per unit (provided for in subheading 9207.90.00)	3.7%	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108379. MEMORY FOAM TRAVEL PILLOWS.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.32.87	Travel pillows of viscoelastic polyurethane foam and with cover of polyester fabric, each pillow with a zipper and a hook-and-loop attachment and measuring 10 cm or more but not over 13 cm in height, 21 cm or more but not over 28 cm in length and 21 cm or more but not over 26 cm in width (provided for in subheading 9404.90.20) ...	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 108380. LIGHTING FOR WALL INSTALLATION.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.32.88	Electrical lighting fittings, of base metal other than of brass, such goods designed for permanent wall installation (provided for in subheading 9405.10.60)	7%	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 108381. DECORATIVE BATHROOM FAN ASSEMBLIES**
 12 **(LIGHTING FIXTURES) ASSEMBLIES.**

13 Subchapter II of chapter 99 is amended by inserting
 14 in numerical sequence the following new heading:

“	9902.32.89	Decorative bathroom fan globe assemblies (lighting fixtures), with base metal and glass, acrylic or polycarbonate lens or globe, the foregoing designed to be used exclusively for exhaust fan lights (provided for in subheading 9405.10.80)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108382. METAL HOUSEHOLD FLOOR LAMPS.**

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.32.90	Electric household floor standing lamps, of base metal other than brass, each with an E26 socket (provided for in subheading 9405.20.60) ...	5.7%	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 108383. SOLAR POWERED PATHWAY LIGHTS, EACH**
 5 **MEASURING BETWEEN 36.8 CM AND 42 CM IN**
 6 **HEIGHT.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.32.91	Solar powered pathway lights, of base metal other than of brass, having glass lenses, each measuring between 45 cm and 48 cm in height, containing a rechargeable 900 milliampere-hour (mAh) battery and LED lamp (provided for in subheading 9405.40.60)	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 108384. SOLAR POWERED PATHWAY LIGHTS, EACH**
 10 **MEASURING BETWEEN 45 CM AND 48 CM IN**
 11 **HEIGHT.**

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.32.92	Solar powered pathway lights, of base metal other than of brass, having glass lenses, measuring between 36.8 cm and 42 cm in height, each containing a rechargeable 800 milliampere-hour (mAh) battery and a light-emitting diode (LED) lamp (provided for in subheading 9405.40.60)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108385. EXTERIOR EXIT VIEWING LIGHTS, DUAL BEAM.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.32.93	Exterior exit viewing lights, of aluminum alloy, round in shape, with a diameter not more than 12.5 cm and a weight not over 0.3 kg, each containing a two light emitting diode, printed circuit board and electrical connector, the foregoing configured to be mounted to the exterior of an aircraft and designed for illuminating the ground contact areas for personnel in the event of an emergency landing (provided for in subheading 9405.40.60)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108386. LED FLAMELESS CANDLES.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.32.94	Light-emitting diode (LED) flameless pillar-shaped candles, of unscented wax, each incorporating a timer, with realistic flame movement and with remote control (provided for in subheading 9405.40.84)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 108387. AQUARIUM LED LIGHT STRANDS.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.32.95	Light-emitting diode (LED) low voltage lighting designed for use with aquarium tanks, each with from one to ten LED modules with three LED arrays, with power source and plastic housing to protect circuitry (provided for in subheading 9405.40.84) ...	Free	No change	No change	On or before 12/31/2023	”.
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**1 SEC. 108388. LED LIGHT MODULES FOR BATHROOM FANS/
2 LIGHTS.**

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.32.96	Light emitting diode (LED) lighting modules, each with DC output between 260 milliampere and 320 milliamper and designed to be used in the manufacture of a bathroom exhaust fan/light (provided for in subheading 9405.40.84)	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 108389. AQUARIUM LED LIGHT STICKS.

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.32.97	Light-emitting diode (LED) low voltage light sticks designed for use with aquarium tanks, ranging in length from 4 cm to 70 cm, including single and double light sticks with power source, with LED arrays distributed along the length of the stick, LEDs and circuitry protected by a clear plastic sealed tube (provided for in subheading 9405.40.84)	Free	No change	No change	On or before 12/31/2023	”.
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8 SEC. 108390. AQUARIUM LED LIGHT STRIPS.

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.32.98	Light-emitting diode (LED) low voltage light strips designed for use with aquarium tanks, having protective housings of plastics or of aluminum, with LED arrays arranged in rows and columns, presented with power source, with plastic lens to protect circuitry (provided for in subheading 9405.40.84)	1.7%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108391. DECORATIVE VOTIVE CANDLE HOLDERS.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.32.99	Decorative candle holders other than of brass, each measuring 5 cm to 17.2 cm in height and 5 cm to 15.25 cm in diameter, weighing 6.2 g or more but not more than 2.7 kg, valued over \$0.50 but not over \$15 each (provided for in subheading 9405.50.40)	3.9%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108392. CANDLE JAR SHADES.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.33.01	Decorative candle holder shades, other than of brass, each designed to fit on the top of a jar style candle holder (provided for in subheading 9405.50.40)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 108393. NON-ELECTRICAL LIGHTING.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.33.02	Non-electrical lamps (luminaires) designed for wall mounting, of base metal other than of brass, each having a glass sleeve; the foregoing not including candle lamps (provided for in subheading 9405.50.40)	5.8%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108394. OUTDOOR GARDEN OR PATIO TORCHES OF**
 2 **BAMBOO CONSTRUCTION.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.33.03	Outdoor garden torches, each comprising a dried bamboo pole supporting a compartment holding a fuel canister and wick, measuring 0.75 m to 1.6 m in height (provided for in subheading 9405.50.40)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108395. OUTDOOR GARDEN OR PATIO TORCHES OF**
 6 **NON-BAMBOO CONSTRUCTION.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.33.04	Outdoor garden torches, of any single material including base metal (other than brass), glass, ceramic or resin or a combination thereof; but not of bamboo; each incorporating a reservoir for fuel and a wick (provided for in subheading 9405.50.40)	0.8%	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 108396. INDOOR OIL LAMPS WITH BASE OF GLASS OR**
 10 **METAL.**

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.33.05	Oil lamps, with a base of metal (other than of brass) or of glass, each lamp with wick holder, glass chimney and flat or round wick (provided for in subheading 9405.50.40) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108397. OUTDOOR GARDEN TORCHES FOR TABLETOP**

2 **USE.**

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.33.06	Outdoor garden torches for tabletop use, such torches of bamboo, metal other than brass, glass, ceramic or resin, each incorporating a woven wick (provided for in sub-heading 9405.50.40)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108398. GLASS LENS ARRAYS FOR SPOTLIGHTS.**

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.33.07	Glass lens arrays, each molded to form 60 individual lenses on one side, each such lens measuring 10 mm in diameter, with a smooth reverse side, designed for insertion into an LED light fixture (provided for in sub-heading 9405.91.60)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 108399. LAMP SHADES.**

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.33.08	Shades for lamps (luminaires), of vegetable fibers (provided for in sub-heading 9405.99.40)	4.8%	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 108400. GALVANIZED STEEL LED DOWNLIGHT HOUS-**
12 **ING FRAMES.**

13 Subchapter II of chapter 99 is amended by inserting
14 in numerical sequence the following new heading:

“	9902.33.09	Housing frames of galvanized steel (bare metal), designed for use in light emitting diode (LED) downlights (provided for in subheading 9405.99.40)	4.8%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108401. ALUMINUM CYLINDERS FOR LED LIGHTING
2 FIXTURES.

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.33.10	Cylinders of aluminum, designed for light emitting diode (LED) lighting fixtures (provided for in subheading 9405.99.40)	4%	No change	No change	On or before 12/31/2023	”.
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5 SEC. 108402. GALVANIZED STEEL BRACKETS AND PLATES
6 FOR LED LIGHTING FIXTURES.

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.33.11	Brackets and plates of galvanized steel, designed for use with light emitting diode (LED) lighting fixtures (provided for in subheading 9405.99.40)	3.5%	No change	No change	On or before 12/31/2023	”.
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9 SEC. 108403. ALUMINUM LED DOWNLIGHT REFLECTORS.

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.33.12	Reflectors of aluminum, designed for light emitting diode (LED) downlights (provided for in subheading 9405.99.40)	3.5%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108404. OUTDOOR GARDEN TORCH REPLACEMENT**
 2 **CANISTERS.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.33.13	Canisters designed for outdoor garden torches, of base metal other than brass, each incorporating a wick and flameguard (provided for in subheading 9405.99.40)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108405. IRIS SUBASSEMBLIES FOR MOVING LIGHTS.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.33.14	Iris subassemblies, each consisting of two or more parts or pieces fastened or joined together, including an adjustable opening, the foregoing designed for controlling the dimensions of a beam produced by an automated moving light fixture (provided for in subheading 9405.99.40) ...	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 108406. ZOOM MODULES FOR AUTOMATED MOVING**
 9 **LIGHTS.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.33.15	Zoom modules, each consisting of two or more parts or pieces fastened or joined together, including rails or lenses, such modules each designed for moving the lenses of an automated moving light fixture (provided for in subheading 9405.99.40)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108407. GOLF CLUB HEADS FOR FAIRWAY WOODS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.33.16	Golf club heads designed for clubs designated as fairway woods (provided for in subheading 9506.39.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108408. GOLF CLUB SHAFTS FOR PUTTERS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.33.17	Golf club shafts, designed for use with putters (provided for in subheading 9506.39.00), the foregoing other than goods described in any other heading of this subchapter	Free	No change	No change	On or before 12/31/2023	”.
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**7 SEC. 108409. STEEL GOLF CLUB SHAFTS, OTHER THAN FOR
8 PUTTERS.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.33.18	Golf club shafts of steel, other than those designed for use with putters (provided for in subheading 9506.39.00) ...	Free	No change	No change	On or before 12/31/2023	”.
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11 SEC. 108410. GOLF CLUB SHAFT ASSEMBLIES.

12 Subchapter II of chapter 99 is amended by inserting
 13 in numerical sequence the following new heading:

“	9902.33.19	Golf club shaft assemblies, each comprising a graphite golf shaft with a grip attached by adhesive tape and a loft adapter attached by glue (provided for in subheading 9506.39.00), the foregoing other than goods described in any other heading of this subchapter	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108411. GRAPHITE DRIVER GOLF CLUB SHAFTS, EXTRA**
 2 **STIFF FLEX.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.33.20	Golf club shafts of graphite, designed for use with driver and/or fairway wood clubs, the forgoing measuring from approximately 106.7 cm to 121.9 cm, of extra stiff flexibility as denoted by a letter code of “X” or “TX” imprinted on the shaft (provided for in subheading 9506.39.00), the foregoing other than goods described in any other heading of this subchapter	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108412. GRAPHITE HYBRID GOLF CLUB SHAFTS,**
 6 **EXTRA STIFF FLEX.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.33.21	Golf club shafts of graphite, designed for use with hybrid clubs, the forgoing measuring from approximately 101.6 cm to 106.6 cm, of extra stiff flexibility as denoted by a letter code of “X” or “TX” imprinted on the shaft (provided for in subheading 9506.39.00), the foregoing other than goods described in any other heading of this chapter	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 108413. GRAPHITE IRONS GOLF CLUB SHAFTS, EXTRA**
 10 **STIFF FLEX.**

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.33.22	Golf club shafts of graphite, designed for use with irons, each measuring from approximately 88.9 cm to 101.5 cm, of extra stiff flexibility as denoted by a letter code of “X” or “TX” imprinted on the shaft (provided for in subheading 9506.39.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108414. GRAPHITE DRIVER GOLF CLUB SHAFTS, REG-
2 ULAR, SENIOR, ADULT, OR LADIES FLEX.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.33.23	Golf club shafts of graphite, designed for use with driver and/or fairway wood clubs, each measuring from approximately 106.7 cm to 121.9 cm, of regular, light, senior, adult and/or ladies flexibility as denoted by a code of “R”, “L”, “A”, “M”, “AM”, “A/M”, “F2”, “F3”, “5.0”, “5.”, or “Senior” imprinted on the shaft (provided for in subheading 9506.39.00), the foregoing not described in any other heading of this subchapter	2.3%	No change	No change	On or before 12/31/2023	”.
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5 SEC. 108415. GRAPHITE GOLF CLUB DRIVER SHAFTS, STIFF
6 FLEX.

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.33.24	Golf club shafts of graphite, designed for use with driver and/or fairway wood clubs, each measuring from approximately 106.7 cm to 121.9 cm, of stiff flexibility denoted by a letter code “S”, “SR”, “TS”, “6.0”, “6.5” or “F4” imprinted on the shaft (provided for in subheading 9506.39.00), the foregoing presented without loft adapter	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108416. GRAPHITE HYBRID GOLF CLUB SHAFTS, REG-**
 2 **ULAR, SENIOR, ADULT, OR LADIES FLEX.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.33.25	Golf club shafts of graphite, designed for use with hybrid clubs, each measuring from approximately 101.6 cm to 106.6 cm, such shafts of regular, light, senior, adult and/or ladies flexibility as denoted by a code of “R”, “L”, “A”, “M”, “AM”, “A/M”, “F2”, “F3”, “5.0”, “5.5” or “Senior” imprinted on the shaft (provided for in subheading 9506.39.00), the foregoing not described in any other heading of this subchapter	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108417. GRAPHITE HYBRID GOLF CLUB SHAFTS, STIFF**
 6 **FLEX.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.33.26	Golf club shafts of graphite, designed for use with hybrid clubs, the foregoing measuring approximately 101.6 cm to 106.6 cm in length, of stiff flexibility as denoted by a letter code of “S”, “SR”, “TS”, “6.0”, “6.5” or “F4” imprinted on the shaft (provided for in subheading 9506.39.00)	Free	No change	No change	On or before 12/31/2023	”.
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9 **SEC. 108418. GRAPHITE IRONS GOLF CLUB SHAFTS, REG-**
 10 **ULAR, SENIOR, ADULT, OR LADIES FLEX.**

11 Subchapter II of chapter 99 is amended by inserting
 12 in numerical sequence the following new heading:

“	9902.33.27	Golf club shafts of graphite, designed for use with irons meaning the foregoing measuring from approximately 88.9 cm to 101.5 cm, each having regular, light, senior, adult, and/or ladies flexibility as denoted by a letter code of “R”, “L”, “A”, “M”, “AM”, “A/M”, “F2”, “F3”, “5.0”, “5.5” or “Senior” imprinted on the shaft (provided for in subheading 9506.39.00)”	2.9%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108419. GRAPHITE IRONS GOLF CLUB SHAFTS, STIFF
2 FLEX.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.33.28	Golf club shafts of graphite, designed for use with irons, each measuring from approximately 88.9 cm to 101.5 cm, of stiff flexibility as denoted by a letter code of “S”, “SR”, “TS”, “6.0”, “6.5” or “F4” imprinted on the shaft (provided for in subheading 9506.39.00), the foregoing other than goods described in any other heading of this subchapter	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 108420. PICKLEBALL PADDLES.

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.33.29	Pickleball paddles or rackets (provided for in subheading 9506.59.80)	Free	No change	No change	On or before 12/31/2023	”.
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8 SEC. 108421. PICKLEBALLS.

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.33.30	Noninflatable hollow pickleballs, each measuring not over 19 cm in diameter (provided for in subheading 9506.69.40)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108422. EXERCISE CYCLES.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.33.31	Upright, recumbent and semi-recumbent exercise cycles (provided for in subheading 9506.91.00), the foregoing other than goods described in any other heading of this subchapter	4.5%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108423. STATIONARY TRAINERS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.33.32	Bicycle stationary trainers, designed to hold bicycles upright and off-ground, each with 2 sections: a front stand with a clamp to attach to a bicycle’s steering column and a molded plastic piece to capture the front wheel, and a rear section that attaches to the bicycle’s rear axle having a resistance unit on which the rear wheel sits (provided for in subheading 9506.91.00)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 108424. MULTIMODALITY FITNESS EQUIPMENT, WITH-
8 OUT INTEGRATED CONTACT GRIP HEART
9 RATE MONITOR.

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.33.33	Fitness equipment, each with pivoting handles and foot pedals that perform alternating movements which combine the motions of a stepper and an elliptical machine, driving simultaneously a radial fan and magnetic brake in the base, such equipment without integrated contact grip heart rate monitor and weighing less than 90 kg (provided for in subheading 9506.91.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108425. MULTIMODALITY FITNESS EQUIPMENT WITH**
 2 **INTEGRATED POWER SENSOR TO MEASURE**
 3 **THE USER’S UPPER BODY POWER INPUT.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.33.34	Fitness equipment, each unit with pivoting handles and foot pedals that allow the user to perform alternating movements which combine the motions of a stepper and an elliptical machine, and driving simultaneously a radial fan and magnetic brake in the base; each weighing less than 90 kg and equipped with integrated contact grip heart rate monitor and integrated power sensor to measure the user’s upper body power input (provided for in subheading 9506.91.00)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 108426. PARTS AND ACCESSORIES FOR TREADMILLS.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.33.35	Parts and accessories (other than display consoles) of treadmills (provided for in subheading 9506.91.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108427. PARTS AND ACCESSORIES FOR ELLIPTICALS.**

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.33.36	Parts and accessories (other than display consoles) of elliptical fitness machines that use a forward and backward pedaling motion with adjustable vertical incline (provided for in subheading 9506.91.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 108428. PARTS AND ACCESSORIES FOR STATIONARY**
 5 **EXERCISE CYCLES.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.33.37	Parts and accessories (other than display consoles) of stationary exercise cycles (provided for in subheading 9506.91.00)	1.2%	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 108429. PARTS AND ACCESSORIES FOR WEIGHT TRAIN-**
 9 **ING EQUIPMENT.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.33.38	Parts of and accessories for dumbbells and other weight and strength training equipment (for example, resistance gyms) (provided for in subheading 9506.91.00)	Free	No change	No change	On or before 12/31/2023	”.
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12 **SEC. 108430. PARTS AND ACCESSORIES FOR CERTAIN EXER-**
 13 **CISE EQUIPMENT MACHINES.**

14 Subchapter II of chapter 99 is amended by inserting
 15 in numerical sequence the following new heading:

“	9902.33.39	Parts of and accessories for (other than display consoles) indoor aerobic fitness equipment, other than such goods for treadmills, stationary exercise cycles and ellipticals using forward and backward pedaling motion with adjustable vertical incline (provided for in subheading 9506.91.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108431. LATERAL ELLIPTICAL MACHINES.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.33.40	Fitness equipment, each with pivoting handles and vertical stationary grips, with suspension pedals that move in a lateral elliptical motion to drive a magnetic resistance assembly in the base, presented with contact grip heart rate monitor (provided for in subheading 9506.91.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108432. ADJUSTABLE-WEIGHT KETTLEBELLS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.33.41	Adjustable-weight kettlebells, each with rotating dial for selecting interlocking integrated weight plates within a designated weight range and presented with a separable base for holding unused weight plates (provided for in subheading 9506.91.00)	Free	No change	No change	On or before 12/31/2023	”.
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7 SEC. 108433. ADJUSTABLE-WEIGHT BARBELL.

8 Subchapter II of chapter 99 is amended by inserting
 9 in numerical sequence the following new heading:

“	9902.33.42	Adjustable-weight barbells, each with rotating selection end dials for selecting interlocking, integrated weight plates within a designated weight range, whether or not also including additional weight plates, adjustable-weight curl bar or specially designed stand (provided for in subheading 9506.91.00) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108434. EXERCISE CYCLES WITH DUAL-POSITION

2 HANDGRIPS.

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.33.43	Stationary wind-resistance exercise cycles, each with pivoting handlebars with dual-position horizontal handgrips and rotating foot pedals that drive a large, caged axial fan (provided for in subheading 9506.91.00), the foregoing other than goods described in any other heading of this subchapter	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 108435. EXERCISE CYCLES WITH SINGLE HANDGRIPS.

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.33.44	Stationary wind-resistance exercise cycles, each with pivoting handlebars and single horizontal handgrips, with rotating foot pedals that drive a large, caged axial fan (provided for in subheading 9506.91.00), the foregoing other than goods described in any other heading of this subchapter	0.5%	No change	No change	On or before 12/31/2023	”.
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8 SEC. 108436. UPRIGHT EXERCISE CYCLES.

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.33.45	Upright stationary exercise cycles, each having an enclosed magnetic brake system, fitted with connectors for and designed to incorporate a touchscreen console, whether or not presented with the touchscreen console (provided for in subheading 9506.91.00), the foregoing other than goods described in any other heading of this subchapter	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108437. RECUMBENT EXERCISE CYCLES WITH
2 TOUCHSCREEN CONSOLES.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.33.46	Recumbent stationary exercise cycles, each having an enclosed magnetic brake system, fitted with connectors for and designed to incorporate a touchscreen console, whether or not presented with such touchscreen console (provided for in subheading 9506.91.00), the foregoing other than goods described in any other heading of this subchapter	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 108438. LEANING EXERCISE CYCLES.

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.33.47	Stationary exercise cycles, each comprising a bicycle component connected to a base frame by pivots designed to partially rotate the bicycle component on a longitudinal axis, moving it side-to-side in response to the shifting weight of the user to simulate the rocking motion of an outdoor road bicycle (provided for in subheading 9506.91.00), the foregoing other than goods described in any other heading of this subchapter	1.1%	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108439. ROD GYMS, WITH VERTICAL BENCH.**

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.33.48	Full-body strength training fitness equipment (home gyms), each incorporating a vertical bench, a removable, adjustable seat, an attached backrest and a detachable leg extension/leg curl attachment, the foregoing each with interchangeable hand grips to connect to a cable and pulley system designed to employ flexible resistance rods, whether or not presented with such flexible rods (provided for in subheading 9506.91.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 108440. ROD AND RESISTANCE GYMS, WITH FLAT**
 5 **BENCHES.**

6 Subchapter II of chapter 99 is amended by inserting
 7 in numerical sequence the following new heading:

“	9902.33.49	Full-body strength training fitness equipment (home gyms), each with flat bench, sliding seat and removable backrest, equipped with interchangeable hand grips to connect to a cable and pulley system designed to employ flexible resistance rods or torsion resistance plates, whether or not presented with rods or plates (provided for in subheading 9506.91.00)	Free	No change	No change	On or before 12/31/2023	”.
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8 **SEC. 108441. FOLDABLE TREADMILLS, WITH LCD CONSOLES**
 9 **WITH CONTROL KEYPADS.**

10 Subchapter II of chapter 99 is amended by inserting
 11 in numerical sequence the following new heading:

“	9902.33.50	Foldable treadmills, each with a button-release locking mechanism required for folding the running deck for storage and releasing from the storage position for use, capable of wireless data exchange and incorporating a liquid crystal display console with control keypad (provided for in subheading 9506.91.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108442. FOLDABLE TREADMILLS, WITH TOUCHSCREEN**

2 **CONSOLES MEASURING 44.5 CM OR LESS.**

3 Subchapter II of chapter 99 is amended by inserting

4 in numerical sequence the following new heading:

“	9902.33.51	Foldable treadmills, each equipped with a button-release locking mechanism required for folding the running deck for storage and releasing from the storage position for use, capable of wireless data exchange and incorporating a touchscreen console having a diagonal display size measuring 44.5 cm or less (provided for in subheading 9506.91.00)	Free	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108443. INDOOR CYCLING MACHINES WITH WIRELESS**

6 **DATA TOUCHSCREEN DISPLAYS.**

7 Subchapter II of chapter 99 is amended by inserting

8 in numerical sequence the following new heading:

“	9902.33.52	Stationary indoor cycling exercise cycles, each with a frame designed to simulate the user's body position and pedaling of an outdoor road bicycle, with visible flywheel, equipped with an adjustable magnetic brake to resist rotation of the flywheel, manual emergency braking mechanism and interactive touchscreen display capable of wireless data exchange and two water bottle holders (provided for in subheading 9506.91.00), the foregoing other than goods described in any other heading of this subchapter	Free	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108444. INDOOR CYCLING MACHINES WITH LCD CON-
2 SOLES AND TWO WATER BOTTLE HOLDERS.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.33.53	Stationary indoor cycling exercise cycles, each with a frame designed to simulate the user's body position and pedaling of an outdoor road bicycle, with visible flywheel, equipped with an adjustable magnetic brake to resist rotation of the flywheel, manual emergency braking mechanism, liquid crystal display console, wireless data exchange capability and two water bottle holders (provided for in subheading 9506.91.00), the foregoing other than goods described in any other heading of this subchapter	Free	No change	No change	On or before 12/31/2023	”.
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5 SEC. 108445. INDOOR CYCLING MACHINES WITH LCD CON-
6 SOLES AND SINGLE WATER BOTTLE HOLDER.

7 Subchapter II of chapter 99 is amended by inserting
8 in numerical sequence the following new heading:

“	9902.33.54	Stationary indoor cycling exercise cycles, each with frame designed to simulate the user's body position and pedaling of an outdoor road bicycle, with visible flywheel, equipped with an adjustable friction pad brake to resist rotation of the flywheel, manual emergency braking mechanism, liquid crystal display console and single water bottle holder (provided for in subheading 9506.91.00), the foregoing other than goods described in any other heading of this subchapter	1.4%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108446. RECUMBENT ELLIPTICAL MACHINES.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.33.55	Recumbent seated fitness equipment, each with pivoting closed-loop handles that perform alternating movements and foot pedals that move in an elliptical motion, driving a resistance assembly in the base, with optional-use stationary foot supports for enhanced upper body workout (provided for in subheading 9506.91.00)	Free	No change	No change	On or before 12/31/2023	”.
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4 **SEC. 108447. FITNESS EQUIPMENT COMBINING THE FUNC-**
 5 **TIONS OF AN ELLIPTICAL AND A STAIR STEP-**
 6 **PER, WEIGHT OVER 90 KGS.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.33.56	Fitness equipment, each with pivoting handles and foot pedals that perform alternating movements combining the motions of a stepper and an elliptical machine, driving simultaneously a radial fan and magnetic brake in the base, equipped with a lever for the manual adjustment of resistance levels, weighing over 90 kgs (provided for in subheading 9506.91.00)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108448. FOLDABLE TREADMILLS WITH TOUCHSCREEN**

2 **CONSOLE GREATER THAN 44.4 CM.**

3 Subchapter II of chapter 99 is amended by inserting
 4 in numerical sequence the following new heading:

“	9902.33.57	Foldable treadmills, each equipped with a button-release locking mechanism required for folding the running deck for storage and releasing the deck from the storage position for use; such treadmills capable of wireless data exchange and each incorporating a touchscreen console having a diagonal display measuring over 44.4 cm (provided for in subheading 9506.91.00)	0.5%	No change	No change	On or before 12/31/2023	”.
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5 **SEC. 108449. INTERACTIVE INDOOR CYCLING EXERCISE CY-**

6 **CLES.**

7 Subchapter II of chapter 99 is amended by inserting
 8 in numerical sequence the following new heading:

“	9902.33.58	Interactive indoor cycling exercise cycles, capable of wireless data exchange, simulating the movement of outdoor cycling, employing dynamic inertia magnetic resistance and an electromotor brake system within an enclosed plastic four-legged base and incorporating curved drop handlebars with electronic gear shifters, dual interactive air fans, tablet mount and a workout session performance display (provided for in subheading 9506.91.00), the foregoing other than goods described in any other heading of this subchapter	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108450. MULTIMODALITY FITNESS EQUIPMENT, WITH**
 2 **INTEGRATED CONTACT GRIP HEART RATE**
 3 **MONITORS.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.33.59	Fitness equipment, each with pivoting handles and foot pedals that perform alternating movements which combine the motions of a stepper and an elliptical machine, driving simultaneously a radial fan and magnetic brake in the base, the foregoing weighing less than 90 kg and equipped with integrated contact grip heart rate monitor (provided for in subheading 9506.91.00)	Free	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 108451. FISHING REELS VALUED NOT OVER \$2.70**
 7 **EACH, PRE-SPOOLED, WITH ROD AND FISH-**
 8 **ING LINE.**

9 Subchapter II of chapter 99 is amended by inserting
 10 in numerical sequence the following new heading:

“	9902.33.60	Fishing rods, each presented with a fishing reel valued not over \$2.70 each, pre-spooled with fishing line, the foregoing put up for retail sale as a complete kit each comprising one rod and one reel (whether or not containing other accessories), with each kit having an aggregate value of no more than \$30 (provided for in subheading 9507.30.20)	5.9%	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 108452. FISHING REELS VALUED NOT OVER \$2.70**
 12 **EACH.**

13 Subchapter II of chapter 99 is amended by inserting
 14 in numerical sequence the following new heading:

“	9902.33.61	Fishing reels valued not over \$2.70 each (provided for in subheading 9507.30.20)	5.7%	No change	No change	On or before 12/31/2023	”.
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1 SEC. 108453. HARD ARTIFICIAL CRANKBAITS.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.33.62	Artificial baits of rigid plastics, each with two or more treble hooks attached and with wire loops at the top or front end for attaching fishing line, such baits shaped to approximate bait fish, whether or not having a plastic lip at the bottom front end, the foregoing put up for retail sale and valued not over \$20 each; such goods excluding baits with a blunt front end and excluding baits with a torpedo shape (provided for in subheading 9507.90.70) ...	3.8%	No change	No change	On or before 12/31/2023	”.
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4 SEC. 108454. COLLAPSIBLE BIG GAME DECOYS.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.33.63	Foldable decoys, each depicting birds or wildlife, constructed from two or more layers of printed textile fabric of polyester supported by a metal spring band system (provided for in subheading 9507.90.80)	0.3%	No change	No change	On or before 12/31/2023	”.
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**7 SEC. 108455. VACUUM STEEL HINGED LID PITCHERS, NOT
8 EXCEEDING 1 LITER.**

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.33.64	Insulated thermal pitchers, each with stainless steel interior and exterior, with hinged stainless steel lid, no separate base and a capacity not exceeding 1 liter (provided for in subheading 9617.00.10) ...	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108456. VACUUM INSULATED DRINKWARE HAVING A**
2 **CAPACITY EXCEEDING 1 LITER BUT NOT EX-**
3 **CEEDING 2 LITERS.**

4 Subchapter II of chapter 99 is amended by inserting
5 in numerical sequence the following new heading:

“	9902.33.65	Stainless steel vacuum insulated drinkware, double-walled, and complete with cases, having a capacity exceeding 1 liter but not exceeding 2 liters (provided for in subheading 9617.00.30) ...	6.1%	No change	No change	On or before 12/31/2023	”.
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6 **SEC. 108457. VACUUM INSULATED DRINKWARE HAVING A**
7 **CAPACITY EXCEEDING 2 LITERS BUT NOT EX-**
8 **CEEDING 4 LITERS.**

9 Subchapter II of chapter 99 is amended by inserting
10 in numerical sequence the following new heading:

“	9902.33.66	Stainless steel vacuum insulated drinkware, double-walled, having a capacity exceeding 2 liters but not exceeding 4 liters, complete with cases (provided for in subheading 9617.00.40)	4.9%	No change	No change	On or before 12/31/2023	”.
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11 **SEC. 108458. VACUUM GLASS LINED STEEL COFFEE SERV-**
12 **ERS OVER 2 LITERS.**

13 Subchapter II of chapter 99 is amended by inserting
14 in numerical sequence the following new heading:

“	9902.33.67	Insulated coffee servers, each with exterior of stainless steel and vacuum liner of glass, with a hinged brew-through lid with push-button dispensing, such servers with seamless design and without separate base; the foregoing with capacity over 2 liters (provided for in subheading 9617.00.40)	Free	No change	No change	On or before 12/31/2023	”.
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1 **SEC. 108459. VACUUM GLASS LINED STEEL COFFEE SERV-**
 2 **ERS OVER 2 LITERS WITH LEVER DIS-**
 3 **PENSING.**

4 Subchapter II of chapter 99 is amended by inserting
 5 in numerical sequence the following new heading:

“	9902.33.68	Insulated vacuum coffee servers, each with exterior layer of stainless steel and liner of glass, with a hinged brew-through lid with lever action dispensing, such servers without separate base; the foregoing with capacity over 2 liters (provided for in subheading 9617.00.40)	Free	No change	No change	On or before 12/31/2023	”.
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6 **Subtitle B—Existing Duty**
 7 **Suspensions and Reductions**

8 **SEC. 108460. EXTENSION OF CERTAIN EXISTING DUTY SUS-**
 9 **PENSIONS AND REDUCTIONS AND OTHER**
 10 **MODIFICATIONS.**

11 (a) **EXTENSIONS.**—Each of the following headings is
 12 amended by striking the date in the effective period col-
 13 umn and inserting “12/31/2023”:

- 14 (1) Heading 9902.01.01 (relating to frozen,
 15 boiled glutinous corn).

- 1 (2) Heading 9902.01.02 (relating to mustard
2 seed oil).
- 3 (3) Heading 9902.01.03 (relating to unsweet-
4 ened cocoa powder).
- 5 (4) Heading 9902.01.09 (relating to
6 pepperoncini preserved in brine).
- 7 (5) Heading 9902.01.11 (relating to dried
8 strawberries).
- 9 (6) Heading 9902.01.18 (relating to
10 isododecane).
- 11 (7) Heading 9902.01.22 (relating to
12 nitrosylsulfuric acid).
- 13 (8) Heading 9902.01.24 (relating to sulfamic
14 acid).
- 15 (9) Heading 9902.01.26 (relating to certain
16 spherical particles of silicon dioxide).
- 17 (10) Heading 9902.01.27 (relating to
18 dioxosilane spherical particles (mean particle size
19 0.007–0.020 mm)).
- 20 (11) Heading 9902.01.29 (relating to certain
21 silicon dioxide spherical particles (mean particle size
22 28–45 micrometers)).
- 23 (12) Heading 9902.01.33 (relating to thionyl
24 chloride).

- 1 (13) Heading 9902.01.36 (relating to hydroxyl-
2 amine free base).
- 3 (14) Heading 9902.01.37 (relating to hydroxyl-
4 amine sulphate).
- 5 (15) Heading 9902.01.40 (relating to tin(IV)
6 oxide).
- 7 (16) Heading 9902.01.41 (relating to ammo-
8 nium bifluoride).
- 9 (17) Heading 9902.01.46 (relating to potas-
10 sium bifluoride).
- 11 (18) Heading 9902.01.52 (relating to cesium
12 chloride).
- 13 (19) Heading 9902.01.53 (relating to cesium
14 iodide).
- 15 (20) Heading 9902.01.54 (relating to sodium
16 sulfides).
- 17 (21) Heading 9902.01.55 (relating to sodium
18 thiosulfate).
- 19 (22) Heading 9902.01.57 (relating to sodium
20 hypophosphite).
- 21 (23) Heading 9902.01.58 (relating to
22 monopotassium phosphate).
- 23 (24) Heading 9902.01.59 (relating to ammo-
24 nium polyphosphate).

1 (25) Heading 9902.01.63 (relating to sodium
2 ferrocyanide).

3 (26) Heading 9902.01.68 (relating to sodium
4 thiocyanate).

5 (27) Heading 9902.01.69 (relating to silver so-
6 dium zirconium hydrogenphosphate).

7 (28) Heading 9902.01.75 (relating to yttrium
8 oxide).

9 (29) Heading 9902.01.76 (relating to ytterbium
10 trifluoride powder).

11 (30) Heading 9902.01.77 (relating to titanium
12 hydride).

13 (31) Heading 9902.01.79 (relating to lithium
14 aluminum hydride).

15 (32) Heading 9902.01.81 (relating to n-butyl
16 chloride).

17 (33) Heading 9902.01.82 (relating to 1,6-
18 dichlorohexane).

19 (34) Heading 9902.01.83 (relating to allyl bro-
20 mide).

21 (35) Heading 9902.01.84 (relating to DCP).

22 (36) Heading 9902.01.86 (relating to o-
23 dichlorobenzene).

24 (37) Heading 9902.01.89 (relating to 1,2,4-
25 trichlorobenzene).

1 (38) Heading 9902.01.91 (relating to o-
2 chlorobenzyl chloride (oCBC)).

3 (39) Heading 9902.01.92 (relating to
4 dichlorotoluene).

5 (40) Heading 9902.01.93 (relating to 2-chloro-
6 6-fluorobenzylchloride).

7 (41) Heading 9902.01.98 (relating to lithium p-
8 styrenesulfonate).

9 (42) Heading 9902.01.99 (relating to monomer
10 used in water treatment).

11 (43) Heading 9902.02.01 (relating to para tol-
12 uene sulfonic acid).

13 (44) Heading 9902.02.03 (relating to
14 methanesulfonyl chloride).

15 (45) Heading 9902.02.04 (relating to 4-chloro-
16 3,5-dinitrobenzotrifluoride).

17 (46) Heading 9902.02.05 (relating to 2-methyl-
18 5-nitrobenzenesulfonic acid).

19 (47) Heading 9902.02.06 (relating to triflic
20 acid).

21 (48) Heading 9902.02.07 (relating to triflic an-
22 hydride).

23 (49) Heading 9902.02.08 (relating to potas-
24 sium perfluoroethyl cyclohexanesulphonate).

1 (50) Heading 9902.02.09 (relating to 2-octanol
2 solvent).

3 (51) Heading 9902.02.11 (relating to sodium
4 methylate powder).

5 (52) Heading 9902.02.12 (relating to magne-
6 sium tert-butoxide).

7 (53) Heading 9902.02.13 (relating to propargyl
8 alcohol).

9 (54) Heading 9902.02.15 (relating to 1,2-
10 pentanediol).

11 (55) Heading 9902.02.16 (relating to 2,5-
12 dimethylhexane-2,5-diol).

13 (56) Heading 9902.02.19 (relating to α -naph-
14 thol).

15 (57) Heading 9902.02.21 (relating to 2-
16 phenylphenol).

17 (58) Heading 9902.02.22 (relating to Preventol
18 ON extra preservative).

19 (59) Heading 9902.02.26 (relating to 2,2'-
20 methylene-bis-(4-methyl-6-tert-butylphenol)).

21 (60) Heading 9902.02.27 (relating to 2,2'-(2-
22 methylpropylidene)bis[4,6-dimethyl-phenol]).

23 (61) Heading 9902.02.28 (relating to 4,4'-
24 butylidenebis(3-methyl-6-tert-butylphenol)).

1 (62) Heading 9902.02.29 (relating to 2,5-
2 bis(1,1-dimethylpropyl)-1,4-benzenediol).

3 (63) Heading 9902.02.30 (relating to tris(2'-
4 methyl-4'-hydroxy-5'-t- butylphenyl)butane).

5 (64) Heading 9902.02.32 (relating to ortho
6 nitro phenol).

7 (65) Heading 9902.02.33 (relating to 3-
8 trifluoromethyl-4-nitrophenol).

9 (66) Heading 9902.02.37 (relating to allyl pen-
10 taerythritol).

11 (67) Heading 9902.02.38 (relating to t-butyl
12 cumyl peroxide).

13 (68) Heading 9902.02.39 (relating to dicumyl
14 peroxide).

15 (69) Heading 9902.02.40 (relating to cumene
16 hydroperoxide).

17 (70) Heading 9902.02.44 (relating to 3,7-
18 dimethylocta-2,6-dienal).

19 (71) Heading 9902.02.47 (relating to
20 cyclobutanecarboxaldehyde).

21 (72) Heading 9902.02.50 (relating to TBMB).

22 (73) Heading 9902.02.51 (relating to 7-
23 hydroxycitronellal).

24 (74) Heading 9902.02.52 (relating to 2,4-
25 disulfobenzaldehyde).

1 (75) Heading 9902.02.53 (relating to p-
2 (trifluoromethyl)benzaldehyde).

3 (76) Heading 9902.02.55 (relating to (E)-4-
4 (2,6,6-trimethyl-1-cyclohexen-1-yl)-3-bute).

5 (77) Heading 9902.02.57 (relating to 1,3-
6 cyclohexanedione).

7 (78) Heading 9902.02.61 (relating to 5-chloro-
8 1-indanone).

9 (79) Heading 9902.02.64 (relating to 2,4-
10 dihydroxybenzophenone).

11 (80) Heading 9902.02.67 (relating to
12 amalanthraquine (AAQ)).

13 (81) Heading 9902.02.68 (relating to
14 nitroanthraquinone).

15 (82) Heading 9902.02.74 (relating to
16 dichloroacetyl chloride).

17 (83) Heading 9902.02.79 (relating to dilauroyl
18 peroxide).

19 (84) Heading 9902.02.84 (relating to crotonic
20 acid).

21 (85) Heading 9902.02.88 (relating to 4-
22 nitrobenzoyl chloride).

23 (86) Heading 9902.02.89 (relating to methyl
24 cinnamate).

1 (87) Heading 9902.02.90 (relating to peroxide
2 used in silicone rubber).

3 (88) Heading 9902.02.91 (relating to oxalic
4 acid).

5 (89) Heading 9902.02.96 (relating to himic an-
6 hydride).

7 (90) Heading 9902.02.99 (relating to BPDA-
8 U).

9 (91) Heading 9902.03.06 (relating to
10 hydroxypivalic acid neopentyl glycol ester).

11 (92) Heading 9902.03.10 (relating to gallic
12 acid).

13 (93) Heading 9902.03.19 (relating to
14 prohexadione calcium).

15 (94) Heading 9902.03.21 (relating to
16 Dichlorprop-p).

17 (95) Heading 9902.03.22 (relating to 2,4-DB).

18 (96) Heading 9902.03.29 (relating to DEDC).

19 (97) Heading 9902.03.30 (relating to input for
20 high performance films).

21 (98) Heading 9902.03.33 (relating to (+)-
22 abscisic acid).

23 (99) Heading 9902.03.38 (relating to tolclofos
24 methyl).

1 (100) Heading 9902.03.40 (relating to
2 DMHP).

3 (101) Heading 9902.03.42 (relating to anti-
4 oxidant/stabilizer).

5 (102) Heading 9902.03.43 (relating to Fosetyl-
6 Al).

7 (103) Heading 9902.03.44 (relating to
8 Perkadox 16).

9 (104) Heading 9902.03.48 (relating to 2-
10 ethylhexylamine).

11 (105) Heading 9902.03.51 (relating to N,N'-
12 bis(3-aminopropyl)ethylenediamine).

13 (106) Heading 9902.03.53 (relating to N,N-
14 diethyl-1,3-propanediamine).

15 (107) Heading 9902.03.54 (relating to 2,4-
16 dichloroaniline).

17 (108) Heading 9902.03.55 (relating to 4-
18 chloro-2-nitroaniline).

19 (109) Heading 9902.03.59 (relating to 2,6-
20 dichloroaniline).

21 (110) Heading 9902.03.60 (relating to N-ethyl-
22 N-benzyl aniline).

23 (111) Heading 9902.03.62 (relating to p-
24 chloroaniline).

- 1 (112) Heading 9902.03.64 (relating to ethyl
2 benzyl aniline sulfonic acid).
- 3 (113) Heading 9902.03.67 (relating to p-tolu-
4 idine).
- 5 (114) Heading 9902.03.68 (relating to
6 Benfluralin).
- 7 (115) Heading 9902.03.72 (relating to
8 Butralin).
- 9 (116) Heading 9902.03.73 (relating to 4-
10 amino-3-methylbenzenesulfonic acid).
- 11 (117) Heading 9902.03.74 (relating to 2,4-xyli-
12 dine).
- 13 (118) Heading 9902.03.75 (relating to mixed
14 xylidines).
- 15 (119) Heading 9902.03.76 (relating to dodecyl
16 aniline mixed isomers).
- 17 (120) Heading 9902.03.78 (relating to amino
18 methyl benzene).
- 19 (121) Heading 9902.03.79 (relating to 2-ethyl-
20 6-methylaniline).
- 21 (122) Heading 9902.03.90 (relating to
22 dipropoxy-p-toluidine).
- 23 (123) Heading 9902.03.95 (relating to RODA).
- 24 (124) Heading 9902.03.96 (relating to 4-
25 methoxy-2-methyldiphenylamine).

1 (125) Heading 9902.04.04 (relating to 4-
2 chlorophenylglycine).

3 (126) Heading 9902.04.05 (relating to 2-
4 amino-5-sulfobenzoic acid).

5 (127) Heading 9902.04.09 (relating to inter-
6 mediate used in herbicides).

7 (128) Heading 9902.04.10 (relating to man-
8 ganese disodium EDTA).

9 (129) Heading 9902.04.11 (relating to sar-
10 cosine, sodium salt).

11 (130) Heading 9902.04.12 (relating to copper
12 disodium EDTA).

13 (131) Heading 9902.04.13 (relating to sodium
14 lauriminodipropionate).

15 (132) Heading 9902.04.18 (relating to lecithin
16 derived from sunflower).

17 (133) Heading 9902.04.19 (relating to lecithin
18 derived from soybeans).

19 (134) Heading 9902.04.24 (relating to tetra-n-
20 butylurea).

21 (135) Heading 9902.04.26 (relating to certain
22 crosslinking agent for powder coatings).

23 (136) Heading 9902.04.31 (relating to
24 Linuron).

- 1 (137) Heading 9902.04.32 (relating to
2 carboxamide function compounds).
- 3 (138) Heading 9902.04.33 (relating to
4 Chlorpropham).
- 5 (139) Heading 9902.04.37 (relating to
6 Zoxamide).
- 7 (140) Heading 9902.04.41 (relating to
8 Cyclanilide).
- 9 (141) Heading 9902.04.44 (relating to
10 Napropamide).
- 11 (142) Holding 9902.04.47 (relating to
12 Mandestrobin technical).
- 13 (143) Heading 9902.04.50 (relating to
14 MMTDCA).
- 15 (144) Heading 9902.04.53 (relating to 2-
16 chloroacetoacetanilide (AAOCA)).
- 17 (145) Heading 9902.04.54 (relating to
18 acetoacetyl-2,5-dimethoxy-4-chloroanilide).
- 19 (146) Heading 9902.04.72 (relating to
20 Cyfluthrin (excluding β -Cyfluthrin)).
- 21 (147) Heading 9902.04.73 (relating to
22 Cypermethrin).
- 23 (148) Heading 9902.04.75 (relating to Alpha-
24 Cypermethrin technical).

- 1 (149) Heading 9902.04.83 (relating to
2 aminoazobenzene-p-sulfonic acid).
- 3 (150) Heading 9902.04.91 (relating to
4 Daminozide).
- 5 (151) Heading 9902.04.92 (relating to
6 aminoguanidine bicarbonate).
- 7 (152) Heading 9902.04.95 (relating to p-
8 chlorophenylisocyanate).
- 9 (153) Heading 9902.04.96 (relating to
10 phenylisocyanate).
- 11 (154) Heading 9902.04.99 (relating to
12 Thiobencarb).
- 13 (155) Heading 9902.05.01 (relating to EPTC).
- 14 (156) Heading 9902.05.02 (relating to
15 Phosmet).
- 16 (157) Heading 9902.05.06 (relating to active
17 ingredient for fungicide).
- 18 (158) Heading 9902.05.10 (relating to 4,6-
19 bis(octylthiomethyl)-o-cresol).
- 20 (159) Heading 9902.05.11 (relating to 4,4'-
21 thiobis 2-1,1-dimethylethyl-5-methyl-phenol).
- 22 (160) Heading 9902.05.13 (relating to
23 thiobis(6-tert-butyl-4-methylphenol)).
- 24 (161) Heading 9902.05.21 (relating to
25 thioglycolic acid).

1 (162) Heading 9902.05.22 (relating to 2-
2 mercaptoethanol).

3 (163) Heading 9902.05.30 (relating to
4 triphenylphosphine).

5 (164) Heading 9902.05.31 (relating to
6 Fenbutatin oxide).

7 (165) Heading 9902.05.33 (relating to ultra-
8 violet dye).

9 (166) Heading 9902.05.38 (relating to MSMA).

10 (167) Heading 9902.05.55 (relating to
11 Ethofumesate).

12 (168) Heading 9902.05.56 (relating to
13 Carbosulfan Technical).

14 (169) Heading 9902.05.57 (relating to
15 Helional).

16 (170) Heading 9902.05.58 (relating to reaction
17 mixture of (rel-2R,4R)-tetrahydro (pyranol)).

18 (171) Heading 9902.05.61 (relating to
19 Fenpyroximate).

20 (172) Heading 9902.05.64 (relating to
21 Tolfenpyrad).

22 (173) Heading 9902.05.65 (relating to
23 Penflufen).

24 (174) Heading 9902.05.75 (relating to
25 Fenamidone).

- 1 (175) Heading 9902.05.81 (relating to
2 Boscalid).
- 3 (176) Heading 9902.05.93 (relating to
4 Triclopyr).
- 5 (177) Heading 9902.05.96 (relating to
6 Mepiquat chloride).
- 7 (178) Heading 9902.05.98 (relating to
8 Saltidin).
- 9 (179) Heading 9902.06.03 (relating to
10 Pyridalyl).
- 11 (180) Heading 9902.06.08 (relating to 2-
12 acetylnicotinic acid).
- 13 (181) Heading 9902.06.09 (relating to light
14 stabilizer).
- 15 (182) Heading 9902.06.12 (relating to 5-
16 methylpyridine-2,3-dicarboxylic acid (5-MPDC)).
- 17 (183) Heading 9902.06.26 (relating to
18 Quinaldine).
- 19 (184) Heading 9902.06.28 (relating to
20 Terbacil).
- 21 (185) Heading 9902.06.29 (relating to
22 Bispyribac sodium).
- 23 (186) Heading 9902.06.36 (relating to
24 Pirimiphos-methyl).

- 1 (187) Heading 9902.06.42 (relating to
2 phenyl(4,6-dimethoxy-pyrimidin-2-yl)carbamate).
- 3 (188) Heading 9902.06.43 (relating to
4 Methyliodouracil).
- 5 (189) Heading 9902.06.48 (relating to 2-
6 amino-4,6-dimethylpyrimidine).
- 7 (190) Heading 9902.06.50 (relating to cyanuric
8 chloride).
- 9 (191) Heading 9902.06.55 (relating to
10 Simazine).
- 11 (192) Heading 9902.06.62 (relating to tris (2-
12 hydroxyethyl) isocyanurate (THEIC)).
- 13 (193) Heading 9902.06.63 (relating to 2-
14 amino-4-methoxy-6-methyl-1,3,5-triazine).
- 15 (194) Heading 9902.06.64 (relating to 4-
16 methoxy-N,6-dimethyl-1,3,5-triazin-2-amine).
- 17 (195) Heading 9902.06.65 (relating to triallyl
18 cyanurate).
- 19 (196) Heading 9902.06.71 (relating to
20 Fenbuconazole fungicide).
- 21 (197) Heading 9902.06.72 (relating to
22 Fenazaquin).
- 23 (198) Heading 9902.06.74 (relating to
24 Pyridaben).

- 1 (199) Heading 9902.06.79 (relating to
2 Triticonazole).
- 3 (200) Heading 9902.06.83 (relating to
4 Carbendazim).
- 5 (201) Heading 9902.06.86 (relating to
6 Tetraconazole).
- 7 (202) Heading 9902.06.92 (relating to 2-[3-
8 (2H-benzotriazol-2-yl)-4-hydroxyphenyl]ethyl meth-
9 acrylate).
- 10 (203) Heading 9902.06.96 (relating to
11 PolyAziridine PZ-33).
- 12 (204) Heading 9902.06.98 (relating to 5-
13 amino-1,2-dihydro-3H-1,2,4-triazole-3-thione).
- 14 (205) Heading 9902.07.09 (relating to 2-
15 mercaptobenzothiazole).
- 16 (206) Heading 9902.07.10 (relating to corro-
17 sion inhibitor).
- 18 (207) Heading 9902.07.11 (relating to 2-amino
19 4-methyl benzothiazole).
- 20 (208) Heading 9902.07.12 (relating to accel-
21 erator for rubber production).
- 22 (209) Heading 9902.07.17 (relating to
23 Carboxin).
- 24 (210) Heading 9902.07.18 (relating to 1,2-
25 benzisothiazolin-3(2H)-one,2-butyl).

- 1 (211) Heading 9902.07.19 (relating to 4-[3-(4-
2 chlorophenyl)-3-(3,4-dimethoxyph)).
- 3 (212) Heading 9902.07.23 (relating to
4 Bentazon).
- 5 (213) Heading 9902.07.25 (relating to
6 Topramezone).
- 7 (214) Heading 9902.07.34 (relating to OBPA).
- 8 (215) Heading 9902.07.48 (relating to 2-
9 amino-3-cyanothiophene).
- 10 (216) Heading 9902.07.49 (relating to
11 Tebuthiuron technical).
- 12 (217) Heading 9902.07.51 (relating to perform-
13 ance fluid).
- 14 (218) Heading 9902.07.52 (relating to
15 Etridiazole).
- 16 (219) Heading 9902.07.59 (relating to para-tol-
17 uene sulphonyl hydrazide).
- 18 (220) Heading 9902.07.61 (relating to
19 Sulfometuron-methyl).
- 20 (221) Heading 9902.07.63 (relating to Tosyl-4-
21 CPP).
- 22 (222) Heading 9902.07.64 (relating to
23 Asulam).
- 24 (223) Heading 9902.07.67 (relating to methyl
25 2-(aminosulfonyl) benzoate).

1 (224) Heading 9902.07.68 (relating to methyl
2 3-sulfamoylthiophene-2-carboxylate).

3 (225) Heading 9902.07.69 (relating to 3-
4 (ethylsulfonyl)-2-pyridinesulfonamide).

5 (226) Heading 9902.07.70 (relating to car-
6 bamic acid, N-[[3-[(dimethyl...)-, phenyl ester).

7 (227) Heading 9902.07.81 (relating to black
8 carrot color concentrate).

9 (228) Heading 9902.07.82 (relating to purple
10 sweet potato color concentrate).

11 (229) Heading 9902.07.83 (relating to red cab-
12 bage color concentrate).

13 (230) Heading 9902.07.84 (relating to red rad-
14 ish color concentrate).

15 (231) Heading 9902.08.09 (relating to Disperse
16 Blue 77).

17 (232) Heading 9902.08.11 (relating to Disperse
18 Red 60).

19 (233) Heading 9902.08.16 (relating to Acid
20 Black 194).

21 (234) Heading 9902.08.18 (relating to acid dye
22 for Pigment Red 144).

23 (235) Heading 9902.08.39 (relating to indigo,
24 Vat Blue 1).

1 (236) Heading 9902.08.40 (relating to Pigment
2 Orange 43/Vat Orange 7).

3 (237) Heading 9902.08.43 (relating to Vat
4 Blue 19).

5 (238) Heading 9902.08.45 (relating to Vat
6 Blue 1, reduced).

7 (239) Heading 9902.08.46 (relating to
8 isoviolanthrone-Vat Violet 10).

9 (240) Heading 9902.08.47 (relating to Vat
10 Blue 4).

11 (241) Heading 9902.08.57 (relating to Reactive
12 Red 180).

13 (242) Heading 9902.08.61 (relating to G500
14 blue crude).

15 (243) Heading 9902.08.65 (relating to Solvent
16 Orange 63).

17 (244) Heading 9902.08.69 (relating to Solvent
18 Red 179).

19 (245) Heading 9902.08.71 (relating to Solvent
20 Violet 13 (CI 60725)).

21 (246) Heading 9902.08.72 (relating to Solvent
22 Yellow 195).

23 (247) Heading 9902.08.73 (relating to Solvent
24 Yellow 163).

- 1 (248) Heading 9902.08.74 (relating to Solvent
2 Red 227).
- 3 (249) Heading 9902.08.75 (relating to Solvent
4 Red 169).
- 5 (250) Heading 9902.08.76 (relating to Solvent
6 Yellow 114).
- 7 (251) Heading 9902.08.77 (relating to Solvent
8 Orange 60).
- 9 (252) Heading 9902.08.78 (relating to Solvent
10 Red 135).
- 11 (253) Heading 9902.08.79 (relating to Solvent
12 Blue 35).
- 13 (254) Heading 9902.08.81 (relating to 2,4-
14 dinitrophenol).
- 15 (255) Heading 9902.08.84 (relating to optical
16 brightener).
- 17 (256) Heading 9902.08.85 (relating to whit-
18 ening agent).
- 19 (257) Heading 9902.08.87 (relating to organic
20 luminescent pigments and dyes).
- 21 (258) Heading 9902.08.88 (relating to phos-
22 phorescent pigments zinc sulfide, copper doped).
- 23 (259) Heading 9902.09.01 (relating to cold
24 pressed grapefruit oil).

1 (260) Heading 9902.09.02 (relating to oil of
2 lemon eucalyptus (OLE)).

3 (261) Heading 9902.09.03 (relating to ADV
4 7800 S-ME).

5 (262) Heading 9902.09.04 (relating to surfac-
6 tant).

7 (263) Heading 9902.09.05 (relating to ADV
8 7850 A-ME).

9 (264) Heading 9902.09.06 (relating to ADV
10 7800 S-W).

11 (265) Heading 9902.09.09 (relating to certain
12 esters).

13 (266) Heading 9902.09.12 (relating to surfac-
14 tant used in pesticides).

15 (267) Heading 9902.09.14 (relating to spar-
16 klers).

17 (268) Heading 9902.09.17 (relating to poly
18 pale ester 10).

19 (269) Heading 9902.09.18 (relating to
20 Dymerex).

21 (270) Heading 9902.09.26 (relating to
22 Tetrachlorvinfos formulations).

23 (271) Heading 9902.09.27 (relating to mixtures
24 of Clofentezine).

1 (272) Heading 9902.09.32 (relating to zinc
2 phosphate formulations).

3 (273) Heading 9902.09.39 (relating to formu-
4 lated Methomyl).

5 (274) Heading 9902.09.47 (relating to mixtures
6 of Oxathiapiprolin).

7 (275) Heading 9902.09.65 (relating to product
8 for post-harvest fruit treatment).

9 (276) Heading 9902.09.67 (relating to mixtures
10 of Famoxadone, Cymoxanil, and application adju-
11 vants).

12 (277) Heading 9902.09.73 (relating to Ziram).

13 (278) Heading 9902.09.74 (relating to
14 Thiram).

15 (279) Heading 9902.09.82 (relating to Dodine
16 mixtures.)

17 (280) Heading 9902.09.83 (relating to packs
18 used in fruit treatment).

19 (281) Heading 9902.09.91 (relating to
20 Pyraflufen ethyl 40 percent (ET MB 40)).

21 (282) Heading 9902.09.97 (relating to
22 Napropamide formulations).

23 (283) Heading 9902.09.98 (relating to
24 Sulfometuron-methyl formulations).

1 (284) Heading 9902.10.16 (relating to granular
2 herbicide).

3 (285) Heading 9902.10.18 (relating to
4 Fosamine).

5 (286) Heading 9902.10.20 (relating to 5-
6 amino-1,3-dihydro-2H-benzimidazol-2-one).

7 (287) Heading 9902.10.26 (relating to mixture
8 used in vulcanization).

9 (288) Heading 9902.10.34 (relating to reaction
10 products of phosphorus trichloride).

11 (289) Heading 9902.10.38 (relating to potas-
12 sium methylate solution).

13 (290) Heading 9902.10.39 (relating to additive
14 for use in dish cleaning formulations).

15 (291) Heading 9902.10.43 (relating to glycol
16 ester).

17 (292) Heading 9902.10.46 (relating to lauryl-
18 cetyl alcohol).

19 (293) Heading 9902.10.52 (relating to poly-
20 meric ester blend).

21 (294) Heading 9902.10.53 (relating to CE-
22 1618BL methyl palmitate/oleate).

23 (295) Heading 9902.10.58 (relating to spe-
24 ciality monomers).

- 1 (296) Heading 9902.10.60 (relating to sodium
2 ethylate).
- 3 (297) Heading 9902.10.63 (relating to syn-
4 thetic acid washed beta zeolite powder).
- 5 (298) Heading 9902.10.70 (relating to amor-
6 phous alpha olefin with high softening point).
- 7 (299) Heading 9902.10.71 (relating to
8 polymethylpentene (PMP) polyolefin copolymer).
- 9 (300) Heading 9902.10.72 (relating to light
10 stabilizer).
- 11 (301) Heading 9902.10.73 (relating to non-
12 functionalized polybutadiene).
- 13 (302) Heading 9902.10.78 (relating to vinyl
14 chloride-hydroxypropyl acrylate copolymer).
- 15 (303) Heading 9902.10.80 (relating to S02F
16 melt processable resin).
- 17 (304) Heading 9902.10.85 (relating to material
18 used in paper coatings).
- 19 (305) Heading 9902.10.89 (relating to esters
20 for use in coatings).
- 21 (306) Heading 9902.10.92 (relating to lubri-
22 cant for use in media).
- 23 (307) Heading 9902.10.94 (relating to ingre-
24 dient used in transdermal patches).

1 (308) Heading 9902.10.99 (relating to vinyl ac-
2 etate-alkeneoic acid copolymer).

3 (309) Heading 9902.11.03 (relating to product
4 used in coatings and adhesives).

5 (310) Heading 9902.11.05 (relating to poly-
6 meric sulfonic acid).

7 (311) Heading 9902.11.06 (relating to 2-prope-
8 noic acid, sodium salt).

9 (312) Heading 9902.11.07 (relating to
10 poly(butyl methacrylate)).

11 (313) Heading 9902.11.08 (relating to
12 poly(ethyl acrylate-co-methyl methacrylate)).

13 (314) Heading 9902.11.09 (relating to
14 poly(methacrylic acid-co-methyl methacrylate) 1:1).

15 (315) Heading 9902.11.10 (relating to
16 poly(methyl acrylate-co-methyl methacrylate)).

17 (316) Heading 9902.11.17 (relating to sorbitol
18 diglycidyl ether epoxide resin).

19 (317) Heading 9902.11.20 (relating to linear
20 aliphatic polycarbonate polyester).

21 (318) Heading 9902.11.30 (relating to products
22 for enhancing optical transparency).

23 (319) Heading 9902.11.31 (relating to poly-
24 amide powders).

1 (320) Heading 9902.11.32 (relating to formula-
2 tion for use in thermoplastic injection molding).

3 (321) Heading 9902.11.33 (relating to formula-
4 tion for use in plastics applications).

5 (322) Heading 9902.11.35 (relating to Phenol,
6 4-(1,1-dimethylethyl)-,polymer with formaldehyde).

7 (323) Heading 9902.11.38 (relating to poly-
8 urethane hardener).

9 (324) Heading 9902.11.39 (relating to
10 H12MDI based aliphatic polyisocyanate).

11 (325) Heading 9902.11.40 (relating to TDI
12 based blocked aromatic polyisocyanate).

13 (326) Heading 9902.11.41 (relating to self-
14 cross linking, stoving polyurethane resin).

15 (327) Heading 9902.11.46 (relating to ali-
16 phatic/aromatic polyisocyanate copolymer).

17 (328) Heading 9902.11.47 (relating to TDI
18 based aromatic polyisocyanate).

19 (329) Heading 9902.11.48 (relating to water-
20 dispersible HDI based polyisocyanate).

21 (330) Heading 9902.11.58 (relating to indus-
22 trial nitrocellulose (damped alcohol content of 33-
23 37%)).

24 (331) Heading 9902.11.60 (relating to pro-
25 pylene glycol alginate (PGA)).

1 (332) Heading 9902.11.61 (relating to alginic
2 acid and other alginates).

3 (333) Heading 9902.11.63 (relating to sodium
4 hyaluronate).

5 (334) Heading 9902.11.64 (relating to weak
6 acid cation ion-exchange resin).

7 (335) Heading 9902.11.65 (relating to weak
8 acid macroporous cation ion-exchange resins).

9 (336) Heading 9902.11.87 (relating to regen-
10 erated cellulose sheets for industrial sponges).

11 (337) Heading 9902.11.95 (relating to single
12 wrapped cutlery joined by a skewer).

13 (338) Heading 9902.11.98 (relating to plastic
14 pet crate pan).

15 (339) Heading 9902.12.01 (relating to boxing
16 and mixed martial arts gloves of plastic).

17 (340) Heading 9902.12.06 (relating to plastic
18 non-skid base rings for toilet brush caddies).

19 (341) Heading 9902.12.12 (relating to head
20 straps and quickclips for cameras).

21 (342) Heading 9902.12.16 (relating to frame
22 mounts for cameras).

23 (343) Heading 9902.12.17 (relating to large
24 tube mounts for cameras).

1 (344) Heading 9902.12.21 (relating to replace-
2 ment camera doors).

3 (345) Heading 9902.12.22 (relating to seatpost
4 camera mounts).

5 (346) Heading 9902.12.23 (relating to adhesive
6 camera mounts).

7 (347) Heading 9902.12.27 (relating to sets of
8 assorted plastic camera mounts).

9 (348) Heading 9902.12.35 (relating to life jack-
10 ets for pets).

11 (349) Heading 9902.12.53 (relating to plastic
12 cases for electronic games or accessories).

13 (350) Heading 9902.12.60 (relating to boxing
14 and mixed martial arts gloves of leather).

15 (351) Heading 9902.12.64 (relating to women's
16 leather belts valued at \$7 or more).

17 (352) Heading 9902.12.66 (relating to woven
18 bamboo products).

19 (353) Heading 9902.12.67 (relating to woven
20 wood products).

21 (354) Heading 9902.12.69 (relating to cash-
22 mere, not carded or combed).

23 (355) Heading 9902.12.70 (relating to camel
24 hair, not carded or combed).

1 (356) Heading 9902.12.71 (relating to camel
2 hair).

3 (357) Heading 9902.12.72 (relating to noils of
4 camel hair).

5 (358) Heading 9902.12.73 (relating to cash-
6 mere, carded or combed).

7 (359) Heading 9902.12.74 (relating to camel
8 hair, carded or combed).

9 (360) Heading 9902.12.75 (relating to yarn of
10 carded cashmere, with a yarn count of 19.35 metric
11 or higher).

12 (361) Heading 9902.12.76 (relating to yarn of
13 carded cashmere, with a yarn count of less than
14 19.35 metric).

15 (362) Heading 9902.12.77 (relating to yarn of
16 carded camel hair).

17 (363) Heading 9902.12.78 (relating to yarn of
18 combed cashmere or yarn of camel hair).

19 (364) Heading 9902.12.79 (relating to woven
20 fabric of carded vicuna hair of a weight not exceed-
21 ing 300 g/m²).

22 (365) Heading 9902.12.83 (relating to produc-
23 tion roll bleached woven cotton gauze).

24 (366) Heading 9902.12.84 (relating to bleached
25 pique fabric).

1 (367) Heading 9902.12.85 (relating to dyed
2 pique fabric).

3 (368) Heading 9902.12.89 (relating to high te-
4 nacity single rayon yarn with a decitex equal to or
5 greater than 1,000).

6 (369) Heading 9902.12.90 (relating to high te-
7 nacity single rayon yarn with a decitex less than
8 1,000).

9 (370) Heading 9902.12.91 (relating to high te-
10 nacity multiple or cabled rayon yarn).

11 (371) Heading 9902.12.92 (relating to single
12 yarn of viscose rayon).

13 (372) Heading 9902.12.93 (relating to twisted
14 yarn of viscose rayon).

15 (373) Heading 9902.12.97 (relating to elastic,
16 water-repellent woven polyester fabric).

17 (374) Heading 9902.12.98 (relating to acrylic
18 fiber tow with an average decitex of between 2 and
19 5).

20 (375) Heading 9902.12.99 (relating to acrylic
21 filament tow with an average decitex of 2.2).

22 (376) Heading 9902.13.01 (relating to acrylic
23 fiber tow with an average decitex of 3.3).

24 (377) Heading 9902.13.05 (relating to acrylic
25 filament tow with a decitex of 3.3).

1 (378) Heading 9902.13.06 (relating to acrylic
2 or modacrylic staple fibers, not processed).

3 (379) Heading 9902.13.07 (relating to
4 modacrylic staple fibers with an average decitex of
5 2.2 and a fiber length of 38 mm).

6 (380) Heading 9902.13.08 (relating to
7 modacrylic staple fibers with an average decitex of
8 2.2 and a fiber length of 51 mm).

9 (381) Heading 9902.13.09 (relating to
10 modacrylic staple fibers with an average decitex of
11 1.7 and a fiber length of 51 mm).

12 (382) Heading 9902.13.10 (relating to acrylic
13 staple fibers with an average decitex of 1.3 and a
14 fiber length of 38 mm).

15 (383) Heading 9902.13.11 (relating to acrylic
16 staple fibers with an average decitex of 1.3 and a
17 fiber length of 40 mm).

18 (384) Heading 9902.13.12 (relating to syn-
19 thetic staple fibers not processed for spinning).

20 (385) Heading 9902.13.13 (relating to acrylic
21 staple fibers with a fiber length between 40 and 47.5
22 mm and a solar reflectance index less than 10).

23 (386) Heading 9902.13.14 (relating to acrylic
24 staple fibers with a fiber length between 40 and 47.5

1 mm and a solar reflectance index between 10 and
2 30).

3 (387) Heading 9902.13.16 (relating to acrylic
4 staple fibers with a fiber length between 48 and 60
5 mm and a solar reflectance index less than 10).

6 (388) Heading 9902.13.17 (relating to acrylic
7 staple fibers with a fiber length between 48 and 60
8 mm and a solar reflectance index between 10 and
9 30).

10 (389) Heading 9902.13.18 (relating to acrylic
11 staple fibers with a fiber length between 48 and 60
12 mm and a solar reflectance index greater than 30).

13 (390) Heading 9902.13.22 (relating to modified
14 acrylic flame retardant staple fiber with a decitex of
15 3.9).

16 (391) Heading 9902.13.25 (relating to cellu-
17 losic man-made viscose rayon staple fiber).

18 (392) Heading 9902.13.27 (relating to certain
19 staple fibers of viscose rayon).

20 (393) Heading 9902.13.30 (relating to flame
21 retardant viscose rayon staple fibers, with decitex of
22 3.3 and length of 60 mm).

23 (394) Heading 9902.13.32 (relating to flame
24 retardant viscose rayon staple fibers, with a decitex
25 of 2.2 and length of 38 mm).

1 (395) Heading 9902.13.37 (relating to acrylic
2 or modacrylic staple fibers, processed and with a
3 decitex of 11.0).

4 (396) Heading 9902.13.39 (relating to rayon
5 top).

6 (397) Heading 9902.13.40 (relating to woven
7 fabrics of certain synthetic fibers).

8 (398) Heading 9902.13.43 (relating to heat ex-
9 change capillary material).

10 (399) Heading 9902.13.48 (relating to men's or
11 boys' silk knit pullovers and cardigans).

12 (400) Heading 9902.13.52 (relating to neo-
13 prene guard socks).

14 (401) Heading 9902.13.70 (relating to batting
15 gloves of manmade fibers).

16 (402) Heading 9902.13.72 (relating to fishing
17 wader pocket pouches).

18 (403) Heading 9902.13.73 (relating to nylon
19 wool packs).

20 (404) Heading 9902.13.86 (relating to bee
21 nets).

22 (405) Heading 9902.13.87 (relating to camera
23 chest harnesses).

24 (406) Heading 9902.13.90 (relating to camera
25 wrist strap mounts).

1 (407) Heading 9902.13.95 (relating to men's
2 protective active footwear with outer soles and up-
3 pers of rubber or plastic).

4 (408) Heading 9902.13.96 (relating to women's
5 protective active shoes, covering the ankle).

6 (409) Heading 9902.13.97 (relating to women's
7 protective active footwear, valued over \$26 per pair,
8 covering the ankle).

9 (410) Heading 9902.14.05 (relating to footwear
10 made on a base or platform of wood).

11 (411) Heading 9902.14.19 (relating to men's &
12 boys' golf shoes with waterproof soles).

13 (412) Heading 9902.14.23 (relating to men's
14 waterproof leather footwear, valued at \$29 per pair
15 or higher).

16 (413) Heading 9902.14.34 (relating to ski
17 boots and snowboard boots).

18 (414) Heading 9902.14.37 (relating to men's
19 boots for fishing waders).

20 (415) Heading 9902.14.48 (relating to house
21 slippers with textile uppers).

22 (416) Heading 9902.14.56 (relating to remov-
23 able footwear neoprene cuffs).

24 (417) Heading 9902.14.63 (relating to hats
25 containing less than 23 percent or more of wool).

1 (418) Heading 9902.14.67 (relating to plastic
2 plants for aquariums/terrariums).

3 (419) Heading 9902.14.76 (relating to polished
4 wired glass in rectangular sheets).

5 (420) Heading 9902.14.77 (relating to menis-
6 cus-shaped drawn glass-ceramic discs).

7 (421) Heading 9902.14.79 (relating to trans-
8 parent glass-ceramic cookware).

9 (422) Heading 9902.14.85 (relating to chopped
10 strands of glass).

11 (423) Heading 9902.14.89 (relating to strips
12 consisting of silver and tin).

13 (424) Heading 9902.14.98 (relating to small
14 metal wire crates for dogs).

15 (425) Heading 9902.15.05 (relating to side
16 press wringer handles).

17 (426) Heading 9902.15.07 (relating to isosceles
18 triangle wire).

19 (427) Heading 9902.15.10 (relating to zinc
20 punches).

21 (428) Heading 9902.15.12 (relating to gallium
22 unwrought in solid form).

23 (429) Heading 9902.15.15 (relating to gear
24 driven one-handed pruners).

1 (430) Heading 9902.15.17 (relating to swivel
2 head grass shears).

3 (431) Heading 9902.15.30 (relating to pet
4 grooming scissors).

5 (432) Heading 9902.15.34 (relating to mani-
6 cure and pedicure sets).

7 (433) Heading 9902.15.45 (relating to cast iron
8 crankcases).

9 (434) Heading 9902.15.46 (relating to cylinder
10 heads used solely or principally with marine com-
11 pression ignition engines).

12 (435) Heading 9902.15.47 (relating to pistons).

13 (436) Heading 9902.15.49 (relating to high
14 pressure pumps).

15 (437) Heading 9902.15.55 (relating to exhaust
16 fans for permanent installation).

17 (438) Heading 9902.15.57 (relating to house-
18 hold range hoods).

19 (439) Heading 9902.15.58 (relating to pre-as-
20 sembled pedestal fan column assemblies).

21 (440) Heading 9902.15.59 (relating to grilles
22 for exhaust fans).

23 (441) Heading 9902.15.66 (relating to pressure
24 distillation columns).

1 (442) Heading 9902.15.68 (relating to mobile
2 sprinklers).

3 (443) Heading 9902.15.75 (relating to
4 benchtop band saws).

5 (444) Heading 9902.15.76 (relating to certain
6 stationary band saws).

7 (445) Heading 9902.15.77 (relating to tilting
8 arbor table saws).

9 (446) Heading 9902.15.78 (relating to certain
10 table saws with 10 inch (25.4 cm) blade).

11 (447) Heading 9902.15.80 (relating to drill
12 presses).

13 (448) Heading 9902.15.81 (relating to elec-
14 trical rotary drill, hammer and chiseling tools).

15 (449) Heading 9902.15.89 (relating to tele-
16 scope mirror segment support assemblies).

17 (450) Heading 9902.15.93 (relating to regu-
18 lator valves).

19 (451) Heading 9902.15.97 (relating to used
20 camshafts and crankshafts for diesel engines).

21 (452) Heading 9902.15.99 (relating to crank-
22 shaft bearings).

23 (453) Heading 9902.16.03 (relating to
24 flexplates for engines).

1 (454) Heading 9902.16.11 (relating to motor
2 assemblies for air circulator electric fans).

3 (455) Heading 9902.16.12 (relating to motors
4 for high wattage fans).

5 (456) Heading 9902.16.13 (relating to alter-
6 nating current multiphase submersible pump motors
7 with output between 3 kilowatts and 14.92 kilo-
8 watts).

9 (457) Heading 9902.16.14 (relating to alter-
10 nating current multiphase submersible pump motors
11 with output between 149.2 kilowatts and 150 kilo-
12 watts).

13 (458) Heading 9902.16.15 (relating to alter-
14 nating current generators for exercise equipment).

15 (459) Heading 9902.16.26 (relating to
16 electromechanical knives).

17 (460) Heading 9902.16.28 (relating to auto-
18 matic food feeders for dogs and cats).

19 (461) Heading 9902.16.30 (relating to auto-
20 matic fish feeders).

21 (462) Heading 9902.16.39 (relating to alterna-
22 tors).

23 (463) Heading 9902.16.42 (relating to bulb
24 heaters with or without a fan).

1 (464) Heading 9902.16.49 (relating to micro-
2 wave ovens with 53 to 55 liter capacity and integral
3 range hood).

4 (465) Heading 9902.16.50 (relating to micro-
5 wave ovens with 58 to 60 liter capacity and integral
6 range hoods).

7 (466) Heading 9902.16.52 (relating to micro-
8 wave ovens with 53 to 55 liter capacity, glass turn-
9 table plate, and integral range hood).

10 (467) Heading 9902.16.53 (relating to micro-
11 wave ovens with 56 to 58 liter capacity and integral
12 range hood).

13 (468) Heading 9902.16.54 (relating to micro-
14 wave ovens with rectangular plate and integral range
15 hood).

16 (469) Heading 9902.16.55 (relating to vertical
17 waffle makers).

18 (470) Heading 9902.16.56 (relating to
19 multifunction grills).

20 (471) Heading 9902.16.57 (relating to electric
21 sandwich grillers).

22 (472) Heading 9902.16.64 (relating to front-
23 loading coffee makers).

24 (473) Heading 9902.16.66 (relating to built-in
25 coffee machines).

1 (474) Heading 9902.16.75 (relating to pro-
2 grammable slow cookers with thermometer probe).

3 (475) Heading 9902.16.76 (relating to electric
4 pressure cookers rated more than 1000W but not
5 more than 1200W, with a capacity of not less than
6 5 liters).

7 (476) Heading 9902.16.77 (relating to electric
8 rice cookers).

9 (477) Heading 9902.16.78 (relating to electric
10 pressure cookers rated more than 1200W but not
11 more than 1400W, with a capacity of not less than
12 5 liters).

13 (478) Heading 9902.16.81 (relating to candle
14 warmers).

15 (479) Heading 9902.16.90 (relating to chassis
16 or shelving containing backplane).

17 (480) Heading 9902.16.95 (relating to mirror
18 segment controller sensors).

19 (481) Heading 9902.17.03 (relating to used
20 gear boxes for certain vehicles).

21 (482) Heading 9902.17.07 (relating to stand-up
22 bicycles, having both wheels not exceeding 63.5cm in
23 diameter).

1 (483) Heading 9902.17.08 (relating to elliptical
2 cycles, with wheels not exceeding 63.5 cm in diame-
3 ter).

4 (484) Heading 9902.17.17 (relating to swim
5 goggles).

6 (485) Heading 9902.17.19 (relating to LCD
7 television panel assemblies, with a video display
8 measuring not over 58.42 cm).

9 (486) Heading 9902.17.20 (relating to LCD
10 television panel assemblies, with a video display
11 measuring over 58.42 cm but not over 78.74 cm).

12 (487) Heading 9902.17.21 (relating to LCD
13 television panel assemblies, with a video display
14 measuring over 78.74 cm but not over 81.28 cm).

15 (488) Heading 9902.17.22 (relating to LCD
16 television panel assemblies, with a video display
17 measuring over 81.28 cm but not over 99.06 cm).

18 (489) Heading 9902.17.23 (relating to LCD
19 television panel assemblies, with a video display
20 measuring over 99.06 cm but not over 101.6 cm).

21 (490) Heading 9902.17.28 (relating to bicycle
22 speedometers).

23 (491) Heading 9902.17.47 (relating to light
24 emitting diode (LED) hanging lamps with total in-
25 ternal reflection).

1 (492) Heading 9902.17.49 (relating to electric
2 table or desk light emitting diode (LED) task lamps
3 with ball joints).

4 (493) Heading 9902.17.52 (relating to exterior
5 emergency lights).

6 (494) Heading 9902.17.53 (relating to wing il-
7 lumination lights).

8 (495) Heading 9902.17.54 (relating to lantern
9 globes of extruded borosilicate glass).

10 (496) Heading 9902.17.56 (relating to golf club
11 driver heads with a loft of 9.5 degrees).

12 (497) Heading 9902.17.64 (relating to golf club
13 heads with a loft greater than 56 degrees).

14 (498) Heading 9902.17.65 (relating to golf club
15 putter heads).

16 (499) Heading 9902.17.70 (relating to tennis
17 rackets, strung).

18 (500) Heading 9902.17.72 (relating to
19 racquetball rackets).

20 (501) Heading 9902.17.73 (relating to squash
21 rackets).

22 (502) Heading 9902.17.76 (relating to leather
23 basketballs).

24 (503) Heading 9902.17.78 (relating to
25 racquetballs).

1 (504) Heading 9902.17.84 (relating to speed
2 bags and related equipment).

3 (505) Heading 9902.17.86 (relating to certain
4 bluetooth enabled adjustable dumbbells).

5 (506) Heading 9902.17.92 (relating to boxing
6 and mixed martial arts protective equipment).

7 (507) Heading 9902.17.94 (relating to fishing
8 reels valued more than \$2.70 but not more than
9 \$8.45, pre-spooled, with rod).

10 (508) Heading 9902.17.95 (relating to hair-
11 slides with imitation pearls or stones).

12 (b) MODIFICATION TO ARTICLE DESCRIPTIONS.—

13 (1) COCONUT WATER IN PAPER CARTONS.—
14 Heading 9902.01.15 is amended—

15 (A) by amending the article description to
16 read as follows: “Coconut water, not from con-
17 centrate, not containing added sugar or other
18 sweetening matter, packaged for retail sale in
19 paper-based cartons (provided for in subheading
20 2009.89.70)”;

21 (B) by striking “12/31/2020” and insert-
22 ing “12/31/2023”.

23 (2) FLAVORED COCONUT WATER.—Heading
24 9902.01.16 is amended—

1 (A) by amending the article description to
2 read as follows: “Coconut water not from con-
3 centrate, flavored, packaged for retail sale (pro-
4 vided for in subheading 2009.89.70)”;

5 (B) by striking “12/31/2020” and insert-
6 ing “12/31/2023”.

7 (3) HYPOPHOSPHOROUS ACID 50%.—Heading
8 9902.01.23 is amended—

9 (A) by amending the article description to
10 read as follows: “Hypophosphorous acid 50 per-
11 cent (phosphinic acid) (CAS No. 6303–21–5)
12 (provided for in subheading 2811.19.61)”;

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (4) POTASSIUM FLUOROBORATE.—Heading
16 9902.01.47 is amended—

17 (A) by amending the article description to
18 read as follows: “Potassium fluoroborate (CAS
19 No. 14075–53–7) (provided for in subheading
20 2826.90.90)”;

21 (B) by striking “12/31/2020” and insert-
22 ing “12/31/2023”.

23 (5) POTASSIUM FLUOROTITANATE.—Heading
24 9902.01.48 is amended—

1 (A) by amending the article description to
2 read as follows: “Potassium fluorotitanate
3 (Dipotassium hexafluorotitanate(2-)) (CAS No.
4 16919–27–0) (provided for in subheading
5 2826.90.90)”; and

6 (B) by striking “12/31/2020” and insert-
7 ing “12/31/2023”.

8 (6) POTASSIUM FLUOZIRCONATE.—Heading
9 9902.01.49 is amended—

10 (A) by amending the article description to
11 read as follows: “Dipotassium;
12 hexafluorozirconium(2-) (potassium
13 fluozirconate) (CAS No. 16923–95–8) (provided
14 for in subheading 2826.90.90)”; and

15 (B) by striking “12/31/2020” and insert-
16 ing “12/31/2023”.

17 (7) ZIRCONIUM BASIC CARBONATE.—Heading
18 9902.01.61 is amended—

19 (A) by amending the article description to
20 read as follows: “Zirconium basic carbonate
21 (zirconium(4+) dicarbonate) (CAS No. 57219–
22 64–4) (provided for in subheading
23 2836.99.50)”; and

24 (B) by striking “12/31/2020” and insert-
25 ing “12/31/2023”.

1 (8) O-CHLOROTOLUENE.—Heading 9902.01.95
2 is amended—

3 (A) by amending the article description to
4 read as follows: “2-Chlorotoluene (CAS No. 95–
5 49–8) (provided for in subheading
6 2903.99.80)”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (9) LEUCOQUINIZARIN.—Heading 9902.02.25
10 is amended—

11 (A) by amending the article description to
12 read as follows: “Leucoquinizarin as 1,4,9,10-
13 tetrahydroanthracene (CAS No. 476–60–8),
14 2,3-dihydro-9,10-dihydroxyanthracene-1,4-dione
15 (CAS No. 17648–03–2) or 2,3-dihydro-1,4-
16 dihydroxy-9,10-anthracenedione (CAS No.
17 40498–13–3) (provided for in subheading
18 2907.29.90 or 2914.69.90)”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (10) ANISALDEHYDE.—Heading 9902.02.49 is
22 amended—

23 (A) by amending the article description to
24 read as follows: “p-Anisaldehyde (4-

1 methoxybenzaldehyde) (CAS No. 123–11–5)
2 (provided for in subheading 2912.49.10”); and

3 (B) by striking “12/31/2020” and insert-
4 ing “12/31/2023”.

5 (11) METHYLIONONE.—Heading 9902.02.56 is
6 amended—

7 (A) by amending the article description to
8 read as follows: “(E)-1-(2,6,6-trimethylcyclohex-
9 2-en-1-yl)pent-1-en-3-one (Methylionone) (CAS
10 No. 1335–46–2) (provided for in subheading
11 2914.23.00)”); and

12 (B) by striking “12/31/2020” and insert-
13 ing “12/31/2023”.

14 (12) ITACONIC ACID.—Heading 9902.02.95 is
15 amended—

16 (A) by amending the article description to
17 read as follows: “Itaconic acid (2-
18 methylidenebutanedioic acid) (CAS No. 97–65–
19 4) (provided for in subheading 2917.19.70)”);
20 and

21 (B) by striking “12/31/2020” and insert-
22 ing “12/31/2023”.

23 (13) 4-SULFO-1,8-NAPHTHALIC ANHYDRIDE PO-
24 TASSIUM SALT.—Heading 9902.02.97 is amended—

1 (A) by amending the article description to
2 read as follows: “Potassium 1,3-dioxo-1H,3H-
3 benzo[de]isochromene-6-sulfonate (CAS No.
4 71501–16–1) (provided for in subheading
5 2917.39.04)”;

6 (B) by striking “12/31/2020” and insert-
7 ing “12/31/2023”.

8 (14) NTCDA.—Heading 9902.03.01 is amend-
9 ed—

10 (A) by amending the article description to
11 read as follows: “1,4,5,8-
12 Naphthalenetetracarboxylic dianhydride
13 (NTCDA) (CAS No. 81–30–1) (provided for in
14 subheading 2917.39.70)”;

15 (B) by striking “12/31/2020” and insert-
16 ing “12/31/2023”.

17 (15) STABILIZER OF FOAMS.—Heading
18 9902.03.11 is amended—

19 (A) by amending the article description to
20 read as follows: “Octyl 3-(3,5-ditert-butyl-4-
21 hydroxyphenyl)propanoate (CAS No. 125643–
22 61–0) (provided for in subheading
23 2918.29.65)”;

24 (B) by striking “12/31/2020” and insert-
25 ing “12/31/2023”.

1 (16) HINDERED PHENOLIC ANTIOXIDANT.—
2 Heading 9902.03.25 is amended—

3 (A) by amending the article description to
4 read as follows: “Triethylene glycol bis[3-(3-
5 tert-butyl-4-hydroxy-5-methyl-
6 phenyl)propionate] (CAS No. 36443–68–2)
7 (provided for in subheading 2918.99.43)”; and

8 (B) by striking “12/31/2020” and insert-
9 ing “12/31/2023”.

10 (17) D-HPPA.—Heading 9902.03.28 is amend-
11 ed—

12 (A) by amending the article description to
13 read as follows: “(R)-(+)-2-(4-
14 Hydroxyphenoxy)propionic acid (CAS No.
15 94050–90–5) (provided for in subheading
16 2918.99.43)”; and

17 (B) by striking “12/31/2020” and insert-
18 ing “12/31/2023”.

19 (18) TETRACHLORVINFOS.—Heading
20 9902.03.35 is amended—

21 (A) by amending the article description to
22 read as follows: “[*Z*]-2-Chloro-1-(2,4,5-
23 trichlorophenyl)ethenyl] dimethyl phosphate
24 (Tetrachlorvinfos) (CAS No. 22248–79–9) (pro-
25 vided for in subheading 2919.90.30)”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (19) PROPARGITE.—Heading 9902.03.41 is
4 amended—

5 (A) by amending the article description to
6 read as follows: “2-[4-(2-Methyl-2-
7 propanyl)phenoxy]cyclohexyl 2-propyn-1-yl sul-
8 fite (Propargite) (CAS No. 2312–35–8) (pro-
9 vided for in subheading 2920.90.10)”; and

10 (B) by striking “12/31/2020” and insert-
11 ing “12/31/2023”.

12 (20) 2-CHLORO-4-TOLUIDINE (2-CAT).—Heading
13 9902.03.69 is amended—

14 (A) by amending the article description to
15 read as follows: “3-Chloro-4-methylaniline (o-
16 chloro-p-toluidine) (CAS No. 95–74–9) (pro-
17 vided for in subheading 2921.43.90)”; and

18 (B) by striking “12/31/2020” and insert-
19 ing “12/31/2023”.

20 (21) M-TOLUIDINE.—Heading 9902.03.70 is
21 amended—

22 (A) by amending the article description to
23 read as follows: “m-Toluidine (CAS No. 108–
24 44–1) (provided for in subheading
25 2921.43.90)”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (22) FLUMETRALIN.—Heading 9902.03.77 is
4 amended—

5 (A) by amending the article description to
6 read as follows: “N-[(2-Chloro-6-
7 fluorophenyl)methyl]-N-ethyl-2,6-dinitro-4-
8 (trifluoromethyl)aniline (Flumetralin) (CAS No.
9 62924–70–3) (provided for in subheading
10 2921.49.45)”; and

11 (B) by striking “12/31/2020” and insert-
12 ing “12/31/2023”.

13 (23) 4,4-METHYLENE BIS O-CHLORO ANI-
14 LINE.—Heading 9902.03.83 is amended—

15 (A) by amending the article description to
16 read as follows: “4,4'-Methylenebis(2-
17 chloroaniline) (CAS No. 101–14–4) (provided
18 for in subheading 2921.59.08)”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (24) PHENOL, 2,2'-[[1S...]]BIS[6-(1,1-
22 DIMETHYLETHYL)].—Heading 9902.03.86 is amend-
23 ed—

24 (A) by amending the article description to
25 read as follows: “2,2'-[[1S,2S)-1,2-Diphenyl-

1 1,2-ethanediyl]bis(iminomethylene)]bis[6-(1,1-
2 dimethylethyl)phenol] (CAS No. 481725–63–7)
3 (provided for in subheading 2921.59.40)”; and

4 (B) by striking “12/31/2020” and insert-
5 ing “12/31/2023”.

6 (25) TRIS[2-[[2,4,8,10-TETRA-TERT-BUTYLDIBE
7 (AO 12).—Heading 9902.03.89 is amended—

8 (A) by amending the article description to
9 read as follows: “2-{[2,4,8,10-Tetrakis(2-meth-
10 yl-2-propanyl)diben-
11 zo[d,f][1,3,2]dioxaphosphin-6-yl]oxy}-N,N-
12 bis(2-{[2,4,8,10-tetra- kis(2-methyl-2-
13 propanyl)dibenzo[d,f][1,3,2]dioxaphos- phein-
14 6-yl]oxy}ethyl)ethanamine (CAS No. 80410–
15 33–9) (provided for in subheading
16 2922.19.60)”; and

17 (B) by striking “12/31/2020” and insert-
18 ing “12/31/2023”.

19 (26) L-LYSINE HYDRATE.—Heading
20 9902.04.03 is amended—

21 (A) by amending the article description to
22 read as follows: “L-Lysine hydrate (1:1) (CAS
23 No. 39665–12–8) (provided for in subheading
24 2922.41.00)”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (27) NON-GENETICALLY MODIFIED LECITHIN
4 OF RAPESEED.—Heading 9902.04.17 is amended—

5 (A) by amending the article description to
6 read as follows: “Lecithin derived from non-ge-
7 netically modified rapeseed (CAS No. 8002–43–
8 5) (provided for in subheading 2923.20.20)” ;
9 and

10 (B) by striking “12/31/2020” and insert-
11 ing “12/31/2023”.

12 (28) N,N,N',N'-TETRAKIS(2-HYDROXY-
13 ETHYL)HEXANEDIAMIDE.—Heading 9902.04.27 is
14 amended—

15 (A) by amending the article description to
16 read as follows: “N,N,N',N'-tetrakis(2-hydroxy-
17 ethyl)hexanediamide (CAS No. 6334–25–4)
18 (provided for in subheading 2924.19.80)” ; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (29) METALAXYL.—Heading 9902.04.36 is
22 amended—

23 (A) by amending the article description to
24 read as follows: “Methyl 2-(N-(2-
25 methoxyacetyl)-2,6-dimethylanilino)propanoate

1 (Metalaxyl) (CAS No. 57837–19–1) (provided
2 for in subheading 2924.29.47)” ; and

3 (B) by striking “12/31/2020” and insert-
4 ing “12/31/2023”.

5 (30) CARBARYL.—Heading 9902.04.39 is
6 amended—

7 (A) by amending the article description to
8 read as follows: “1-Naphthalenyl
9 methylcarbamate (Carbaryl) (CAS No. 63–25–
10 2) (provided for in subheading 2924.29.47)”;
11 and

12 (B) by striking “12/31/2020” and insert-
13 ing “12/31/2023”.

14 (31) MANDIPROPAMID.—Heading 9902.04.45 is
15 amended—

16 (A) by amending the article description to
17 read as follows: “2-(4-Chlorophenyl)-N-{2-[3-
18 methoxy-4-(2-propyn-1-yloxy)ph- nyl]ethyl}-2-
19 (2-propyn-1-yloxy)acetamide (Mandipropamid)
20 (CAS No. 374726–62–2) (provided for in sub-
21 heading 2924.29.47)” ; and

22 (B) by striking “12/31/2020” and insert-
23 ing “12/31/2023”.

24 (32) FENHEXAMID.—Heading 9902.04.46 is
25 amended—

1 (A) by amending the article description to
2 read as follows: “N-(2,3-Dichloro-4-
3 hydroxyphenyl)-1-methylcyclohexanecar-
4 boxamide (Fenhexamid) (CAS No. 126833–17–
5 8) (provided for in subheading 2924.29.47)”;
6 and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (33) 2,5-BIS[(1,3-
10 DIOXOBUTYL)AMINO]BENZENESULFONIC ACID.—
11 Heading 9902.04.51 is amended—

12 (A) by amending the article description to
13 read as follows: “2,5-Bis(3-
14 oxobutanoylamino)benzenesulfonic acid (CAS
15 No. 70185–87–4) (provided for in subheading
16 2924.29.71)” ; and

17 (B) by striking “12/31/2020” and insert-
18 ing “12/31/2023”.

19 (34) P-AMINOBENZAMIDE.—Heading
20 9902.04.55 is amended—

21 (A) by amending the article description to
22 read as follows: “p-Aminobenzamide (4-
23 Aminobenzamide) (CAS No. 2835–68–9) (pro-
24 vided for in subheading 2924.29.77)” ; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (35) TRANS-N-BOC ACID.—Heading 9902.04.57
4 is amended—

5 (A) by amending the article description to
6 read as follows: “Trans-4-[(2-Methyl-2-
7 propanyl)oxy]carbonyl}cyclohex-anecarboxylic
8 acid (CAS No. 53292–89–0) (provided for in
9 subheading 2924.29.95)” ; and

10 (B) by striking “12/31/2020” and insert-
11 ing “12/31/2023”.

12 (36) FLUMICLORAC PENTYL ESTER.—Heading
13 9902.04.62 is amended—

14 (A) by amending the article description to
15 read as follows: “Pentyl [2-chloro-5-(1,3-dioxo-
16 1,3,4,5,6,7-hexahydro-2H- isoindol-2-yl)-4-
17 fluorophenoxy]acetate (Flumiclorac pentyl
18 ester) (CAS No. 87546–18–7) (provided for in
19 subheading 2925.29.60)” ; and

20 (B) by striking “12/31/2020” and insert-
21 ing “12/31/2023”.

22 (37) ESFENVALERATE.—Heading 9902.04.74 is
23 amended—

24 (A) by amending the article description to
25 read as follows: “(S)-Cyano(3-

1 phenoxyphenyl)methyl(S)-4-chloro- α -(1-meth-
2 ylethyl)benzeneacetate (Esfenvalerate) (CAS
3 No. 66230-04-4) (provided for in subheading
4 2926.90.30)”; and

5 (B) by striking “12/31/2020” and insert-
6 ing “12/31/2023”.

7 (38) ZETA-CYPERMETHRIN.—Heading
8 9902.04.76 is amended—

9 (A) by amending the article description to
10 read as follows: “(S)-Cyano-(3-
11 phenoxyphenyl)methyl (+)cis-3-(2,2-
12 -dichloroethenyl)-2,2-dimethylcyclopropane-
13 carboxylate and (S)-cyano-(3-
14 phenoxyphenyl)methyl (+)trans-3-(2,2-
15 dichloroethenyl)-2,2-dimethylcyclopropane-
16 carboxylate (Zeta-cypermethrin) (CAS No.
17 1315501-18-8) (provided for in subheading
18 2926.90.30)”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (39) FENPROPATHRIN.—Heading 9902.04.78 is
22 amended—

23 (A) by amending the article description to
24 read as follows: “ α -Cyano-3-phenoxybenzyl
25 2,2,3,3-tetramethylcyclopropanecarboxylate

1 (Fenpropathrin) (CAS No. 39515–41–8) (pro-
2 vided for in subheading 2926.90.30)”; and

3 (B) by striking “12/31/2020” and insert-
4 ing “12/31/2023”.

5 (40) PHTHALODINITRILE.—Heading
6 9902.04.79 is amended—

7 (A) by amending the article description to
8 read as follows: “Benzene-1,2-dicarbonitrile
9 (Phthalodinitrile) (CAS No. 91–15–6) (provided
10 for in subheading 2926.90.43)” ; and

11 (B) by striking “12/31/2020” and insert-
12 ing “12/31/2023”.

13 (41) DIPHENYLACETONITRILE.—Heading
14 9902.04.80 is amended—

15 (A) by amending the article description to
16 read as follows: “2,2-Diphenylacetonitrile (CAS
17 No. 86–29–3) (provided for in subheading
18 2926.90.48)”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (42) IPN.—Heading 9902.04.81 is amended—

22 (A) by amending the article description to
23 read as follows: “Isophthalonitrile (1,3-
24 dicyanobenzene) (CAS No. 626–17–5) (pro-
25 vided for in subheading 2926.90.48)”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (43) TRIFLOXYSTROBIN.—Heading 9902.04.86
4 is amended—

5 (A) by amending the article description to
6 read as follows: “Methyl (E)-methoxyimino-
7 {(E)-2-[1-(α,α,α -trifluoro-m-tolyl)
8 ethylideneaminoxy]-o-tolyl}acetate
9 (Trifloxystrobin) (CAS No. 141517–21–7) (pro-
10 vided for in subheading 2928.00.25)”; and

11 (B) by striking “12/31/2020” and insert-
12 ing “12/31/2023”.

13 (44) CYFLUFENAMID.—Heading 9902.04.87 is
14 amended—

15 (A) by amending the article description to
16 read as follows: “(1Z)-N-{(Z)-
17 [(Cyclopropylmethoxy)imino][2,3-difluoro-6-
18 (trifluor- omethyl)phenyl]methyl}-2-
19 phenylethanimidic acid (Cyflufenamid) (CAS
20 No. 180409–60–3) (provided for in subheading
21 2928.00.25)”; and

22 (B) by striking “12/31/2020” and insert-
23 ing “12/31/2023”.

24 (45) TEBUFENOZIDE.—Heading 9902.04.88 is
25 amended—

1 (A) by amending the article description to
2 read as follows: “N’-(4-Ethylbenzoyl)-3,5-di-
3 methyl-N-(2-methyl-2-propanyl)benzohydrazide
4 (Tebufenozide) (CAS No. 112410–23–8) (pro-
5 vided for in subheading 2928.00.25)”;

6 (B) by striking “12/31/2020” and insert-
7 ing “12/31/2023”.

8 (46) CARBONOHYDRAZIDE.—Heading
9 9902.04.89 is amended—

10 (A) by amending the article description to
11 read as follows: “1,3-Diaminourea (CAS No.
12 497–18–7) (provided for in subheading
13 2928.00.50)”;

14 (B) by striking “12/31/2020” and insert-
15 ing “12/31/2023”.

16 (47) ADH.—Heading 9902.04.93 is amended—

17 (A) by amending the article description to
18 read as follows: “Hexanedihydrazide (adipic
19 dihydrazide) (CAS No. 1071–93–8) (provided
20 for in subheading 2928.00.50)”;

21 (B) by striking “12/31/2020” and insert-
22 ing “12/31/2023”.

23 (48) ORGANIC CHEMICALS.—Heading
24 9902.04.94 is amended—

1 (A) by amending the article description to
2 read as follows: “Bitolylene diisocyanate (3,3’-
3 dimethylbiphenyl-4,4’-diyl diisocyanate) (CAS
4 No. 91–97–4) (provided for in subheading
5 2929.10.20)”;

6 (B) by striking “12/31/2020” and insert-
7 ing “12/31/2023”.

8 (49) PCM.—Heading 9902.04.97 is amended—

9 (A) by amending the article description to
10 read as follows: “Ethyl [4-chloro-2-fluoro-5-
11 [[[methyl(1-methylethyl)a-
12 mino]sulfonyl]amino]carbonyl]phenyl]carbamate
13 (CAS No. 874909–61–2) (provided for in sub-
14 heading 2929.90.15)”;

15 (B) by striking “12/31/2020” and insert-
16 ing “12/31/2023”.

17 (50) PROFENOFOS.—Heading 9902.05.04 is
18 amended—

19 (A) by amending the article description to
20 read as follows: “O-4-Bromo-2-chlorophenyl O-
21 ethyl S-propyl phosphorothioate (Profenofos)
22 (CAS No. 41198–08–7) (provided for in sub-
23 heading 2930.90.10)”;

24 (B) by striking “12/31/2020” and insert-
25 ing “12/31/2023”.

1 (51) DCDPS, DICHLORODIPHENYLSULFONE.—
2 Heading 9902.05.14 is amended—

3 (A) by amending the article description to
4 read as follows: “1-Chloro-4-(4-
5 chlorophenyl)sulfonylbenzene (CAS No. 80-07-
6 9) (provided for in subheading 2930.90.29)”;
7 and

8 (B) by striking “12/31/2020” and insert-
9 ing “12/31/2023”.

10 (52) CAPTAN TECHNICAL.—Heading
11 9902.05.19 is amended—

12 (A) by amending the article description to
13 read as follows: “2-[(Trichloromethyl)sulfanyl]-
14 3a,4,7,7a-tetrahydro-1H-isoin- dole-1,3(2H)-
15 dione (Captan) (CAS No. 133-06-2) (provided
16 for in subheading 2930.90.43)”;

17 (B) by striking “12/31/2020” and insert-
18 ing “12/31/2023”.

19 (53) PENTAERYTHRITOL TETRAKIS (β-
20 LAURYLTHIOPROPIONATE).—Heading 9902.05.23 is
21 amended—

22 (A) by amending the article description to
23 read as follows: “3-{[3-
24 (Dodecylsulfanyl)propanoyl]oxy}-2,2-bis({[3-
25 dodecylsulfanyl]propanoyl]oxy)methyl)propyl 3-

1 (dodecylsulfanyl)propanoate) (CAS No. 29598–
2 76–3) (provided for in subheading
3 2930.90.91)”; and

4 (B) by striking “12/31/2020” and insert-
5 ing “12/31/2023”.

6 (54) DINOTEFURAN.—Heading 9902.05.45 is
7 amended—

8 (A) by amending the article description to
9 read as follows: “1-Methyl-2-nitro-3-(oxolan-3-
10 ylmethyl)guanidine (Dinotefuran) (CAS No.
11 165252–70–0) (provided for in subheading
12 2932.19.51)”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (55) COUMAPHOS.—Heading 9902.05.47 is
16 amended—

17 (A) by amending the article description to
18 read as follows: “3-Chloro-7-
19 diethoxyphosphinothioxy-4-methylchromen-2-
20 one (Coumaphos) (CAS No. 56–72–4) (pro-
21 vided for in subheading 2932.20.10)”; and

22 (B) by striking “12/31/2020” and insert-
23 ing “12/31/2023”.

24 (56) SPIROMESIFEN.—Heading 9902.05.48 is
25 amended—

1 (A) by amending the article description to
2 read as follows: “[2-Oxo-3-(2,4,6-
3 trimethylphenyl)-1-oxaspiro[4.4]non-3-en-4-yl]
4 3,3-dimethylbutanoate (Spiromesifen) (CAS No.
5 283594–90–1) (provided for in subheading
6 2932.20.10)”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (57) BRODIFACOUM.—Heading 9902.05.50 is
10 amended—

11 (A) by amending the article description to
12 read as follows: “4-Hydroxy-3-(3-(4'-bromo-4-
13 biphenyl)-1,2,3,4-tetrahydro-1-naph-
14 thyl)coumarin (Brodifacoum) (CAS No. 56073–
15 10–0) (provided for in subheading
16 2932.20.10)”; and

17 (B) by striking “12/31/2020” and insert-
18 ing “12/31/2023”.

19 (58) SODIUM ERYTHORBATE.—Heading
20 9902.05.54 is amended—

21 (A) by amending the article description to
22 read as follows: “Sodium erythorbate (sodium
23 (2R)-2-[(2R)-4,5-dihydroxy- 3-oxo-2,3-dihydro-
24 2-furanyl]-2-hydroxyethanolate) (CAS No.

1 6381–77–7) (provided for in subheading
2 2932.20.50)”; and

3 (B) by striking “12/31/2020” and insert-
4 ing “12/31/2023”.

5 (59) PYRACLOSTROBIN TECHNICAL.—Heading
6 9902.05.67 is amended—

7 (A) by amending the article description to
8 read as follows: “Methyl N-(2-[[1-(4-
9 chlorophenyl)pyrazol-3-yl]oxymethyl]-phenyl)-
10 (N-methoxy)carbamate (Pyraclostrobin) (CAS
11 No. 175013–18–0) (provided for in subheading
12 2933.19.23)”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (60) TRIFLUMIZOLE TECHNICAL.—Heading
16 9902.05.74 is amended—

17 (A) by amending the article description to
18 read as follows: “(E)-4-Chloro- α,α,α -trifluoro-
19 N-(1-imidazol-1-yl-2- propoxyethylidene)-o-tolu-
20 idine (Triflumizole) (CAS No. 99387–89–0)
21 (provided for in subheading 2933.29.35)”; and

22 (B) by striking “12/31/2020” and insert-
23 ing “12/31/2023”.

24 (61) FLUOPYRAM.—Heading 9902.05.80 is
25 amended—

1 (A) by amending the article description to
2 read as follows: “N-[2-[3-Chloro-5-
3 (trifluoromethyl)pyridin-2-yl]ethyl]-2-
4 (trifluoromethyl)benzamide (Fluopyram) (CAS
5 No. 658066–35–4) (provided for in subheading
6 2933.39.21)” ; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (62) CLODINAFOP-PROPARGYL.—Heading
10 9902.05.91 is amended—

11 (A) by amending the article description to
12 read as follows: “2-Propyn-1-yl (2R)-2-{4-[(5-
13 chloro-3-fluoro-2-
14 pyridinyl)oxy]phenoxy}propanoate (Clodinafop-
15 propargyl) (CAS No. 105512–06–9) (provided
16 for in subheading 2933.39.25)” ; and

17 (B) by striking “12/31/2020” and insert-
18 ing “12/31/2023”.

19 (63) ACETAMIPRID TECHNICAL.—Heading
20 9902.05.99 is amended—

21 (A) by amending the article description to
22 read as follows: “(E)-N1-[(6-Chloro-3-pyr-
23 idyl)methyl]-N2-cyano-N1- methyl-acetamide
24 (Acetamiprid) (CAS No. 135410–20–7) (pro-
25 vided for in subheading 2933.39.27)” ; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (64) PYRIPROXYFEN.—Heading 9902.06.04 is
4 amended—

5 (A) by amending the article description to
6 read as follows: “2-{[1-(4-Phenoxyphenoxy)-2-
7 propanyl]oxy}pyridine (Pyriproxyfen) (CAS No.
8 95737–68–1) (provided for in subheading
9 2933.39.27)” ; and

10 (B) by striking “12/31/2020” and insert-
11 ing “12/31/2023”.

12 (65) CERTAIN LIGHT STABILIZER.—Heading
13 9902.06.14 is amended—

14 (A) by amending the article description to
15 read as follows: “N-[6-[formyl-(2,2,6,6-
16 tetramethylpiperidin-4-yl)amino]hexyl]-N-
17 (2,2,6,6-tetramethylpiperidin-4-yl)formamide
18 (CAS No. 124172–53–8) (provided for in sub-
19 heading 2933.39.61)” ; and

20 (B) by striking “12/31/2020” and insert-
21 ing “12/31/2023”.

22 (66) N,N'-BIS(2,2,6,6-TETRAMETHYL-4-
23 PIPERIDINYL)ISOPH.—Heading 9902.06.16 is
24 amended—

1 (A) by amending the article description to
2 read as follows: “N,N’-Bis(2,2,6,6-tetramethyl-
3 4-piperidiny)isophthalamide (CAS No. 42774-
4 15-2) (provided for in subheading
5 2933.39.61)”;

6 (B) by striking “12/31/2020” and insert-
7 ing “12/31/2023”.

8 (67) UV ABSORBER.—Heading 9902.06.17 is
9 amended—

10 (A) by amending the article description to
11 read as follows: “3-Dodecyl-1-(2,2,6,6-
12 tetramethyl-4-piperidiny)-2,5-pyr-
13 rolidinedione (CAS No. 79720-19-7) (provided for in sub-
14 heading 2933.39.61)”;

15 (B) by striking “12/31/2020” and insert-
16 ing “12/31/2023”.

17 (68) ACYLATED STERICALLY HINDERED LIGHT
18 STABILIZER.—Heading 9902.06.18 is amended—

19 (A) by amending the article description to
20 read as follows: “1-(1-Acetyl-2,2,6,6-
21 tetramethyl-4-piperidiny)-3-dodecyl-
22 2,5-pyrrolidinedione (CAS No. 106917-31-1) (pro-
23 vided for in subheading 2933.39.61)”;

24 (B) by striking “12/31/2020” and insert-
25 ing “12/31/2023”.

1 (69) PYRIMETHANIL.—Heading 9902.06.32 is
2 amended—

3 (A) by amending the article description to
4 read as follows: “4,6-Dimethyl-N-
5 phenylpyrimidin-2-amine (Pyrimethanil) (CAS
6 No. 53112–28–0) (provided for in subheading
7 2933.59.15)” ; and

8 (B) by striking “12/31/2020” and insert-
9 ing “12/31/2023”.

10 (70) BENZYLADENINE.—Heading 9902.06.33 is
11 amended—

12 (A) by amending the article description to
13 read as follows: “N-Benzyl-3H-purin-6-amine
14 (Benzyladenine) (CAS No. 1214–39–7) (pro-
15 vided for in subheading 2933.59.15)” ; and

16 (B) by striking “12/31/2020” and insert-
17 ing “12/31/2023”.

18 (71) PYRIFLUQUINAZON.—Heading 9902.06.40
19 is amended—

20 (A) by amending the article description to
21 read as follows: “1-Acetyl-1,2,3,4-tetrahydro-3-
22 [(3-pyridylmethyl)amino]- 6-[1,2,2,2-
23 tetrafluoro-1-(trifluoromethyl) ethyl] quinazolin-
24 2-one (Pyrifluquinazon) (CAS No. 337458–27–

1 2) (provided for in subheading 2933.59.70”);

2 and

3 (B) by striking “12/31/2020” and insert-

4 ing “12/31/2023”.

5 (72) HEXAZINONE.—Heading 9902.06.52 is

6 amended—

7 (A) by amending the article description to

8 read as follows: “3-Cyclohexyl-6-dimethylamino-

9 1-methyl-1,3,5-triazine- 2,4(1H,3H)-dione

10 (Hexazinone) (CAS No. 51235–04–2) (provided

11 for in subheading 2933.69.60”); and

12 (B) by striking “12/31/2020” and insert-

13 ing “12/31/2023”.

14 (73) PYMETROZINE.—Heading 9902.06.53 is

15 amended—

16 (A) by amending the article description to

17 read as follows: “6-Methyl-4-{[(1E)-pyridin-3-

18 ylmethylene]amino}-4,5- dihydro-1,2,4-triazin-

19 3(2H)-one (Pymetrozine) (CAS No. 123312–

20 89–0) (provided for in subheading

21 2933.69.60”); and

22 (B) by striking “12/31/2020” and insert-

23 ing “12/31/2023”.

1 (74) LOW VOLATILE HYDROXYPHENYL TRI-
2 AZINE UV ABSORBER.—Heading 9902.06.59 is
3 amended—

4 (A) by amending the article description to
5 read as follows: “2-(4,6-Diphenyl-1,3,5-triazin-
6 2-yl)-5-(hexyloxy)phenol (CAS No. 147315–50–
7 2) (provided for in subheading 2933.69.60)” ;
8 and

9 (B) by striking “12/31/2020” and insert-
10 ing “12/31/2023”.

11 (75) VERY LOW VOLATILE HYDROXYPHENYL
12 TRIAZINE UV ABSORBER.—Heading 9902.06.60 is
13 amended—

14 (A) by amending the article description to
15 read as follows: “2-[4,6-Di(4-biphenyl)-1,3,5-
16 triazin-2-yl]-5-[(2-ethylhexyl)oxy]phenol (CAS
17 No. 204583–39–1) (provided for in subheading
18 2933.69.60)” ; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (76) TERBUTRYN.—Heading 9902.06.61 is
22 amended—

23 (A) by amending the article description to
24 read as follows: “(4E)-4-(Ethylimino)-N-(2-
25 methyl-2-propanyl)-6-(methylsulfanyl)- 1,4-

1 dihydro-1,3,5-triazin-2-amine (Terbutryn) (CAS
2 No. 886-50-0) (provided for in subheading
3 2933.69.60)”; and

4 (B) by striking “12/31/2020” and insert-
5 ing “12/31/2023”.

6 (77) BONDING AGENT FOR POLYESTER-REIN-
7 FORCED RUBBER PRODUCTS.—Heading 9902.06.69
8 is amended—

9 (A) by amending the article description to
10 read as follows: “N,N’-(Methylenedi-p-phen-
11 ylene)bis[hexahydro-2- oxo-1H-azepine-1-
12 carboxamide] (CAS No. 54112-23-1) (provided
13 for in subheading 2933.79.15)”; and

14 (B) by striking “12/31/2020” and insert-
15 ing “12/31/2023”.

16 (78) MYCLOBUTANIL TECHNICAL FUNGICIDE.—
17 Heading 9902.06.70 is amended—

18 (A) by amending the article description to
19 read as follows: “2-(4-Chlorophenyl)-2-(1H-
20 1,2,4-triazol-1-ylmethyl)hexanenitrile
21 (Myclobutanil) (CAS No. 88671-89-0) (pro-
22 vided for in subheading 2933.99.06)”; and

23 (B) by striking “12/31/2020” and insert-
24 ing “12/31/2023”.

1 (79) TRIADIMEFON.—Heading 9902.06.75 is
2 amended—

3 (A) by amending the article description to
4 read as follows: “1-(4-Chlorophenoxy)-3,3-di-
5 methyl-1-(1,2,4-triazol-1-yl)butan-2-one
6 (Triadimefon) (CAS No. 43121–43–3) (pro-
7 vided for in subheading 2933.99.22)” ; and

8 (B) by striking “12/31/2020” and insert-
9 ing “12/31/2023”.

10 (80) PYRAZIFLUMID.—Heading 9902.06.76 is
11 amended—

12 (A) by amending the article description to
13 read as follows: “N-(3',4'-Difluorobiphenyl-2-
14 yl)-3-(trifluoromethyl)pyra- zine-2-carboxamide
15 (Pyraziflumid) (CAS No. 942515–63–1) (pro-
16 vided for in subheading 2933.99.22)” ; and

17 (B) by striking “12/31/2020” and insert-
18 ing “12/31/2023”.

19 (81) ECONEA TECHNICAL.—Heading
20 9902.06.88 is amended—

21 (A) by amending the article description to
22 read as follows: “4-Bromo-2-(4-chlorophenyl)-5-
23 (trifluoromethyl)-1H-pyrrole-3-carbonitrile
24 (Tralopyril) (CAS No. 122454–29–9) (provided
25 for in subheading 2933.99.22)” ; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (82) ULTRAVIOLET LIGHT ABSORBER.—Head-
4 ing 9902.06.89 is amended—

5 (A) by amending the article description to
6 read as follows: “2-(Benzotriazol-2-yl)-4,6-bis(2-
7 methylbutan-2-yl)phenol (CAS No. 25973–55–
8 1) (provided for in subheading 2933.99.79)”;
9 and

10 (B) by striking “12/31/2020” and insert-
11 ing “12/31/2023”.

12 (83) 2-(2H-BENZOTRIAZOL-2-YL)-4,6-BIS(1-
13 METHYL-1-PHENYLETHYL)PHENOL.—Heading
14 9902.06.90 is amended—

15 (A) by amending the article description to
16 read as follows: “2-(Benzotriazol-2-yl)-4,6-bis(2-
17 phenylpropan-2-yl)phenol (CAS No. 70321–86–
18 7) (provided for in subheading 2933.99.79)”;
19 and

20 (B) by striking “12/31/2020” and insert-
21 ing “12/31/2023”.

22 (84) ISAVUCONAZONIUM SULFATE.—Heading
23 9902.07.03 is amended—

24 (A) by amending the article description to
25 read as follows: “(2-[(1-[(2R,3R)-3-[4-(4-

1 Cyanophenyl)-1,3-thiazol-2-yl]-2- (2,5-
2 difluorophenyl)-2-hydroxybutyl]-1H-1,2,4-
3 triazol-4-ium-4-
4 yl}ethoxy)carbonyl](methyl)amino}-3-
5 pyridinyl)methyl N-methylglycinate hydrogen
6 sulfate (Isavuconazonium Sulfate) (CAS No.
7 946075-13-4) (provided for in subheading
8 2934.10.10)”; and

9 (B) by striking “12/31/2020” and insert-
10 ing “12/31/2023”.

11 (85) ETHABOXAM.—Heading 9902.07.08 is
12 amended—

13 (A) by amending the article description to
14 read as follows: “N-[Cyano(2-thienyl)methyl]-4-
15 ethyl-2-(ethylamino)-1,3- thiazole-5-carboxamide
16 (Ethaboxam) (CAS No. 162650-77-3) (pro-
17 vided for in subheading 2934.10.90)”; and

18 (B) by striking “12/31/2020” and insert-
19 ing “12/31/2023”.

20 (86) PROPICONAZOLE.—Heading 9902.07.16 is
21 amended—

22 (A) by amending the article description to
23 read as follows: “1-[[2-(2,4-Dichlorophenyl)-4-
24 propyl-1,3-dioxolan-2-yl]- methyl]-1H-1,2,4-tri-

1 azole (Propiconazole) (CAS No. 60207–90–1)
2 (provided for in subheading 2934.99.12)”; and

3 (B) by striking “12/31/2020” and insert-
4 ing “12/31/2023”.

5 (87) ETOXAZOLE.—Heading 9902.07.35 is
6 amended—

7 (A) by amending the article description to
8 read as follows: “2-(2,6-Difluorophenyl)-4-[2-
9 ethoxy-4-(2-methyl-2-propanyl)phenyl]- 4,5-
10 dihydro-1,3-oxazole (Etoxazole) (CAS No.
11 153233–91–1) (provided for in subheading
12 2934.99.18)”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (88) FLUCARBAZONE-SODIUM.—Heading
16 9902.07.65 is amended—

17 (A) by amending the article description to
18 read as follows: “Sodium [(3-methoxy-4-methyl-
19 5-oxo-4,5-dihydro-1H-1,2,4- triazol-1-
20 yl)carbonyl]{[2-(trifluorometh-
21 oxy)phenyl]sulfonyl}azanide (Flucarbazone-so-
22 dium) (CAS No. 181274–17–9) (provided for in
23 subheading 2935.90.75)”; and

24 (B) by striking “12/31/2020” and insert-
25 ing “12/31/2023”.

1 (89) IMAZOSULFURON.—Heading 9902.07.71 is
2 amended—

3 (A) by amending the article description to
4 read as follows: “2-Chloro-N-[(4,6-dimethoxy-2-
5 pyrimidinyl)carbamoyl]imidazo[1,2-a]pyridine-
6 3-sulfonamide (Imazosulfuron) (CAS No.
7 122548–33–8) (provided for in subheading
8 2935.90.75)”; and

9 (B) by striking “12/31/2020” and insert-
10 ing “12/31/2023”.

11 (90) PURIFIED STEVIOL GLYCOSIDE,
12 REBAUDIOSIDE M.—Heading 9902.07.76 is amend-
13 ed—

14 (A) by amending the article description to
15 read as follows: “(4- α)-13-[(O- β -D-
16 Glucopyranosyl-(1-2)-O-[β -D- glucopyranosyl-
17 (1-3)]- β -D-glucopyranosyl)oxy]-kaur-16- en-18-
18 oic acid O- β -D-glucopyranosyl-(1-2)-O-[β -D-
19 glucopyranosyl- (1-3)]- β -D-glucopyranosyl ester
20 (Rebaudioside M) (CAS No. 1220616–44–3)
21 (provided for in subheading 2938.90.00)”; and

22 (B) by striking “12/31/2020” and insert-
23 ing “12/31/2023”.

24 (91) TREHALOSE.—Heading 9902.07.78 is
25 amended—

1 (A) by amending the article description to
2 read as follows: “Trehalose (α -D-glucopyranosyl
3 α -D-glucopyranoside dihydrate) (CAS No.
4 6138–23–4) (provided for in subheading
5 2940.00.60)”;

6 (B) by striking “12/31/2020” and insert-
7 ing “12/31/2023”.

8 (92) CHLOROPHYLLIN.—Heading 9902.07.80 is
9 amended—

10 (A) by amending the article description to
11 read as follows: “Chlorophyllin-copper complex
12 (CAS No. 11006–34–1) (provided for in sub-
13 heading 2942.00.50)”;

14 (B) by striking “12/31/2020” and insert-
15 ing “12/31/2023”.

16 (93) DISPERSE BLUE 56.—Heading 9902.07.85
17 is amended—

18 (A) by amending the article description to
19 read as follows: “Disperse Blue 56 (1,5-
20 diamino-2-bromo-4,8-dihydroxy-9,10-
21 anthraquinone) (CAS No. 68134–65–6) (pro-
22 vided for in subheading 3204.11.10)”;

23 (B) by striking “12/31/2020” and insert-
24 ing “12/31/2023”.

1 (94) DISPERSE BLUE 284.—Heading
2 9902.07.86 is amended—

3 (A) by amending the article description to
4 read as follows: “Disperse Blue 284 (({4-[(E)-
5 (3,5-dinitro-2-thienyl)diazenyl]phenyl}imino)di-
6 2,1-ethanediyl diacetate) (CAS No. 42783–06–
7 2) (provided for in subheading 3204.11.10)”;
8 and

9 (B) by striking “12/31/2020” and insert-
10 ing “12/31/2023”.

11 (95) MIXTURE OF DISPERSE BLUE 60 M, DIS-
12 PERSE BLUE 60 ME.—Heading 9902.07.88 is amend-
13 ed—

14 (A) by amending the article description to
15 read as follows: “Mixtures of 4,11-diamino-2-
16 (3-methoxypropyl)-1H-Naph- tho[2,3-
17 f]isoindole-1,3,5,10(2H)-tetrone (Disperse Blue
18 60 M) (CAS No. 12217–80–0) and 4,11-
19 diamino-2-[3-(2-methoxyeth- oxy)propyl]-1H-
20 naphtho[2,3-f]isoindole-1,3,5,10(2H)-tetrone
21 (Disperse Blue 60 ME) (CAS No. 65059–45–
22 2) (provided for in subheading 3204.11.35)” ;
23 and

24 (B) by striking “12/31/2020” and insert-
25 ing “12/31/2023”.

1 (96) MIX OF DISPERSE BLUE 77, 56, 60M, 60ME,
2 77.—Heading 9902.07.89 is amended—

3 (A) by amending the article description to
4 read as follows: “Mixtures of 1-anilino-4,5-
5 dihydroxy-8-nitro-9,10-anthraquinone (Disperse
6 Blue 77) (CAS No. 20241–76–3); 1,5-diamino-
7 2-bromo-4,8-dihydroxy-9,10-anthraquinone
8 (Disperse Blue 56) (CAS No. 68134–65–6);
9 4,11-diamino-2-(3-methoxypropyl)-1H-
10 naphtho[2,3- f]isoindole-1,3,5,10(2H)-tetrone
11 (Disperse Blue 60 M) (CAS No. 12217–80–0)
12 and 4,11-diamino-2-[3-(2-
13 methoxyethoxy)propyl]-1H- naphtho[2,3-
14 f]isoindole-1,3,5,10(2H)-tetrone (Disperse Blue
15 60 ME) (CAS No. 65059–45–2) (provided for
16 in subheading 3204.11.35)”; and

17 (B) by striking “12/31/2020” and insert-
18 ing “12/31/2023”.

19 (97) MIXTURE OF DISPERSE YELLOW 64, 211,
20 42, AND 54.—Heading 9902.07.90 is amended—

21 (A) by amending the article description to
22 read as follows: “Mixtures of 2-(4-Bromo-3-hy-
23 droxy-2-quinolinyl)-1H-indene-1,3(2H)-dione
24 (Disperse Yellow 64) (CAS No. 10319–14–9);
25 5-[(E)-(4-Chloro-2-nitrophenyl)diazenyl]-1-

1 ethyl-6-hydroxy-4-methyl-2-oxo-1,2-dihydro-3-
2 pyridinecarbonitrile (Disperse Yellow 211)
3 (CAS No. 70528-90-4); 4-Anilino-3-nitro-N-
4 phenylbenzenesulfonamide (Disperse Yellow 42)
5 (CAS No. 5124-25-4) and 2-(3-Hydroxy-2-
6 quinolinyl)-1H-indene-1,3(2H)-dione (Disperse
7 Yellow 54) (CAS No. 7576-65-0) (provided for
8 in subheading 3204.11.35)”; and

9 (B) by striking “12/31/2020” and insert-
10 ing “12/31/2023”.

11 (98) DYE MIXTURE.—Heading 9902.07.92 is
12 amended—

13 (A) by amending the article description to
14 read as follows: “Mixtures of Disperse Yellow
15 163 (3,3’-(4-[(E)-(2,6-Dichloro-4-
16 nitrophenyl)diazanyl
17 phenyl}imino)dipropanenitrile) (CAS No.
18 67923-43-7); Solvent Yellow 163 (1,8-
19 Bis(phenylthio)anthracene-9,10-dione) (CAS
20 No. 13676-91-0); Disperse Blue 56 (1,5-
21 Diamino-2-bromo-4,8-dihydroxy-9,10-
22 anthraquinone) (CAS No. 68134-65-6); Dis-
23 perse Blue 77 (1-Anilino-4,5-dihydroxy-8-nitro-
24 9,10-anthraquinone) (CAS No. 20241-76-3);
25 Disperse Red 1042A (5-[2-(2-Cyano-4-

1 nitrophenyl)diazenyl]-2-[[2-(2-
2 hydroxyethoxy)ethyl]amino]-4-methyl-6-
3 (phenylamino)-3-pyridinecarbonitrile) (CAS No.
4 149988-44-3); Disperse Red 1042B (5-[(2-
5 Cyano-4-nitrophenyl)diazenyl]-6-[[2-(2-
6 hydroxyethoxy)ethyl]amino]-4-methyl-2-
7 (phenylamino)-3-pyridine carbonitrile) (CAS
8 No. 137428-29-6); Disperse Blue 60 M (4,11-
9 Diamino-2-(3-methoxypropyl)-1H-naphtho[2,3-
10 f]isoindole-1,3,5,10(2H)-tetrone) (CAS No.
11 12217-80-0) and Disperse Blue 60 ME (4,11-
12 Diamino-2-[3-(2-methoxyethoxy)propyl]-1H-
13 naphtho[2,3-f]isoindole-1,3,5,10(2H)-tetrone)
14 (CAS No. 65059-45-2) (provided for in sub-
15 heading 3204.11.35)”; and

16 (B) by striking “12/31/2020” and insert-
17 ing “12/31/2023”.

18 (99) MIXTURE OF DISPERSE ORANGE T9601,
19 ETC.—Heading 9902.07.93 is amended—

20 (A) by amending the article description to
21 read as follows: “Mixtures of Disperse Orange
22 288 (3-(Benzyl{4-[(4-nitrophenyl)diazenyl]
23 phenyl}amino)propanenitrile) (CAS No. 96662-
24 24-7); Disperse Blue 291:1 (N-{2-[(E)-(2-
25 Bromo-4,6-dinitrophenyl)diazenyl]-5-

1 (diallylamino)-4- methoxyphenyl}acetamide)
2 (CAS No. 51868-46-3) and Disperse Violet
3 93:1 (N-{2-[(E)-(2-Bromo-4,6-dinitro-
4 phenyl)diazenyl]-5-
5 (diethylamino)phenyl}acetamide) (CAS No.
6 52697-38-8) (provided for in subheading
7 3204.11.35)”; and

8 (B) by striking “12/31/2020” and insert-
9 ing “12/31/2023”.

10 (100) MIXTURES OF SOLVENT YELLOW 163 AND
11 OTHER PRODUCTS.—Heading 9902.07.94 is amend-
12 ed—

13 (A) by amending the article description to
14 read as follows: “Mixtures of Solvent Yellow
15 163 (1,8-Bis(phenylsulfanyl)-9,10-
16 anthraquinone) (CAS No. 13676-91-0); Dis-
17 perse Blue 56 (1,5-Diamino-2-bromo-4,8-
18 dihydroxy-9,10-anthraquinone) (CAS No.
19 68134-65-6); Disperse Red 167:1 ({3-
20 (Acetylamino)-4-[(2-chloro-4-
21 nitrophenyl)azo]phenyl}imino)diethane-2,1-diyl
22 diacetate) (CAS No. 1533-78-4); Disperse Or-
23 ange 29 (4-({2-Methoxy-4-[(4-
24 nitrophenyl)diazenyl]phenyl}diazenyl)phenol)
25 (CAS No. 19800-42-1); Disperse Red 1042A

1 (5-[2-(2-Cyano-4-nitrophenyl)diazenyl]-2-[[2-(2-
2 hydroxyethoxy)ethyl]amino]-4-methyl-6-
3 (phenylamino)-3-pyridinecarbonitrile) (CAS No.
4 149988-44-3); Disperse Red 1042B (5-[(2-
5 Cyano-4-nitrophenyl)diazenyl]-6-[[2-(2-
6 hydroxyethoxy)ethyl]amino]-4-methyl-2-
7 (phenylamino)-3-pyridine carbonitrile) (CAS
8 No. 137428-29-6); Disperse Blue 60 M (4,11-
9 Diamino-2-(3-methoxypropyl)-1H-naphtho[2,3-
10 f]isoindole-1,3,5,10(2H)-tetrone) (CAS No.
11 12217-80-0) and Disperse Blue 60 ME (4,11-
12 Diamino-2-[3-(2-methoxyethoxy)propyl]-1H-
13 naphtho[2,3-f]isoindole-1,3,5,10(2H)-tetrone)
14 (CAS No. 65059-45-2) (provided for in sub-
15 heading 3204.11.35)”; and

16 (B) by striking “12/31/2020” and insert-
17 ing “12/31/2023”.

18 (101) TEXTILE DYE MIXTURES.—Heading
19 9902.07.95 is amended—

20 (A) by amending the article description to
21 read as follows: “Mixtures of Disperse Blue
22 ANT (Br) (N-[5-(acetylamino)-4-[2-(2-bromo-
23 4,6- dinitrophenyl)diazenyl]-2-methoxy- phenyl]-
24 N-(2-methoxy-2-oxoethyl)-glycine, methyl ester)
25 (CAS No. 88938-51-6); Disperse Green GNA

1 (N-[5-(acetylamino)-2-methoxy- 4-[2-(5-nitro-
2 2,1-benzisothiazol-3-yl)diazenyl]phenyl]-N- (2-
3 methoxy-2-oxoethyl)-glycine, methyl ester) (CAS
4 No. 1235882-84-4); Disperse Yellow FC60954
5 (4-[2-(5-cyano-1,6-dihydro-2-hydroxy-1,4-di-
6 methyl-6-oxo-3- pyridinyl)diazenyl]-benzoic acid,
7 2-phenoxyethyl ester) (CAS No. 88938-37-8);
8 Disperse Red DYNs 2246 (N-[4-[2-(2-cyano-4-
9 nitrophenyl)diazenyl]phe- nyl]-N-
10 (phenylmethyl)-B-alanine, 2-oxopropyl ester)
11 (CAS No. 1021394-33-1); and Disperse Yellow
12 DYLA 1306 (1,2-dihydro-6-hydroxy-1,4- di-
13 methyl-5-[2-[2-nitro-4-(phenyl-
14 methoxy)phenyl]diazenyl]-2-oxo-3-
15 pyridinecarbonitrile) (CAS No. 1613451-37-8)
16 (provided for in subheading 3204.11.35”); and
17 (B) by striking “12/31/2020” and insert-
18 ing “12/31/2023”.

19 (102) MIXTURES OF DISPERSE BLUE 77 AND
20 DISPERSE BLUE 60 M.—Heading 9902.07.96 is
21 amended—

22 (A) by amending the article description to
23 read as follows: “Mixtures of Disperse Blue 77
24 (1-anilino-4,5-dihydroxy-8-nitro-9,10-
25 anthraquinone) (CAS No. 20241-76-3) and

1 Disperse Blue 60 M (4,11-diamino-2-(3-
2 methoxypropyl)-1H-naphtho[2,3-f]iso- indole-
3 1,3,5,10(2H)-tetrone) (CAS No. 12217-80-0)
4 (provided for in subheading 3204.11.35)”; and
5 (B) by striking “12/31/2020” and insert-
6 ing “12/31/2023”.

7 (103) DISPERSE YELLOW 184:1.—Heading
8 9902.07.97 is amended—

9 (A) by amending the article description to
10 read as follows: “Disperse Yellow 232 (3-(5-
11 chloro-2-benzoxazolyl)-7-(diethyl-amino)-2H-1-
12 benzopyran-2-one) (CAS No. 35773-43-4)
13 (provided for in subheading 3204.11.35)”; and

14 (B) by striking “12/31/2020” and insert-
15 ing “12/31/2023”.

16 (104) MIXTURES OF DISPERSE BLUE ANT (BR)
17 AND OTHER DYES.—Heading 9902.07.98 is amend-
18 ed—

19 (A) by amending the article description to
20 read as follows: “Mixtures of Disperse Blue
21 ANT (Br) (N-[5-(acetylamino)-4-[2- (2-bromo-
22 4,6-dinitrophenyl)diazenyl]-2-methoxyphenyl]-
23 N- (2-methoxy-2-oxoethyl)-glycine, methyl
24 ester) (CAS No. 88938-51-6); Disperse Green
25 GNA (N-[5-(acetylamino)-2-methoxy-4-[2-(5-

1 nitro-2,1- benzisothiazol-3-yl)diazenyl]phenyl]-
2 N-(2-methoxy-2-oxoethyl)-glycine, methyl ester)
3 (CAS No. 1235882-84-4); Disperse Yellow
4 FC60954 (4-[2-(5-cyano-1,6-dihydro-2-hydroxy-
5 1,4-dimethyl-6-oxo-3-pyridinyl)diazenyl]-benzoic
6 acid, 2-phenoxyethyl ester) (CAS No. 88938-
7 37-8) and Disperse Red DYN S 2246 (N-[4-[2-
8 (2-cyano-4-nitrophenyl)dia- zenyl]phenyl]-N-
9 (phenylmethyl)-B-alanine, 2-oxopropyl ester)
10 (CAS No. 1021394-33-1) (provided for in sub-
11 heading 3204.11.35)”; and

12 (B) by striking “12/31/2020” and insert-
13 ing “12/31/2023”.

14 (105) MIXTURES OF DISPERSE BLUE 60 M AND
15 OTHER PRODUCTS.—Heading 9902.08.01 is amend-
16 ed—

17 (A) by amending the article description to
18 read as follows: “Mixtures of Disperse Blue 60
19 M (4,11-diamino-2-(3-methoxy- propyl)-1H-
20 naphtho[2,3-f]isoindole-1,3,5,10(2H)-tetrone)
21 (CAS No. 12217-80-0); Disperse Blue 60 ME
22 (4,11-diamino-2-[3-(2-methoxy- ethoxy)propyl]-
23 1H-naphtho[2,3-f]isoindole-1,3,5,10(2H)-
24 tetrone) (CAS No. 65059-45-2) and Disperse
25 Blue 1771 (8E)-8-{[2-(dibutylamino)-4-phenyl-

1 1,3- thiazol-5-yl]imino}-2-(3-heptanyl)-7-meth-
2 yl-5-oxo-5,8-dihydro[1,2,4]tri- azolo[1,5-
3 a]pyridine-6-carbonitrile (CAS No. 169324-83-
4 8) (provided for in subheading 3204.11.35)”;
5 and

6 (B) by striking “12/31/2020” and insert-
7 ing “12/31/2023”.

8 (106) MIXTURES OF DISPERSE BLUE 7 AND
9 OTHER DYES.—Heading 9902.08.03 is amended—

10 (A) by amending the article description to
11 read as follows: “Mixtures of Disperse Blue 77
12 (1-anilino-4,5-dihydroxy-8-nitro-9,10-
13 anthraquinone) (CAS No. 20241-76-3); Dis-
14 perse Red 1042A (5-[2-(2-Cyano-4-
15 nitrophenyl)diazenyl]-2-[[2-(2-
16 hydroxyethoxy)ethyl]amino]-4-methyl-6-
17 (phenylamino)-3-pyridinecarbonitrile) (CAS No.
18 149988-44-3); Disperse Red 1042B (5-[(2-
19 cyano-4-nitrophenyl)diazenyl]-6-[[2-(2-
20 hydroxyethoxy)ethyl]amino]-4-methyl-2-
21 (phenylamino)-3-pyridine carbonitrile) (CAS
22 No. 137428-29-6) and Disperse Orange
23 FC84508 (Cyano[3-[(6-methoxy-2-
24 benzothiazolyl)amino]-1H- isoindol-1-
25 ylidene]acetic acid, pentyl ester) (CAS No.

1 173285–74–0) (provided for in 3204.11.35”);

2 and

3 (B) by striking “12/31/2020” and insert-
4 ing “12/31/2023”.

5 (107) MIX OF DISPERSE YELLOW 163, ETC. (DX
6 BLACK HLA-E).—Heading 9902.08.04 is amended—

7 (A) by amending the article description to
8 read as follows: “Mixtures of Disperse Yellow
9 163 (3,3’-($\{4-[(2,6\text{-dichloro-4-}$
10 $\text{nitrophenyl)diazenyl}$ phenyl} imino)
11 dipropanenitrile) (CAS No. 67923–43–7); Dis-
12 perse Red 167:1 ($\{3\text{-(acetylamino)-4-}[(2\text{-chloro-}$
13 $4\text{-nitrophenyl)azo}]$ phenyl} imino) diethane-2,1-
14 diyl diacetate) (CAS No. 1533–78–4); Disperse
15 red 60 (1-amino-4-hydroxy-2-phenoxy-9,10-
16 anthracenedione) (CAS No. 17418–58–5); Dis-
17 perse Blue 77 (1-anilino-4,5-dihydroxy-8-nitro-
18 9,10-anthraquinone) (CAS No. 20241–76–3);
19 Disperse Blue 56 (1,5-diamino-2-bromo-4,8-
20 dihydroxy-9,10-anthraquinone) (CAS No.
21 68134–65–6); Disperse Blue 214 E (4,8-
22 diamino-2-(4-ethoxyphenyl)-1,5-dihydroxy-9,10-
23 anthraquinone) (CAS No. 15114–15–5) and
24 Disperse Blue 214 EE (4,8-diamino-2-[4-(2-
25 ethoxyethoxy) phenyl]-1,5-dihydroxy-9,10-

1 anthraquinone) (CAS No. 23119–35–9) (pro-
2 vided for in subheading 3204.11.35)”; and

3 (B) by striking “12/31/2020” and insert-
4 ing “12/31/2023”.

5 (108) MIX OF DISPERSE RED 356, 367, &
6 H111030.—Heading 9902.08.05 is amended—

7 (A) by amending the article description to
8 read as follows: “Mixtures of Disperse Red 356
9 (3-phenyl-7-(4-propoxyphe- nyl)furo[2,3-
10 f][1]benzofuran-2,6-dione) (CAS No. 79694–
11 17–0); Disperse Red 367 ([4-(2,6-dihydro-2,6-
12 dioxo-7-phenylbenzo[1,2- b:4,5-b′]difuran-3-
13 yl)phenoxy]-acetic acid, 2-ethoxyethyl ester)
14 (CAS No. 126877–05–2) and Disperse Red
15 H1111030 ([4-[2,6-dihydro-2,6-dioxo-7-(4-
16 propoxyphe- nyl)benzo[1,2-b:4,5-b′]difuran-3-
17 yl]phenoxy]-acetic acid, 2-ethoxyethyl ester)
18 (CAS No. 126877–06–3) (provided for in sub-
19 heading 3204.11.35)”; and

20 (B) by striking “12/31/2020” and insert-
21 ing “12/31/2023”.

22 (109) MIX OF DISPERSE RED 1042A & DISPERSE
23 RED 1042B.—Heading 9902.08.06 is amended—

24 (A) by amending the article description to
25 read as follows: “Mixtures of Disperse Red

1 1042A (5-[2-(2-cyano-4-nitro- phenyl)diazenyl]-
2 2-[[2-(2-hydroxyethoxy)ethyl]amino]-4-methyl-
3 6-(phenylamino)-3-pyridine carbonitrile) (CAS
4 No. 149988-44-3) and Disperse Red 1042B
5 (5-[(2-cyano-4-nitrophenyl)dia- zenyl]-6-[[2-(2-
6 hydroxyethoxy)ethyl]amino]-4- methyl-2-
7 (phenylamino)-3-pyridine carbonitrile) (CAS
8 No. 137428-29-6) (provided for in subheading
9 3204.11.35)”; and

10 (B) by striking “12/31/2020” and insert-
11 ing “12/31/2023”.

12 (110) MIX OF DISPERSE BLUE 77, 60 M, & DIS-
13 PERSE YELLOW 71.—Heading 9902.08.07 is amend-
14 ed—

15 (A) by amending the article description to
16 read as follows: “Mixtures of Disperse Blue 77
17 (1-anilino-4,5-dihydroxy-8-nitro-9,10-
18 anthraquinone) (CAS No. 20241-76-3); Dis-
19 perse Blue 60 M (4,11-diamino-2-(3-
20 methoxypropyl)-1H-naphtho[2,3-f]isoindole-
21 1,3,5,10(2H)-tetrone) (CAS No. 12217-80-0);
22 and Disperse Yellow 71 (9 (or 10)-Methoxy-7H-
23 benzimidazo[2,1-a]benz[de]iso-quinolin-7-one)
24 (CAS No. 68296-59-3) (provided for in sub-
25 heading 3204.11.35)”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (111) DISPERSE YELLOW 64.—Heading
4 9902.08.12 is amended—

5 (A) by amending the article description to
6 read as follows: “Disperse Yellow 64 (2-(4-
7 bromo-3-hydroxy-2-quinolinyl)-1H-indene-
8 1,3(2H)-dione) (CAS No. 10319–14–9) (pro-
9 vided for in subheading 3204.11.50)”;

10 (B) by striking “12/31/2020” and insert-
11 ing “12/31/2023”.

12 (112) MIX OF DISPERSE BLUE 73 A & DISPERSE
13 BLUE 73 P.—Heading 9902.08.13 is amended—

14 (A) by amending the article description to
15 read as follows: “Mixtures of Disperse Blue 73
16 A (1,5-diamino-4,8-dihydroxy(4-
17 methoxyphenyl)-9,10-anthracenedione) (CAS
18 No. 31288–44–5) and Disperse Blue 73 P (1,5-
19 diamino-4,8-dihydroxy(4-hydroxyphenyl)-9,10-
20 anthracenedione) (CAS No. 31529–83–6) (pro-
21 vided for in subheading 3204.11.50)”;

22 (B) by striking “12/31/2020” and insert-
23 ing “12/31/2023”.

24 (113) SOLVENT BLUE 182.—Heading
25 9902.08.15 is amended—

1 (A) by amending the article description to
2 read as follows: “Acid Blue 182 (disodium;4-[4-
3 [acetyl(methyl)amino]-2-sulfonatoanilino]-1-
4 amino-9,10-dioxoanthracene-2-sulfonate) (CAS
5 No. 72152–54–6) (provided for in subheading
6 3204.12.20)” ; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (114) SANODAL DEEP BLACK HBL.—Heading
10 9902.08.19 is amended—

11 (A) by amending the article description to
12 read as follows: “Tetrasodium [7-amino-3-[(3-
13 chloro-2-hydroxy-5-nitrophenyl)azo]-4-hydroxy
14 -2-naphthalenesulfonato(3-)] [6-amino-4- hy-
15 droxy-3-[(2-hydroxy-5-nitro-3-sulfophenyl)azo]-
16 2-naphthalene-sulfonato(4-)]-chromate(4-)
17 (Sanodal Deep Black HBL) (CAS No. 184719–
18 87–7) (provided for in subheading
19 3204.12.45)” ; and

20 (B) by striking “12/31/2020” and insert-
21 ing “12/31/2023”.

22 (115) ACID RED 182.—Heading 9902.08.20 is
23 amended—

24 (A) by amending the article description to
25 read as follows: “Acid Red 182 (sodium [4-(hy-

1 droxy-κO)-3-{[2- (hydroxy-κO)-1-
2 naphthyl]diazenyl}benzenesulfon- amidato(2-
3)][4-hydroxy-3-{[2-(hydroxy-κO)-1-
4 naphthyl]diazenyl}ben- zenesulfonamidato(2-
5)]cobaltate(1-)) (CAS No. 58302-43-5) (pro-
6 vided for in subheading 3204.12.45)”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (116) ACID ORANGE 67.—Heading 9902.08.21
10 is amended—

11 (A) by amending the article description to
12 read as follows: “Sodium 4-({3-[(E)-(2-methyl-
13 4-{{(4-methylphenyl)sulfonyl
14 oxy}phenyl)diazenyl]phenyl}amino)-3-
15 nitrobenzenesulfonate (Acid Orange 67) (CAS
16 No. 12220-06-3) (provided for in subheading
17 3204.12.45)”; and

18 (B) by striking “12/31/2020” and insert-
19 ing “12/31/2023”.

20 (117) ACID BLUE 324.—Heading 9902.08.22 is
21 amended—

22 (A) by amending the article description to
23 read as follows: “Sodium 4-[(3-
24 acetamidophenyl)amino]-1-amino-9,10- dioxo-
25 9,10-dihydro-2-anthracenesulfonate (Acid Blue

1 324) (CAS No. 70571–81–2) (provided for in
2 subheading 3204.12.45)”; and

3 (B) by striking “12/31/2020” and insert-
4 ing “12/31/2023”.

5 (118) ACID BLUE 171.—Heading 9902.08.23 is
6 amended—

7 (A) by amending the article description to
8 read as follows: “Acid Blue 171 (sodium [6-
9 (amino-κN)-5-[2-[2-(hydroxy-κO)-4-
10 nitrophenyl]diazanyl-κN1]-N-methyl-2-
11 naphthalenesulfonamidato(2-)] [6-(amino-κN)-5-
12 [2-[2-(hydroxy-κO)-4-nitro- phenyl]diazanyl-
13 κN1]-2-naphthalenesulfonato(3-)]-Cobaltate(2-)
14 (1:2) (1:2)) (CAS No. 75314–27–1) (provided
15 for in subheading 3204.12.45)”; and

16 (B) by striking “12/31/2020” and insert-
17 ing “12/31/2023”.

18 (119) MIXTURES OF ACID BLACK 220A AND
19 ACID BLACK 220 B.—Heading 9902.08.24 is amend-
20 ed—

21 (A) by amending the article description to
22 read as follows: “Mixtures of Acid Black 220 A
23 (chromate(2-), [3-hydroxy-4-[(2- hydroxy-1-
24 naphthalenyl)azo]-7-nitro-1-
25 naphthalenesulfonato(3-)] [1-[(2-hydroxy-5-

1 nitrophenyl)azo]-2-naphthalenolato(2-)]-, lith-
2 ium sodium) (CAS No. 85828-76-8) and Acid
3 Black 220 B (chromate(2-), [3-hydroxy-4-[(2-
4 hydroxy-1- naphthalenyl)azo]-7-nitro-1-
5 naphthalenesulfonato(3-)] [N-[7-hydroxy-8-[(2-
6 hydroxy-5-nitrophenyl)azo]-1-
7 naphthalenyl]acetamidato(2-)]-, lithium sodium)
8 (CAS No. 85828-75-7) (provided for in sub-
9 heading 3204.12.45)”; and

10 (B) by striking “12/31/2020” and insert-
11 ing “12/31/2023”.

12 (120) ACID RED 87 (EOSINE DISODIUM SALT).—
13 Heading 9902.08.25 is amended—

14 (A) by amending the article description to
15 read as follows: “Acid Red 87 (eosine disodium
16 salt) (disodium 2-(2,4,5,7-tetrabromo-6-oxido-3-
17 oxoxanthen-9-yl)benzoate) (CAS No. 17372-
18 87-1) (provided for in subheading
19 3204.12.50)”; and

20 (B) by striking “12/31/2020” and insert-
21 ing “12/31/2023”.

22 (121) ACID BLUE 80.—Heading 9902.08.27 is
23 amended—

24 (A) by amending the article description to
25 read as follows: “Acid Blue 80 (disodium 3,3’-

1 [(9,10-dioxo-9,10-dihydroanthra- cene-1,4-
2 diyl)diimino]bis(2,4,6-trimethyl-
3 benzenesulfonate) (CAS No. 4474–24–2) (pro-
4 vided for in subheading 3204.12.50)”; and

5 (B) by striking “12/31/2020” and insert-
6 ing “12/31/2023”.

7 (122) BASIC YELLOW 40 DYE.—Heading
8 9902.08.29 is amended—

9 (A) by amending the article description to
10 read as follows: “Basic Yellow 40 (2-[7-
11 (diethylamino)-2-oxo-2H-chromen- 3-yl]-1,3-di-
12 methyl-1H-3,1-benzimidazol-3-ium chloride)
13 (CAS No. 29556–33–0) (provided for in sub-
14 heading 3204.13.10)”; and

15 (B) by striking “12/31/2020” and insert-
16 ing “12/31/2023”.

17 (123) BASIC RED 1:1.—Heading 9902.08.31 is
18 amended—

19 (A) by amending the article description to
20 read as follows: “Basic Red 1:1 (3,6-bis
21 (ethylamino)-9-[2-(methoxycarbonyl) phenyl]-
22 2,7-dimethylxanthenium chloride) (CAS No.
23 3068–39–1) (provided for in subheading
24 3204.13.80)”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (124) DIRECT BLUE 71.—Heading 9902.08.35
4 is amended—

5 (A) by amending the article description to
6 read as follows: “Direct Blue 71 (tetrasodium
7 3-[(E)-{4-[(E)-{4-[(E)-(6-amino-1-hydroxy-3-
8 sulfonato-2-naphthyl) diazenyl]-6-sulfonato-1-
9 naphthyl} diazenyl]-1-naphthyl} diazenyl]-1,5-
10 naphthalenedisulfonate) (CAS No. 4399-55-7)
11 (provided for in subheading 3204.14.50)”; and

12 (B) by striking “12/31/2020” and insert-
13 ing “12/31/2023”.

14 (125) DIRECT BLUE 279.—Heading 9902.08.36
15 is amended—

16 (A) by amending the article description to
17 read as follows: “Direct Blue 279 (4-N-(5,8-
18 dimethoxy-2,4-dimethylquinolin-6-yl)-1-N,1-N-
19 diethylpentane- 1,4-diamine) (CAS No. 72827-
20 89-5) (provided for in subheading
21 3204.14.50)”; and

22 (B) by striking “12/31/2020” and insert-
23 ing “12/31/2023”.

24 (126) DIRECT VIOLET 51.—Heading
25 9902.08.37 is amended—

1 (A) by amending the article description to
2 read as follows: “Disodium 7-anilino-3-[(E)-{4-
3 [(E)-(2,4-dimethyl-6-sulfonatophenyl) diazenyl]-
4 2-methoxy-5-methylphenyl} diazenyl]-4-hy-
5 droxy-2-naphthalenesulfonate (Direct Violet 51)
6 (CAS No. 5489-77-0) (provided for in sub-
7 heading 3204.14.50)”; and

8 (B) by striking “12/31/2020” and insert-
9 ing “12/31/2023”.

10 (127) DIRECT VIOLET 9 CRUDE.—Heading
11 9902.08.38 is amended—

12 (A) by amending the article description to
13 read as follows: “Disodium 7-anilino-4-hydroxy-
14 3-({2-methoxy-5-methyl-4-[(4-sulfonatophenyl)
15 diazenyl] phenyl} diazenyl)-2-
16 naphthalenesulfonate (Direct Violet 9) (CAS
17 No. 6227-14-1) (provided for in subheading
18 3204.14.50)”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (128) VAT RED 15.—Heading 9902.08.41 is
22 amended—

23 (A) by amending the article description to
24 read as follows: “Vat Red 15
25 (bisbenzimidazo[2,1-b:1',2'-

1 j]benzo[lmn][3,8]phenanthroline-6,9-dione)
2 (CAS No. 4216–02–8) (provided for in sub-
3 heading 3204.15.30)”; and

4 (B) by striking “12/31/2020” and insert-
5 ing “12/31/2023”.

6 (129) VAT BLUE 66.—Heading 9902.08.42 is
7 amended—

8 (A) by amending the article description to
9 read as follows: “Vat Blue 66 (9,10-
10 anthracenedione,1,1'-[(6-phenyl- 1,3,5-triazine-
11 2,4-diyl)diimino]bis(3''-acetyl-4-amino-)) (CAS
12 No. 32220–82–9) (provided for in subheading
13 3204.15.30)”; and

14 (B) by striking “12/31/2020” and insert-
15 ing “12/31/2023”.

16 (130) REACTIVE BLUE 19.—Heading
17 9902.08.48 is amended—

18 (A) by amending the article description to
19 read as follows: “Reactive Blue 19 (Disodium
20 1-amino-9,10-dioxo-4-[(3-{[2-
21 (sulfonatoxy)ethyl] sulfonyl} phenyl) amino]-
22 9,10-dihydro-2-anthracenesulfonate) (CAS No.
23 2580–78–1) (provided for in subheading
24 3204.16.20)”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (131) MIXTURES OF REACTIVE BLUE 19 AND
4 REACTIVE BLUE 187.—Heading 9902.08.50 is
5 amended—

6 (A) by amending the article description to
7 read as follows: “Mixtures of Reactive Blue 19
8 (1-amino-9,10-dihydro-9,10-dioxo-4-[[3-[[2-
9 (sulfooxy)ethyl]sulfonyl] phenyl] amino]-2-
10 anthracenesulfonic acid, sodium salt (1:2))
11 (CAS No. 2580-78-1) and Reactive Blue 187
12 (1,1'-[(6,13-dichloro-4,11-disulfo-3,10-
13 triphenodioxazinediyl) bis [imino-2,1-
14 ethanediylimino[6-[(2,5-disulfophenyl) amino]-
15 1,3,5-triazine-4,2-diyl]]] bis [3-carboxy-,
16 bis(inner salt), hexasodium salt) (CAS No.
17 79771-28-1) (provided for in subheading
18 3204.16.30)”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (132) REACTIVE BLUE FC75311.—Heading
22 9902.08.51 is amended—

23 (A) by amending the article description to
24 read as follows: “Reactive Blue FC75311 (so-
25 dium [2-[2-[[2-[3-[[4-fluoro-6-[phenyl[2-[[2-

1 (sulfooxy) ethyl]sulfonyl] ethyl]amino]-1,3,5-
2 triazin-2-yl]amino]-2-(hydroxy-κO)-5-
3 sulfophenyl] diazenyl-κN] phenylmethyl]
4 diazenyl-κN]-4-sulfobenzoato (6-)-κO]-
5 cuprate(4-) (CAS No. 156830-72-7) (provided
6 for in subheading 3204.16.30)”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (133) REACTIVE YELLOW F00-0155.—Heading
10 9902.08.52 is amended—

11 (A) by amending the article description to
12 read as follows: “Reactive Yellow F00-0155
13 (1H-xantheno[2,1,9-def]isoquinoline-5,9-
14 disulfonic acid, 2,3-dihydro-1,3-dioxo-2-[3-[[2-
15 (sulfooxy)ethyl]sulfonyl]phenyl]-, potassium so-
16 dium salt (1:?:?)) (CAS No. 1309975-18-5)
17 (provided for in subheading 3204.16.30)”; and

18 (B) by striking “12/31/2020” and insert-
19 ing “12/31/2023”.

20 (134) MIXTURES OF REACTIVE RED 198 AND
21 REACTIVE RED 239.—Heading 9902.08.53 is amend-
22 ed—

23 (A) by amending the article description to
24 read as follows: “Mixtures of Reactive Red 198
25 (5-[[4-chloro-6-[(3-sulfophenyl) amino]-1,3,5-

1 triazin-2-yl] amino]-4-hydroxy-3-[[4-[[2-
2 (sulfoxy)ethyl] sulfonyl]phenyl]azo]-2,7-
3 naphthalenedisulfonic acid, sodium salt (1:?)
4 (CAS No. 78952-61-1) and Reactive Red 239
5 (2-[2-[8-[[4-chloro-6-[[4-[[2-(sulfoxy)ethyl]
6 sulfonyl] phenyl]amino]-1,3,5-triazin-2-
7 yl]amino]-1-hydroxy-3,6- disulfo-2-
8 naphthalenyl]diazenyl]-1,5-
9 naphthalenedisulfonic acid, sodium salt (1:5))
10 (CAS No. 89157-03-9) (provided for in sub-
11 heading 3204.16.30)”; and

12 (B) by striking “12/31/2020” and insert-
13 ing “12/31/2023”.

14 (135) REACTIVE BLUE 187.—Heading
15 9902.08.54 is amended—

16 (A) by amending the article description to
17 read as follows: “Reactive Blue 187 (1,1’-
18 [(6,13-dichloro-4,11-disulfo-3,10-
19 triphenodioxazinediyl) bis [imino-2,1-
20 ethanediylimino [6-[(2,5-disulfophenyl) amino]-
21 1,3,5-triazine-4,2-diyl]]] bis [3-
22 carboxylatopyridinium], dihydroxide, bis (inner
23 salt), hexasodium salt) (CAS No. 79771-28-1)
24 (provided for in subheading 3204.16.30)”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (136) REACTIVE ORANGE 131.—Heading
4 9902.08.55 is amended—

5 (A) by amending the article description to
6 read as follows: “Reactive Orange 131 (2,4-
7 diamino-3-[4-(2-sulfoxyethylsulfonyl)-phenylazo]
8 -5-[4-(2-sulfoxyethylsulfonyl)-2-sulfophenylazo]-
9 benzenesulfonic acid, potassium sodium salt)
10 (CAS No. 187026–95–5) (provided for in
11 3204.16.30)”; and

12 (B) by striking “12/31/2020” and insert-
13 ing “12/31/2023”.

14 (137) REACTIVE BLACK 5.—Heading
15 9902.08.56 is amended—

16 (A) by amending the article description to
17 read as follows: “Reactive Black 5 (tetrasodium
18 4-amino-5-hydroxy-3,6-bis [(4-{[2-
19 (sulfonatoxy)ethyl] sulfonyl} phenyl)diazenyl]-
20 2,7-naphthalenedisulfonate) (CAS No. 17095–
21 24–8) (provided for in subheading
22 3204.16.50)”; and

23 (B) by striking “12/31/2020” and insert-
24 ing “12/31/2023”.

1 (138) COPPER PHTHALOCYANINE
2 MONOSULFONATE.—Heading 9902.08.60 is amend-
3 ed—

4 (A) by amending the article description to
5 read as follows: “Copper phthalocyanine
6 monosulfonate (hydrogen [29H,31H-
7 phthalocyaninesulphonato (3-)-N29, N30, N31,
8 N32]cuprate(1-)), not ready for use as pigment
9 (CAS No. 28901–96–4) (provided for in sub-
10 heading 3204.17.60)”; and

11 (B) by striking “12/31/2020” and insert-
12 ing “12/31/2023”.

13 (139) PIGMENT INTERMEDIATE.—Heading
14 9902.08.62 is amended—

15 (A) by amending the article description to
16 read as follows: “Mixture of nonchlorinated cop-
17 per phthalocyanine blue crude not ready for use
18 as pigment (CAS No. 147–14–8) (30–40 per-
19 cent by weight) and chlorinated copper
20 phthalocyanine blue crude not ready for use as
21 pigment (CAS No. 68987–63–3) (60–70 per-
22 cent by weight) (provided for in subheading
23 3204.17.60)”; and

24 (B) by striking “12/31/2020” and insert-
25 ing “12/31/2023”.

1 (140) COPPER PHTHALOCYANINE GREEN 7.—
2 Heading 9902.08.63 is amended—

3 (A) by amending the article description to
4 read as follows:
5 “[1,2,3,4,8,9,10,11,15,16,17,18,22,23,25-
6 Pentadecachloro-29,31-dihydro-5H, 26H-
7 phthalocyaninato (2-) -κ² N29, N31] copper
8 (CAS No. 1328–53–6) (provided for in sub-
9 heading 3204.17.90)”; and

10 (B) by striking “12/31/2020” and insert-
11 ing “12/31/2023”.

12 (141) COPPERCHLORO PCN CRUDE FOR PIG-
13 MENT MAKING.—Heading 9902.08.64 is amended—

14 (A) by amending the article description to
15 read as follows: “Copper chlorophthalocyanine,
16 crude not ready for use as pigment (CAS No.
17 12239–87–1) (provided for in subheading
18 3204.17.90)”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (142) SOLVENT YELLOW 160:1.—Heading
22 9902.08.66 is amended—

23 (A) by amending the article description to
24 read as follows: “Solvent Yellow 160:1 (3-(5-
25 chloro-1,3-benzoxazol-2-yl)-7-

1 (diethylamino)chromen-2-one) (CAS No.
2 35773-43-4) (provided for in subheading
3 3204.19.11)”; and

4 (B) by striking “12/31/2020” and insert-
5 ing “12/31/2023”.

6 (143) SOLVENT BLUE 104.—Heading
7 9902.08.70 is amended—

8 (A) by amending the article description to
9 read as follows: “Solvent Blue 104 (1,4-
10 bis(mesitylamino)-9,10-anthraquinone) (CAS
11 No. 116-75-6) (provided for in subheading
12 3204.19.20)”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (144) MONO OR DIPHthalIMIDO METHYL COP-
16 PER PHTHALOCYANINE.—Heading 9902.08.82 is
17 amended—

18 (A) by amending the article description to
19 read as follows: “Mono or diphtalimido methyl
20 copper phthalocyanine ([2-(29H, 31H-
21 phthalocyaninylmethyl) -1H -isoindole-1,3 (2H)-
22 dionato (2-)-N29, N30, N31, N32] copper)
23 (CAS No. 42739-64-0) (provided for in sub-
24 heading 3204.19.50)”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (145) SOLUBILIZED SULPHUR BLACK 1.—Head-
4 ing 9902.08.83 is amended—

5 (A) by amending the article description to
6 read as follows: “Solubilized Sulphur Black 1
7 (CAS No. 1326–83–6) (provided for in sub-
8 heading 3204.19.50)”; and

9 (B) by striking “12/31/2020” and insert-
10 ing “12/31/2023”.

11 (146) PHTHALOCYANINE BLUE ADDITIVE.—
12 Heading 9902.08.86 is amended—

13 (A) by amending the article description to
14 read as follows: “N, N-Dimethyl-N-octadecyl-1-
15 octadecanaminium-(Sp-4-2)- [29H, 31H-
16 phthalocyanine-2- sulfonato- N29, N30,N31,
17 N32] cuprate (phthalocyanine blue additive)
18 (CAS No. 70750–63–9) (provided for in sub-
19 heading 3204.90.00)”; and

20 (B) by striking “12/31/2020” and insert-
21 ing “12/31/2023”.

22 (147) PIGMENT YELLOW 184.—Heading
23 9902.08.89 is amended—

24 (A) by amending the article description to
25 read as follows: “Pigment Yellow 184 (bismuth

1 vanadium oxide) (CAS No. 14059–33–7) (pro-
2 vided for in subheading 3206.49.60)”; and

3 (B) by striking “12/31/2020” and insert-
4 ing “12/31/2023”.

5 (148) POLYMERIC WETTING AGENT.—Heading
6 9902.09.11 is amended—

7 (A) by amending the article description to
8 read as follows: “Mixtures of 1-butanol (CAS
9 No. 71–36–3); 1-propoxy-2-propanol (mixed iso-
10 mers) (CAS No. 1569–01–3); siloxanes and sili-
11 cones, dimethyl, 3-hydroxypropyl methyl,
12 ethoxylated propoxylated (CAS No. 68937–55–
13 3); 2-methyloxirane, oxirane, 3-prop-2-
14 enoxyprop-1-ene (CAS No. 9041–33–2); urea,
15 polymer with formaldehyde, methylated (CAS
16 No. 68071–45–4); 2-propanol (CAS No. 67–
17 63–0); 2-amino-2-methyl-1-propanol (CAS No.
18 124–68–5); 2-methyl-2-(methylamino)-1-pro-
19 panol (CAS No. 27646–80–6); methanol (CAS
20 No. 67–56–1) and water (CAS No. 7732–18–5)
21 (provided for in subheading 3402.19.50)”; and

22 (B) by striking “12/31/2020” and insert-
23 ing “12/31/2023”.

24 (149) PARTY POPPER.—Heading 9902.09.15 is
25 amended—

1 (A) by amending the article description to
2 read as follows: “Party poppers (Class 1.4G)
3 (provided for in subheading 3604.90.00)”;

4 (B) by striking “12/31/2020” and insert-
5 ing “12/31/2023”.

6 (150) β -CYFLUTHRIN FORMULATIONS.—Head-
7 ing 9902.09.19 is amended—

8 (A) by amending the article description to
9 read as follows: “Product mixtures containing
10 (RS)- α -cyano-4-fluoro-3-phenoxybenzyl
11 (1RS,3RS,1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-
12 dimethylecyclopropanecarboxylate (β -Cyfluthrin)
13 (CAS No. 68359–37–5) (provided for in sub-
14 heading 3808.91.25)”;

15 (B) by striking “12/31/2020” and insert-
16 ing “12/31/2023”.

17 (151) IMIDACLOPRID AND β -CYFLUTHRIN FOR-
18 MULATIONS.—Heading 9902.09.21 is amended—

19 (A) by amending the article description to
20 read as follows: “Product mixtures containing
21 1-(6-chloro-3-pyridinyl)methyl-N-
22 nitroimidazolidin-2-ylideneamine (Imidacloprid)
23 (CAS No. 138261–41–3) and (RS)- α -cyano-4-
24 fluoro-3-phenoxybenzyl (1RS, 3RS;1RS, 3SR)-
25 3-(2,2-dichlorovinyl)-2,2-

1 dimethylcyclopropanecarboxylate (β -Cyfluthrin)
2 (CAS No. 68359–37–5) (provided for in sub-
3 heading 3808.91.25)”; and

4 (B) by striking “12/31/2020” and insert-
5 ing “12/31/2023”.

6 (152) ACEQUINOCYL.—Heading 9902.09.28 is
7 amended—

8 (A) by amending the article description to
9 read as follows: “Mixtures of 3-dodecyl-1,4-
10 dioxo-1,4-dihydronaphthalen-2-yl acetate (CAS
11 No. 57960–19–7) (Acequinocyl) and application
12 adjuvants (provided for in subheading
13 3808.91.25)”; and

14 (B) by striking “12/31/2020” and insert-
15 ing “12/31/2023”.

16 (153) GAMMA-CYHALOTHRIN FORMULATIONS.—
17 Heading 9902.09.30 is amended—

18 (A) by amending the article description to
19 read as follows: “Mixtures containing Cyano (3-
20 phenoxyphenyl) methyl 3-[(1Z)-2-chloro-3,3,3-
21 trifluoro-1-propen-1-yl] -2,2-
22 dimethylcyclopropanecarboxylate (gamma-
23 cyhalothrin) and application adjuvants (CAS
24 No. 76703–62–3) (provided for in subheading
25 3808.91.25)”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (154) AZADIRACHTIN.—Heading 9902.09.33 is
4 amended—

5 (A) by amending the article description to
6 read as follows: “Mixtures containing dimethyl
7 (2aR,3S,4S,4aR,5S,7aS,8S,10R,10aS, 10bR)-
8 10-acetoxy-3,5-dihydroxy-4[(1aR, 2S, 3aS, 6aS,
9 7S, 7aS)-6a-hydroxy-7a-methyl-3a,6a,7,7a-
10 tetrahydro-2,7-methanofuro [2,3-b]
11 oxireno[e]oxepin-1a(2H)-yl]-4-methyl-8-{[(2E)-
12 2-methylbut-2-enoyl] oxy} octahydro-1H-
13 naphtho [1,8a-c:4,5-b’c’] difuran-5,10a (8H)-
14 dicarboxylate (Azadirachtin) (CAS No. 11141–
15 17–6) (provided for in subheading
16 3808.91.50)”;

17 (B) by striking “12/31/2020” and insert-
18 ing “12/31/2023”.

19 (155) INSECTICIDES, AROMATIC OR MODIFIED
20 AROMATIC.—Heading 9902.09.38 is amended—

21 (A) by amending the article description to
22 read as follows: “Mixtures of 1-methyl-2-nitro-
23 3-(oxolan-3-ylmethyl)guanidine (Dinotefuran)
24 (CAS No. 165252–70–0) with application adju-

1 vants (provided for in subheading
2 3808.91.50)”; and

3 (B) by striking “12/31/2020” and insert-
4 ing “12/31/2023”.

5 (156) METALAXYL, PENFLUFEN, AND
6 PROTHIOCONAZOLE FUNGICIDES.—Heading
7 9902.09.40 is amended—

8 (A) by amending the article description to
9 read as follows: “Product mixtures containing
10 methyl N-(2-methoxyacetyl)-N-(2,6-xylyl)-DL-
11 alaninate (Metalaxyl) (CAS No. 57837–19–1),
12 5-fluoro-1,3-dimethyl-N-[2-(4-methylpentan-2-
13 yl) phenyl] -1H-pyrazole-4-carboxamide
14 (Penflufen) (CAS No. 494793–67–8) and 2-
15 [(2RS)-2-(1-chlorocyclopropyl)-3-(2-
16 chlorophenyl)-2-hydroxypropyl]-2H-1,2,4-tri-
17 azole-3(4H)-thione (Prothioconazole) (CAS No.
18 178928–70–6) (provided for in subheading
19 3808.92.15)”; and

20 (B) by striking “12/31/2020” and insert-
21 ing “12/31/2023”.

22 (157) FLUOXASTROBIN FORMULATIONS.—
23 Heading 9902.09.41 is amended—

24 (A) by amending the article description to
25 read as follows: “Product mixtures containing

1 (E)-{2-[6-(2-chlorophenoxy)-5-fluoropyrimidin-
2 4-yloxy] phenyl} (5,6-dihydro-1,4,2-dioxazin-3-
3 yl) methanone O-methyloxime (Fluoxastrobin)
4 (CAS No. 361377–29–9) (provided for in sub-
5 heading 3808.92.15)”; and

6 (B) by striking “12/31/2020” and insert-
7 ing “12/31/2023”.

8 (158) FLUOPYRAM AND TEBUCONAZOLE FOR-
9 MULATIONS.—Heading 9902.09.48 is amended—

10 (A) by amending the article description to
11 read as follows: “Product mixtures containing
12 N-{2-[3-chloro-5-(trifluoromethyl)-2-
13 pyridinyl]ethyl}-2-(trifluoromethyl) benzamide
14 (Fluopyram) (CAS No. 658066–35–4) and 1-
15 (4-chlorophenyl)-4,4-dimethyl-3-(1H-1,2,4-
16 triazol-1-ylmethyl) pentan-3-ol (Tebuconazole)
17 (CAS No. 107534–96–3) (provided for in sub-
18 heading 3808.92.15)”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (159) TRIFLOXYSTROBIN AND TEBUCONAZOLE
22 FORMULATIONS.—Heading 9902.09.53 is amend-
23 ed—

24 (A) by amending the article description to
25 read as follows: “Product mixtures containing

1 methyl (E)-methoxyimino-[(E)-2-[1-(α,α,α -
2 trifluoro-m-tolyl) ethylideneaminoxy]-o-
3 tolyl}acetate (Trifloxystrobin) (CAS No.
4 141517-21-7) and (RS)-1-p-chlorophenyl-4,4-
5 dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)
6 pentan-3-ol (Tebuconazole) (CAS No. 107534-
7 96-3) (provided for in subheading
8 3808.92.15)”; and

9 (B) by striking “12/31/2020” and insert-
10 ing “12/31/2023”.

11 (160) FLUOPYRAM + PYRIMETHANIL FORMU-
12 LATIONS.—Heading 9902.09.54 is amended—

13 (A) by amending the article description to
14 read as follows: “Product mixtures containing
15 N-[2-[3-chloro-5-(trifluoromethyl)pyridin-2-
16 yl]ethyl]-2-(trifluoromethyl) benzamide
17 (Fluopyram) (CAS No. 658066-35-4) and 4,6-
18 dimethyl-N-phenyl-2-pyrimidinamine
19 (Pyrimethanil) (CAS No. 53112-28-0) (pro-
20 vided for in subheading 3808.92.15)”; and

21 (B) by striking “12/31/2020” and insert-
22 ing “12/31/2023”.

23 (161) FLUOPYRAM AND TRIFLOXYSTROBIN
24 FORMULATIONS.—Heading 9902.09.55 is amend-
25 ed—

1 (A) by amending the article description to
2 read as follows: “Product mixtures containing
3 N-[2-[3-chloro-5-(trifluoromethyl)pyridin-2-
4 yl]ethyl]-2-(trifluoromethyl) benzamide
5 (Fluopyram) (CAS No. 658066–35–4) and
6 methyl (E)-methoxyimino-{(E)-2-[1-(α,α,α -
7 trifluoro-m-tolyl) ethylideneaminoxy]-o-tolyl}
8 acetate (Trifloxystrobin) (CAS No. 141517–21–
9 7) (provided for in subheading 3808.92.15)”;
10 and

11 (B) by striking “12/31/2020” and insert-
12 ing “12/31/2023”.

13 (162) TRIFLOXYSTROBIN FORMULATIONS.—
14 Heading 9902.09.57 is amended—

15 (A) by amending the article description to
16 read as follows: “Product mixtures containing
17 methyl (2E)-(methoxyimino)[2-({[(E)-{1-[3-
18 (trifluoromethyl) phenyl] ethyl-
19 idene}amino]oxy}methyl)phenyl]acetate
20 (Trifloxystrobin) (CAS No. 141517–21–7) (pro-
21 vided for in subheading 3808.92.15)”; and

22 (B) by striking “12/31/2020” and insert-
23 ing “12/31/2023”.

1 (163) FLUOPYRAM AND PROTHIOCONAZOLE
2 FORMULATIONS.—Heading 9902.09.58 is amend-
3 ed—

4 (A) by amending the article description to
5 read as follows: “Product mixtures containing
6 N-[2-[3-chloro-5-(trifluoromethyl)pyridin-2-
7 yl]ethyl]-2-(trifluoromethyl) benzamide
8 (Fluopyram) (CAS No. 658066–35–4) and
9 (RS)-2-[2-(1-chlorocyclopropyl)-3-(2-
10 chlorophenyl)-2-hydroxypropyl] -2,4-dihydro-
11 1,2,4-triazole-3-thione (Prothioconazole) (CAS
12 No. 178928–70–6) (provided for in subheading
13 3808.92.15)”; and

14 (B) by striking “12/31/2020” and insert-
15 ing “12/31/2023”.

16 (164) PROTHIOCONAZOLE FORMULATIONS.—
17 Heading 9902.09.59 is amended—

18 (A) by amending the article description to
19 read as follows: “Product mixtures containing
20 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-
21 hydroxypropyl] -1,2-dihydro-3H-1,2,4-triazole-
22 3-thione (Prothioconazole) (CAS No. 178928–
23 70–6) (provided for in subheading
24 3808.92.15)”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (165) FLUOPYRAM FORMULATIONS.—Heading
4 9902.09.61 is amended—

5 (A) by amending the article description to
6 read as follows: “Mixtures of N-[2-[3-chloro-5-
7 (trifluoromethyl) pyridin-2-yl]ethyl]-2-
8 (trifluoromethyl) benzamide (Fluopyram) (CAS
9 No. 658066–35–4) (provided for in subheading
10 3808.92.15)”;

11 (B) by striking “12/31/2020” and insert-
12 ing “12/31/2023”.

13 (166) FLUOPYRAM AND IMIDACLOPRID FORMU-
14 LATIONS.—Heading 9902.09.62 is amended—

15 (A) by amending the article description to
16 read as follows: “Mixtures of N-[2-[3-chloro-5-
17 (trifluoromethyl) pyridin-2-yl]ethyl]-2-
18 (trifluoromethyl) benzamide (Fluopyram) (CAS
19 No. 658066–35–4) and N-[1-[(6-chloropyridin-
20 3-yl)methyl]-4,5-dihydroimidazol-2-yl] nitramide
21 (Imidacloprid) (CAS No. 138261–41–3) (pro-
22 vided for in subheading 3808.92.15)”;

23 (B) by striking “12/31/2020” and insert-
24 ing “12/31/2023”.

1 (167) IPRADIONE AND TRIFLOXYSTROBIN FOR-
2 MULATIONS.—Heading 9902.09.70 is amended—

3 (A) by amending the article description to
4 read as follows: “Mixtures containing 3-(3,5-
5 dichlorophenyl)-N-isopropyl-2,4-dioxo-1-
6 imidazolidinecarboxamide (Iprodione) (CAS No.
7 36734–19–7) and methyl (2E)-(methoxyimino)
8 [2-({[(E)-{1-[3-(trifluoromethyl)
9 phenyl]ethylidene}amino]oxy}methyl)phenyl]
10 acetate (Trifloxystrobin) (CAS No. 141517–21–
11 7) (provided for in subheading 3808.92.15)”;
12 and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (168) TETRACONAZOLE AND AZOXYSTROBIN.—
16 Heading 9902.09.71 is amended—

17 (A) by amending the article description to
18 read as follows: “Mixtures of 1-[2-(2,4-
19 dichlorophenyl)-3-(1,1,2,2-tetrafluoroethoxy)-
20 propyl]-1H-1,2,4-triazole (Tetraconazole) (CAS
21 No. 112281–77–3), methyl (2E)-2-(2-{[6-(2-
22 cyanophenoxy)-4-pyrimidinyl]oxy}phenyl)-3-
23 methoxyacrylate (Azoxystrobin) (CAS No.
24 131860–33–8) and application adjuvants (pro-
25 vided for in subheading 3808.92.15)”;

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (169) MIXTURES OF AT LEAST 95 PERCENT BY
4 WEIGHT ALLYL ISOTHIOCYANATE AND APPLICATION
5 ADJUVANTS.—Heading 9902.09.75 is amended—

6 (A) by amending the article description to
7 read as follows: “Mixtures of at least 95 per-
8 cent by weight allyl isothiocyanate (3-
9 isothiocyanato-1-propene) (CAS No. 57–06–7),
10 and application adjuvants (provided for in sub-
11 heading 3808.92.28)”; and

12 (B) by striking “12/31/2020” and insert-
13 ing “12/31/2023”.

14 (170) POLYOXIN D ZINC SALT.—Heading
15 9902.09.79 is amended—

16 (A) by amending the article description to
17 read as follows: “Formulations of zinc 1-
18 {(2R,3R,4S,5R)-5-[(S)-{[(2S,3S,4S)-2-amino-5-
19 carbamoyloxy)-3,4-dihydroxypentanoyl]
20 amino}(carboxylato)methyl]-3,4-
21 dihydroxytetrahydro-2-furanyl}-2,4-dioxo-
22 1,2,3,4-tetrahydro-5-pyrimidinecarboxylate
23 (Polyoxin D zinc salt) (CAS No. 146659–78–1)
24 (provided for in subheading 3808.92.50)”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (171) FORAMSULFURON FORMULATIONS.—
4 Heading 9902.09.87 is amended—

5 (A) by amending the article description to
6 read as follows: “Mixtures of 2-[[[(4,6-
7 dimethoxy-2-
8 pyrimidinyl)amino]carbonyl]amino]sulfonyl]-4-
9 (formylamino)-N,N-dimethylbenzamide
10 (Foramsulfuron) (CAS No. 173159–57–4) and
11 application adjuvants (provided for in sub-
12 heading 3808.93.15)”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (172) INDAZIFLAM AND RIMSULFURON FORMU-
16 LATIONS.—Heading 9902.09.90 is amended—

17 (A) by amending the article description to
18 read as follows: “Product mixtures containing
19 N-[(1R,2S)-2,6-dimethyl-2,3-dihydro-1H-inden-
20 1-yl]-6-[(1R)-1-fluoroethyl] -1,3,5-triazine-2,4-
21 diamine (Indaziflam) (CAS No. 950782–86–2)
22 and N-[(4,6-dimethoxy-2-pyrimidinyl) car-
23 bamoyl] -3-(ethylsulfonyl)-2-
24 pyridinesulfonamide (Rimsulfuron) (CAS No.

1 122931–48–0) (provided for in subheading
2 3808.93.15)”; and

3 (B) by striking “12/31/2020” and insert-
4 ing “12/31/2023”.

5 (173) PACLOBUTRAZOL FORMULATIONS.—
6 Heading 9902.09.92 is amended—

7 (A) by amending the article description to
8 read as follows: “Mixtures of (2RS, 3RS)-1-(4-
9 chlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-
10 1-yl)pentan-3-ol (Paclobutrazol) (CAS No.
11 76738–62–0) and application adjuvants (pro-
12 vided for in subheading 3808.93.15)”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (174) PROSULFURON.—Heading 9902.09.93 is
16 amended—

17 (A) by amending the article description to
18 read as follows: “Mixtures of N-[(4-methoxy-6-
19 methyl-1,3,5-triazin-2-yl)carbamoyl]-2-(3,3,3-
20 trifluoropropyl) benzenesulfonamide
21 (Prosulfuron) (CAS No. 94125–34–5) and ap-
22 plication adjuvants (provided for in subheading
23 3808.93.15)”; and

24 (B) by striking “12/31/2020” and insert-
25 ing “12/31/2023”.

1 (175) MIXTURES OF RIMSULFURON.—Heading
2 9902.10.03 is amended—

3 (A) by amending the article description to
4 read as follows: “Mixtures of N-[[[4,6-
5 dimethoxy-2-pyrimidinyl) amino] carbonyl]-3-
6 (ethylsulfonyl)-2-pyridinesulfonamide
7 (Rimsulfuron) (CAS No. 122931–48–0) and
8 application adjuvants (provided for in sub-
9 heading 3808.93.15)”; and

10 (B) by striking “12/31/2020” and insert-
11 ing “12/31/2023”.

12 (176) CERTAIN HERBICIDES FOR USE ON CERE-
13 ALS.—Heading 9902.10.04 is amended—

14 (A) by amending the article description to
15 read as follows: “Product mixtures containing
16 methyl 4-{{[(3-methoxy-4-methyl-5-oxo-4,5-
17 dihydro-1H-1,2,4-triazol-1-yl)carbonyl] sul-
18 famoyl}-5-methyl-3-thiophenecarboxylate
19 (Thiencarbazone-methyl) (CAS No. 317815–
20 83–1), methyl 2-{{[(4,6-dimethoxy-2-
21 pyrimidinyl) carbamoyl] sulfamoyl}-4-
22 {{[(methylsulfonyl)amino]methyl} benzoate
23 (Mesosulfuron-methyl) (CAS No. 208465–21–
24 8) and diethyl 1-(2,4-dichlorophenyl)-5-methyl-
25 4,5-dihydro-1H-pyrazole -3,5-dicarboxylate

1 (Mefenpyr-diethyl) (CAS No. 135590–91–9)
2 (provided for in subheading 3808.93.15)”; and
3 (B) by striking “12/31/2020” and insert-
4 ing “12/31/2023”.

5 (177) HERBICIDES FOR WEED CONTROL IN
6 GRASSY AREAS.—Heading 9902.10.11 is amended—

7 (A) by amending the article description to
8 read as follows: “Mixtures containing methyl 4-
9 {[(3-methoxy-4-methyl-5-oxo-4,5-dihydro-1H-
10 1,2,4-triazol-1-yl) carbonyl] sulfamoyl}-5-meth-
11 yl-3-thiophenecarboxylate (Thiencarbazone-
12 methyl) (CAS No. 317815–83–1); 2-{[(4,6-
13 Dimethoxy-2-pyrimidinyl) carbamoyl] sul-
14 famoyl}-4-formamido-N,N-dimethylbenzamide
15 (Foramsulfuron) (CAS No. 173159–57–4); and
16 methyl 3-chloro-5-{[(4,6-dimethoxy-2-
17 pyrimidinyl) carbamoyl] sulfamoyl}-1-methyl
18 -1H-pyrazole-4-carboxylate (Halosulfuron-meth-
19 yl) (CAS No. 100784–20–1) and application
20 adjuvants (provided for in subheading
21 3808.93.15).”; and

22 (B) by striking “12/31/2020” and insert-
23 ing “12/31/2023”.

24 (178) MIXTURES OF ORTHOSULFAMURON.—
25 Heading 9902.10.12 is amended—

1 (A) by amending the article description to
2 read as follows: “Mixtures of 1-(4,6-
3 dimethoxypyrimidin-2-yl)-3-[2-
4 dimethylcarbamoyl] phenylsulfamoyl] urea
5 (Orthosulfamuron) (CAS No. 213464–77–8)
6 and application adjuvants (provided for in sub-
7 heading 3808.93.20)”; and

8 (B) by striking “12/31/2020” and insert-
9 ing “12/31/2023”.

10 (179) PROPARGITE MIXTURES.—Heading
11 9902.10.19 is amended—

12 (A) by amending the article description to
13 read as follows: “Mixtures containing 2-[4-(2-
14 methyl-2-propanyl)phenoxy]cyclohexyl 2-propyn-
15 1-yl sulfite (CAS No. 2312–35–8) (Propargite)
16 and application adjuvants (provided for in sub-
17 heading 3808.99.95)”; and

18 (B) by striking “12/31/2020” and insert-
19 ing “12/31/2023”.

20 (180) MIXTURES USED IN RUBBER PRODUC-
21 TION.—Heading 9902.10.28 is amended—

22 (A) by amending the article description to
23 read as follows: “Mixtures of zinc dicyanato
24 diamine ((T-4)-diamminebis(cyanato-κN)-zinc)
25 (CAS No. 122012–52–6) with an elastomer

1 binder of ethylene-propylene-diene monomer
2 and ethyl vinyl acetate, and dispersing agents
3 (provided for in subheading 3812.10.50)”; and

4 (B) by striking “12/31/2020” and insert-
5 ing “12/31/2023”.

6 (181) ANTIDEGRADANTS.—Heading 9902.10.31
7 is amended—

8 (A) by amending the article description to
9 read as follows: “Antioxidizing preparations for
10 rubber consisting of a mixture of 1,3-dihydro-4-
11 methyl-2H-benzimidazole-2-thione and 1,3-
12 dihydro-5-methyl-2H-benzimidazole-2-thione, in
13 the form of zinc salts (CAS No. 61617–00–3)
14 (provided for in subheading 3812.39.60)”; and

15 (B) by striking “12/31/2020” and insert-
16 ing “12/31/2023”.

17 (182) ANTIOXIDIZING PREPARATIONS.—Head-
18 ing 9902.10.32 is amended—

19 (A) by amending the article description to
20 read as follows: “Antioxidizing preparations for
21 plastics containing 2,4-dimethyl-6-(1-
22 methylpentadecyl)phenol (CAS No. 134701–20–
23 5) (provided for in subheading 3812.39.60)”;
24 and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (183) PHENOL, 4-METHYL-, REACTION PROD-
4 UCTS.—Heading 9902.10.35 is amended—

5 (A) by amending the article description to
6 read as follows: “4-Methylphenol-
7 tricyclo[5.2.2.02,6]undecane (1:1) (CAS No.
8 68610–51–5) (provided for in subheading
9 3812.39.60)”; and

10 (B) by striking “12/31/2020” and insert-
11 ing “12/31/2023”.

12 (184) PRODUCT USED IN AGRICULTURAL
13 FILM.—Heading 9902.10.36 is amended—

14 (A) by amending the article description to
15 read as follows: “Hindered amine light and
16 thermal stabilizers for plastics containing 1,6-
17 hexanediamine,N1,N6-bis(2,2,6,6-tetramethyl-4-
18 piperidiny)-, polymer with 2,4,6-trichloro-1,3,5-
19 triazine, reaction products with 3-bromo-1-
20 propene,N-butyl-1-butanamine and N-butyl-
21 2,2,6,6-tetramethyl-4-piperidinamine, oxidized,
22 hydrogenated (CAS No. 247243–62–5) (pro-
23 vided for in subheading 3812.39.90)”; and

24 (B) by striking “12/31/2020” and insert-
25 ing “12/31/2023”.

1 (185) LIGHT STABILIZER/UV-ABSORBER FOR
2 COATINGS.—Heading 9902.10.50 is amended—

3 (A) by amending the article description to
4 read as follows: “Preparations based on N-(2-
5 ethoxyphenyl)-N’-[4-(10-methylundecyl)phenyl]
6 ethanediamide (CAS No. 82493–14–9) (pro-
7 vided for in subheading 3824.99.28)”;

8 (B) by striking “12/31/2020” and insert-
9 ing “12/31/2023”.

10 (186) MIXTURES OF C5–C18
11 PERFLUOROCARBON ALKANES, PERFLUOROCARBON
12 AMINES, AND PERFLUOROCARBON ETHERS.—Head-
13 ing 9902.10.57 is amended—

14 (A) by amending the article description to
15 read as follows: “Mixtures of C5–C18
16 perfluorocarbon alkanes, perfluorocarbon
17 amines, and/or perfluorocarbon ethers (CAS
18 No. 86508–42–1) (provided for in subheading
19 3824.99.92)”;

20 (B) by striking “12/31/2020” and insert-
21 ing “12/31/2023”.

22 (187) METHOXYSILANATED AMORPHOUS POLY
23 ALPHA OLEFIN.—Heading 9902.10.69 is amended—

24 (A) by amending the article description to
25 read as follows: “Silane, ethenyltrimethoxy-, re-

1 action products with 1-butene-ethylene-propene
2 polymer (CAS No. 832150–35–3) (provided for
3 in subheading 3902.30.00)”; and

4 (B) by striking “12/31/2020” and insert-
5 ing “12/31/2023”.

6 (188) ACID FORM DISPERSION.—Heading
7 9902.10.79 is amended—

8 (A) by amending the article description to
9 read as follows: “Poly(1,1,2,2-tetrafluoro-2-
10 [(trifluoroethenyl)oxy]ethanesulfonyl fluoride-
11 co-tetrafluoroethylene) (CAS No. 1163733–25–
12 2) (provided for in subheading 3904.69.50)”;
13 and

14 (B) by striking “12/31/2020” and insert-
15 ing “12/31/2023”.

16 (189) FLUOROPOLYMER LITHIUM SALT POW-
17 DER.—Heading 9902.10.81 is amended—

18 (A) by amending the article description to
19 read as follows: “Poly(1,1,2,2-tetrafluoro-2-
20 [(trifluoroethenyl)oxy]ethanesulfonyl fluoride-
21 co-tetrafluoroethylene) lithium salt (CAS No.
22 1687740–67–5) (provided for in subheading
23 3904.69.50)”; and

24 (B) by striking “12/31/2020” and insert-
25 ing “12/31/2023”.

1 (190) FLUOROPOLYMER, POLYVINYL, AMMO-
2 NIUM SALT.—Heading 9902.10.82 is amended—

3 (A) by amending the article description to
4 read as follows: “Poly(1,1,2,2-tetrafluoro-2-
5 [(trifluoroethenyl)oxy]ethanesulfonyl fluoride-
6 co-tetrafluoroethylene) ammonium salt (CAS
7 No. 1126091–34–6) (provided for in sub-
8 heading 3904.69.50)”; and

9 (B) by striking “12/31/2020” and insert-
10 ing “12/31/2023”.

11 (191) ELECTROACTIVE POLYMER.—Heading
12 9902.10.83 is amended—

13 (A) by amending the article description to
14 read as follows: “1,1,2-Trifluoroethene-1,1-
15 difluoroethene (1:1) (Vinylidene fluoride-
16 trifluoroethylene copolymer) (CAS No. 28960–
17 88–5) (provided for in subheading
18 3904.69.50)”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (192) TERPOLYMER USED IN SENSORS.—Head-
22 ing 9902.10.84 is amended—

23 (A) by amending the article description to
24 read as follows: “Poly(1,1-difluoroethene-co-1-
25 chloro-1,2,2-trifluoroethene-co -1,1,2-

1 trifluoroethene) (CAS No. 81197–12–8) (pro-
2 vided for in subheading 3904.69.50)”; and

3 (B) by striking “12/31/2020” and insert-
4 ing “12/31/2023”.

5 (193) CERTAIN MIXTURE FOR USE IN
6 GREASES.—Heading 9902.10.87 is amended—

7 (A) by amending the article description to
8 read as follows: “Mixture of poly(1-
9 [difluoro(trifluoromethoxy)methoxy]-1,1,2,2-
10 tetrafluoro -2-(trifluoromethoxy)ethane) (CAS
11 No. 69991–61–3) and
12 Perfluoropolymethylisopropyl ether (CAS No.
13 69991–67–9) (provided for in subheading
14 3904.69.50)”; and

15 (B) by striking “12/31/2020” and insert-
16 ing “12/31/2023”.

17 (194) ADDITIVE FOR RUST PREVENTION.—
18 Heading 9902.10.90 is amended—

19 (A) by amending the article description to
20 read as follows: “1-Propene, 1,1,2,3,3,3-
21 Hexafluoro-, oxidized, polymerized, reduced,
22 hydrolized reaction products with ammonia
23 (CAS No. 370097–12–4) (provided for in sub-
24 heading 3904.69.50)”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (195) MOLD RELEASE AGENT.—Heading
4 9902.10.95 is amended—

5 (A) by amending the article description to
6 read as follows: “Ethene, tetrafluoro, oxidized,
7 polymerized, reduced, methyl esters, reduced,
8 ethoxylated (CAS No. 162492–15–1) (provided
9 for in subheading 3904.69.50)”; and

10 (B) by striking “12/31/2020” and insert-
11 ing “12/31/2023”.

12 (196) POLYVINYL FORMAL RESIN.—Heading
13 9902.11.02 is amended—

14 (A) by amending the article description to
15 read as follows: “Polyvinyl formal resin
16 (ethenol; [(ethenyloxy)methoxy]ethene (CAS
17 Nos. 63450–15–7, 63148–64–1, and 9003–33–
18 2) (provided for in subheading 3905.91.10)”;
19 and

20 (B) by striking “12/31/2020” and insert-
21 ing “12/31/2023”.

22 (197) SOIL ENHANCER.—Heading 9902.11.11
23 is amended—

24 (A) by amending the article description to
25 read as follows: “Starch-g-poly (propenamide-

1 co-2-propenoic acid) potassium salt (CAS No.
2 863132–14–3) (provided for in subheading
3 3906.90.50)”; and

4 (B) by striking “12/31/2020” and insert-
5 ing “12/31/2023”.

6 (198) UV LIGHT ABSORBER.—Heading
7 9902.11.12 is amended—

8 (A) by amending the article description to
9 read as follows: “Mixtures of α -(3-(3-(2H-
10 benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-
11 hydroxyphenyl) -1-oxopropyl)- ω -hydroxy-poly
12 (oxy-1,2-ethanediyl) (CAS No. 104810–48–2);
13 α -(3-(3-(2H-benzotriazol-2-yl)-5-(1,1-
14 dimethylethyl)-4-hydroxyphenyl) -1-oxopropyl)-
15 ω - (3-(3-(2H-benzotriazol-2-yl) -5-(1,1-
16 dimethylethyl) -4-hydroxyphenyl) -1-
17 oxopropoxy)-poly (oxy-1,2-ethanediyl) (CAS No.
18 104810–47–1) and polyethylene glycol (CAS
19 No. 25322–68–3) (provided for in subheading
20 3907.20.00)”; and

21 (B) by striking “12/31/2020” and insert-
22 ing “12/31/2023”.

23 (199) HIGH-PERFORMANCE DISPERSANT USE IN
24 CONCRETE.—Heading 9902.11.13 is amended—

1 (A) by amending the article description to
2 read as follows: “Oxirane, 2-methyl-, polymer
3 with oxirane, monoether with 1,2-propanediol
4 mono(2-methyl-2-propenoate) (CAS No.
5 220846–90–2) (provided for in subheading
6 3907.20.00)”;

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (200) HDI-BASED POLYISOCYANATE.—Heading
10 9902.11.49 is amended—

11 (A) by amending the article description to
12 read as follows: “Poly(1,6-diisocyanatohexane)-
13 block-polyethylene-block-poly (1-butoxypropan-
14 2-ol) (CAS No. 125252–47–3) (provided for in
15 subheading 3911.90.90)”;

16 (B) by striking “12/31/2020” and insert-
17 ing “12/31/2023”.

18 (201) IPDI BASED ALIPHATIC
19 POLYISOCYANATE.—Heading 9902.11.50 is amend-
20 ed—

21 (A) by amending the article description to
22 read as follows: “N,N',N''-[(2,4,6-Trioxo-1,3,5-
23 triazine-1,3,5(2H,4H,6H)-triy] tris [meth-
24 ylene(3,5,5-trimethyl-3,1-cyclohexanediyl)] tris
25 [hexahydro-2-oxo-1H-azepine-1-carboxamide]

1 (CAS No. 68975–83–7) in organic solvent (pro-
2 vided for in subheading 3911.90.90)”; and

3 (B) by striking “12/31/2020” and insert-
4 ing “12/31/2023”.

5 (202) HDI BASED ALIPHATIC
6 POLYISOCYANATE.—Heading 9902.11.51 is amend-
7 ed—

8 (A) by amending the article description to
9 read as follows: “3,5-Dimethyl-1H-pyrazole-
10 oligo(hexamethylene diisocyanate) in solvents
11 (CAS No. 163206–31–3) (provided for in sub-
12 heading 3911.90.90)”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (203) STRIPS OF 100% EPTFE SEALANT 3
16 MM<30 MM.—Heading 9902.11.79 is amended—

17 (A) by amending the article description to
18 read as follows: “Strips wholly of expanded
19 poly(tetrafluoroethylene) (PTFE) (CAS No.
20 9002–84–0), noncellular, with adhesive backing,
21 of a thickness greater than 3 mm but not over
22 30 mm, presented rolled in spools, certified by
23 the importer as having a tensile strength of
24 24.1 MPa or higher per ASTM F-152 (provided
25 for in subheading 3916.90.50)”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (204) E-PTFE SHEETS 1.6 MM \leq 3.00 MM FOR
4 SEALANTS.—Heading 9902.11.88 is amended—

5 (A) by amending the article description to
6 read as follows: “Expanded
7 poly(tetrafluoroethylene) (PTFE) nonadhesive
8 cellular sheets, of a thickness greater than 1.5
9 mm but not more than 3 mm, certified by the
10 importer as having a tensile strength of at least
11 48.3 MPa per ASTM F-152 (CAS No. 9002–
12 84–0) (provided for in subheading
13 3921.19.00)”; and

14 (B) by striking “12/31/2020” and insert-
15 ing “12/31/2023”.

16 (205) E-PTFE SHEETS 3.1 MM \leq 6.00 MM FOR
17 SEALANTS.—Heading 9902.11.89 is amended—

18 (A) by amending the article description to
19 read as follows: “Expanded
20 poly(tetrafluoroethylene) (PTFE) nonadhesive
21 cellular sheets, of a thickness greater than 3
22 mm but not more than 6 mm, certified by the
23 importer as having a tensile strength of at least
24 48.3 MPa per ASTM F-152 (CAS No. 9002–

1 84–0) (provided for in subheading
2 3921.19.00)”; and

3 (B) by striking “12/31/2020” and insert-
4 ing “12/31/2023”.

5 (206) PLASTIC HANDLES FOR COOLERS.—
6 Heading 9902.12.02 is amended—

7 (A) by amending the article description to
8 read as follows: “Handles of plastics for coolers
9 (provided for in subheading 3926.90.25)”; and

10 (B) by striking “12/31/2020” and insert-
11 ing “12/31/2023”.

12 (207) GOLF BAG COMPONENT TOP BOTTOM DI-
13 VIDER.—Heading 9902.12.05 is amended—

14 (A) by amending the article description to
15 read as follows: “Plastic components of a kind
16 used as one-piece internal top and bottom divid-
17 ers for golf bags (provided for in subheading
18 3926.90.99)”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (208) PLASTIC LIP FOR DUSTPANS.—Heading
22 9902.12.07 is amended—

23 (A) by amending the article description to
24 read as follows: “Cut-to-shape pieces or profiles
25 of polyvinyl chloride plastics, the foregoing de-

1 signed to be attached to the edge of a dustpan
2 tray having contact with the floor or other sur-
3 face, rigid and flexible in form, each measuring
4 24.77 cm to 30 cm in length and 1.35 cm to
5 1.87 cm in width, valued not over \$0.09 each
6 (provided for in subheading 3926.90.99)”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (209) THREE-WAY CAMERA MOUNTS.—Heading
10 9902.12.11 is amended—

11 (A) by amending the article description to
12 read as follows: “Accessories of plastics for
13 cameras of subheading 8525.80.40, each incor-
14 porating a handheld camera grip, folding exten-
15 sion arms and a tripod screwed into the base of
16 the handle the foregoing measuring between 50
17 and 53 cm when fully extended without the tri-
18 pod, 62 to 65 cm when fully extended with the
19 tripod and 18 to 21 cm when folded and col-
20 lapsed (provided for in subheading
21 3926.90.99)”; and

22 (B) by striking “12/31/2020” and insert-
23 ing “12/31/2023”.

24 (210) BUOYANT PISTOL GRIP CAMERA
25 MOUNTS.—Heading 9902.12.13 is amended—

1 (A) by amending the article description to
2 read as follows: “Accessories of plastics, de-
3 signed for use with cameras of subheading
4 8525.80.40; such goods measuring between 14
5 cm and 17 cm in length, buoyant in water, each
6 incorporating a handle designed to allow a user
7 to grip with the hand, an adjustable hand-strap
8 and an adjustable thumb screw designed to per-
9 mit mounting of the camera and adjusting the
10 viewing angle of the camera on a pivot (pro-
11 vided for in subheading 3926.90.99)”; and

12 (B) by striking “12/31/2020” and insert-
13 ing “12/31/2023”.

14 (211) SUCTION CUP CAMERA MOUNTS.—Head-
15 ing 9902.12.14 is amended—

16 (A) by amending the article description to
17 read as follows: “Mounts of plastics, engineered
18 to attach to cameras of subheading 8525.80.40;
19 designed to attach to flat surfaces by means of
20 a round suction cup measuring between 8 and
21 10 cm in diameter; each incorporating x, y and
22 z-directional pivots to adjust the camera’s view-
23 point (provided for in subheading 3926.90.99)”;
24 and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (212) RUBBER PET TOYS COVERED WITH
4 FELT.—Heading 9902.12.31 is amended—

5 (A) by amending the article description to
6 read as follows: “Toys for pets, of noncellular
7 vulcanized rubber other than hard rubber, each
8 with felt textile covering, without holes (pro-
9 vided for in subheading 4016.99.20)”; and

10 (B) by striking “12/31/2020” and insert-
11 ing “12/31/2023”.

12 (213) CAMERA DIVE HOUSINGS.—Heading
13 9902.12.51 is amended—

14 (A) by amending the article description to
15 read as follows: “Camera cases of transparent
16 polycarbonate plastics, designed to encase cam-
17 eras of subheading 8525.80.40; each incor-
18 porating buttons for the operation of the cam-
19 era, an opaque plastic base that clips into a
20 camera mount, a thumb-screw on the base
21 mount that allows for adjustment of the camera
22 viewing angle on a pivot, a silicon gasket in the
23 door of the case that allows for waterproof op-
24 eration of the camera at a depth of more than
25 40 m but not more than 60 m, a flat and opti-

1 cally coated glass lens and a heat sink to dis-
2 sipate camera heat (provided for in subheading
3 4202.99.90)”; and

4 (B) by striking “12/31/2020” and insert-
5 ing “12/31/2023”.

6 (214) WOVEN FABRIC OF CARDED VICUNA HAIR
7 OF A WEIGHT EXCEEDING 300 G/M².—Heading
8 9902.12.80 is amended—

9 (A) by amending the article description to
10 read as follows: “Woven fabrics of carded vi-
11 cuna hair, containing 85 percent or more by
12 weight of vicuna hair and of a weight exceeding
13 300 g/m² (provided for in subheading
14 5111.19.60)”; and

15 (B) by striking “12/31/2020” and insert-
16 ing “12/31/2023”.

17 (215) WOVEN FABRIC OF COMBED VICUNA HAIR
18 OF A WEIGHT NOT EXCEEDING 200 G/M².—Heading
19 9902.12.81 is amended—

20 (A) by amending the article description to
21 read as follows: “Woven fabrics of combed vi-
22 cuna hair, such fabrics containing 85 percent or
23 more by weight of vicuna hair, of a weight not
24 exceeding 200 g/m² (provided for in subheading
25 5112.11.60)”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (216) WOVEN FABRIC OF COMBED VICUNA HAIR
4 OF A WEIGHT EXCEEDING 200 G/M².—Heading
5 9902.12.82 is amended—

6 (A) by amending the article description to
7 read as follows: “Woven fabrics of combed vi-
8 cuna hair, such fabrics containing 85 percent or
9 more by weight of vicuna hair and of a weight
10 exceeding 200 g/m² (provided for in subheading
11 5112.19.95)”; and

12 (B) by striking “12/31/2020” and insert-
13 ing “12/31/2023”.

14 (217) FUSIBLE BONDING AND SEPARATION
15 YARN.—Heading 9902.12.88 is amended—

16 (A) by amending the article description to
17 read as follows: “Synthetic filament yarn (other
18 than sewing thread) not put up for retail sale,
19 single, with a twist exceeding 50 turns/m, of
20 nylon or other polyamides, measuring 23 or
21 more but not over 840 decitex, each formed
22 from 4 to 68 filaments and containing 10 per-
23 cent or more by weight of nylon 12 (provided
24 for in subheading 5402.51.00)”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (218) POLYACRYLONITRILE TOW WITH AN AV-
4 ERAGE DECITEX OF 2.75.—Heading 9902.13.02 is
5 amended—

6 (A) by amending the article description to
7 read as follows: “Acrylic filament tow
8 (polyacrylonitrile tow), containing by weight 92
9 percent or more of polyacrylonitrile, not more
10 than 0.01 percent of zinc and 2 percent or more
11 but not over 8 percent of water, dyed, presented
12 in the form of bundles of crimped product each
13 containing 214,000 filaments (plus or minus 10
14 percent) with an average decitex of 2.75 (plus
15 or minus 10 percent) and length greater than
16 2 meters (provided for in subheading
17 5501.30.00)”; and

18 (B) by striking “12/31/2020” and insert-
19 ing “12/31/2023”.

20 (219) POLYACRYLONITRILE TOW WITH AN AV-
21 ERAGE DECITEX OF 3.3.—Heading 9902.13.03 is
22 amended—

23 (A) by amending the article description to
24 read as follows: “Acrylic filament tow
25 (polyacrylonitrile tow) containing by weight 92

1 percent or more of polyacrylonitrile, not more
2 than 0.01 percent of zinc and 2 percent or more
3 but not over 8 percent of water, dyed, presented
4 in the form of bundles of crimped product each
5 containing 214,000 filaments (plus or minus 10
6 percent) with an average decitex of 3.3 (plus or
7 minus 10 percent) and length greater than 2
8 meters (provided for in subheading
9 5501.30.00)”; and

10 (B) by striking “12/31/2020” and insert-
11 ing “12/31/2023”.

12 (220) ACRYLIC STAPLE FIBERS NOT PROC-
13 ESSED FOR SPINNING.—Heading 9902.13.20 is
14 amended—

15 (A) by amending the article description to
16 read as follows: “Acrylic staple fibers
17 (polyacrylonitrile staple), not dyed and not
18 carded, combed or otherwise processed for spin-
19 ning, containing by weight 92 percent or more
20 of polyacrylonitrile, not more than 0.01 percent
21 of zinc and 2 percent or more but not over 8
22 percent of water, with a decitex of 5 to 5.6,
23 with a fiber shrinkage of 0 to 22 percent and
24 with a cut fiber length of 80 mm to 150 mm
25 (provided for in subheading 5503.30.00)”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (221) MODIFIED ACRYLIC FLAME RETARDANT
4 STAPLE FIBER WITH A DECITEX OF 2.7.—Heading
5 9902.13.21 is amended—

6 (A) by amending the article description to
7 read as follows: “Modacrylic staple fibers, not
8 carded, combed or otherwise processed for spin-
9 ning, containing over 35 percent and less than
10 85 percent by weight of acrylonitrile, 2.7
11 decitex (plus or minus 2 percent), natural in
12 color, with fiber length between 38 mm and 120
13 mm (provided for in subheading 5503.30.00)”;
14 and

15 (B) by striking “12/31/2020” and insert-
16 ing “12/31/2023”.

17 (222) ACRYLIC FIBER STAPLE, DYED.—Head-
18 ing 9902.13.23 is amended—

19 (A) by amending the article description to
20 read as follows: “Acrylic staple fiber
21 (polyacrylonitrile staple), dyed, not carded,
22 combed or otherwise processed for spinning, the
23 foregoing containing by weight 92 percent or
24 more of polyacrylonitrile, not more than 0.01
25 percent of zinc and 2 percent or more but not

1 over 8 percent of water, with a decitex of 3.3
2 to 5.6, a fiber shrinkage from 0 to 22 percent
3 (provided for in subheading 5503.30.00)”; and

4 (B) by striking “12/31/2020” and insert-
5 ing “12/31/2023”.

6 (223) FLAME RETARDANT RAYON FIBERS, 4.7
7 DECITEX.—Heading 9902.13.29 is amended—

8 (A) by amending the article description to
9 read as follows: “Artificial staple fibers of vis-
10 cose rayon, not carded, combed or otherwise
11 processed for spinning, each containing 28 per-
12 cent or more but not over 33 percent by weight
13 of silica, measuring 4.7 decitex and 60 mm in
14 length (provided for in subheading
15 5504.10.00)”; and

16 (B) by striking “12/31/2020” and insert-
17 ing “12/31/2023”.

18 (224) ACRYLIC STAPLE FIBERS PROCESSED
19 AND WITH A DECITEX OF 2.75 TO 3.3.—Heading
20 9902.13.36 is amended—

21 (A) by amending the article description to
22 read as follows: “Acrylic staple fibers, carded,
23 combed or otherwise processed for spinning,
24 containing by weight 92 percent or more of
25 polyacrylonitrile, not more than 0.01 percent of

1 zinc and 2 percent or more but not over 8 per-
2 cent of water, dyed or raw white (undyed), with
3 an average decitex of 2.75 to 3.30 (plus or
4 minus 10 percent) (provided for in subheading
5 5506.30.00)”; and

6 (B) by striking “12/31/2020” and insert-
7 ing “12/31/2023”.

8 (225) ACRYLIC STAPLE FIBERS PROCESSED
9 AND WITH A DECITEX OF 5.0 TO 5.6.—Heading
10 9902.13.38 is amended—

11 (A) by amending the article description to
12 read as follows: “Acrylic staple fibers, carded,
13 combed or otherwise processed for spinning,
14 containing by weight 92 percent or more of
15 polyacrylonitrile, not more than 0.01 percent of
16 zinc and 2 percent or more but not over 8 per-
17 cent of water, dyed, with an average decitex of
18 5.0 to 5.6 (provided for in subheading
19 5506.30.00)”; and

20 (B) by striking “12/31/2020” and insert-
21 ing “12/31/2023”.

22 (226) NEOPRENE WADING SOCKS.—Heading
23 9902.13.51 is amended—

24 (A) by amending the article description to
25 read as follows: “Socks with uppers comprising

1 neoprene measuring 2.5 mm in thickness and
2 covered on both sides with jersey knitted fabric
3 of nylon; such socks with underfoots of breath-
4 able neoprene measuring 2.5 to 3 mm in thick-
5 ness and covered on both sides with a jersey
6 knitted fabric of nylon; the foregoing each
7 formed anatomically so as to be designed for
8 the wearer's left or right foot (provided for in
9 subheading 6115.96.90)"; and

10 (B) by striking "12/31/2020" and insert-
11 ing "12/31/2023".

12 (227) TRAINING GLOVES.—Heading 9902.13.53
13 is amended—

14 (A) by amending the article description to
15 read as follows: "Training gloves of vulcanized
16 rubber other than of hard rubber (provided for
17 in subheading 4015.19.50) or of synthetic tex-
18 tile materials (provided for in subheading
19 6116.93.08), such gloves of textile materials
20 knitted or crocheted"; and

21 (B) by striking "12/31/2020" and insert-
22 ing "12/31/2023".

23 (228) BRAKE SEGMENTS.—Heading 9902.13.82
24 is amended—

1 (A) by amending the article description to
2 read as follows: “Nonwoven radial segment and
3 chordal orientation brake segments of oxidized
4 polyacrylonitrile fibers, made up and presented
5 as cut otherwise than into squares or rectan-
6 gles, such segments formed by needling web
7 and unidirectional tow fabrics together, the
8 foregoing designed for use in aircraft braking
9 systems (provided for in subheading
10 6307.90.98)”; and

11 (B) by striking “12/31/2020” and insert-
12 ing “12/31/2023”.

13 (229) SPORTS AND ATHLETIC FOOTWEAR FOR
14 WOMEN.—Heading 9902.14.32 is amended—

15 (A) by amending the article description to
16 read as follows: “Women’s sports footwear; ten-
17 nis shoes, basketball shoes, gym shoes, training
18 shoes and the like, with outer soles of rubber or
19 plastics and uppers of textile materials, such
20 uppers of which over 50 percent of the external
21 surface area (including any leather accessories
22 or reinforcements such as those mentioned in
23 note 4(a) to chapter 64) is leather (provided for
24 in subheading 6404.11.20)”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (230) MEN’S BOOTS FOR FISHING WADERS
4 WITH FELT OUTSOLES.—Heading 9902.14.53 is
5 amended—

6 (A) by amending the article description to
7 read as follows: “Footwear for men, with vul-
8 canized uppers of neoprene measuring 7 mm in
9 thickness, covered with a polyester knit fleece
10 on the interior and coated with rubber on the
11 exterior; such footwear measuring (from the
12 base of the inner sole to the top of the upper)
13 20.32 cm or more but not over 25.4 cm in
14 height, with felt outsoles; the foregoing water-
15 proof, valued at \$40/pr or higher and with each
16 boot having a slit in the top of upper collar to
17 allow boot to be affixed to a fishing wader (pro-
18 vided for in subheading 6405.20.90)”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (231) CATALYTIC CONVERTER NEEDED BLAN-
22 KET MATS WITH A THICKNESS OF 10 MM OR MORE
23 AND NOT OVER 3 PERCENT OF BINDER.—Heading
24 9902.14.70 is amended—

1 (A) by amending the article description to
2 read as follows: “Catalytic converter needed
3 blanket mats of ceramic fibers, containing over
4 65 percent by weight of aluminum oxide and
5 not over 3 percent of acrylic latex organic bind-
6 er, of a basis weight greater than or equal to
7 1745 g/m², measuring 10.0 mm or more in
8 thickness; the foregoing presented in bulk,
9 sheets or rolls, designed for use in motor vehi-
10 cles of heading 8703 (provided for in sub-
11 heading 6806.10.00)”; and

12 (B) by striking “12/31/2020” and insert-
13 ing “12/31/2023”.

14 (232) CATALYTIC CONVERTER BLANKET MATS
15 WITH A THICKNESS BETWEEN 5 MM AND 9.9 MM
16 AND NOT OVER 3 PERCENT OF BINDER.—Heading
17 9902.14.71 is amended—

18 (A) by amending the article description to
19 read as follows: “Catalytic converter needed
20 blanket mats of ceramic fibers, containing over
21 65 percent by weight of aluminum oxide and
22 not over 3 percent by weight of acrylic latex or-
23 ganic binder, of a basis weight less than 1745
24 g/m², measuring 5 mm or more but not over
25 9.9 mm in thickness; presented in bulk, sheets

1 or rolls, designed for use in motor vehicles of
2 heading 8703 (provided for in subheading
3 6806.10.00)”; and

4 (B) by striking “12/31/2020” and insert-
5 ing “12/31/2023”.

6 (233) CATALYTIC CONVERTER NEEDED BLAN-
7 KET MATS WITH A THICKNESS BETWEEN 5 MM AND
8 9.9 MM AND BETWEEN 3 AND 7 PERCENT OF BIND-
9 ER.—Heading 9902.14.72 is amended—

10 (A) by amending the article description to
11 read as follows: “Catalytic converter needed
12 blanket mats of ceramic fibers containing over
13 65 percent by weight of aluminum oxide, con-
14 taining an acrylic latex organic binder of great-
15 er than 3 percent and less than 7 percent by
16 weight, of a basis weight less than 1745 g/m²,
17 measuring at least 5 mm or no more than 9.9
18 mm in thickness, in bulk, sheets or rolls, de-
19 signed for motor vehicles of heading 8703 (pro-
20 vided for in subheading 6806.10.00)”; and

21 (B) by striking “12/31/2020” and insert-
22 ing “12/31/2023”.

23 (234) CATALYTIC CONVERTER NEEDED BLAN-
24 KET MATS WITH A THICKNESS OF 10 MM OR MORE

1 AND BETWEEN 3 AND 7 PERCENT BINDER.—Head-
2 ing 9902.14.73 is amended—

3 (A) by amending the article description to
4 read as follows: “Catalytic converter needed
5 blanket mats of ceramic fibers, containing over
6 65 percent by weight of aluminum oxide and 3
7 percent or more but less than 7 percent by
8 weight of acrylic latex organic binder, meas-
9 uring 10.0 mm or more in thickness, of a basis
10 weight greater than or equal to 1745 g/m²; pre-
11 sented in bulk, sheets or rolls, designed for use
12 in motor vehicles of heading 8703 (provided for
13 in subheading 6806.10.00)”; and

14 (B) by striking “12/31/2020” and insert-
15 ing “12/31/2023”.

16 (235) CERTAIN SILVER WIRE.—Heading
17 9902.14.88 is amended—

18 (A) by amending the article description to
19 read as follows: “Silver wire, containing 90 per-
20 cent or more by weight of silver, but not more
21 than 93 percent by weight of silver, and con-
22 taining 6 percent or more by weight of tin
23 oxide, but not more than 9 percent by weight
24 of tin oxide (provided for in subheading
25 7106.92.50)”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (236) METAL GAUZES.—Heading 9902.14.90 is
4 amended—

5 (A) by amending the article description to
6 read as follows: “Gauzes containing platinum,
7 palladium and rhodium (provided for in sub-
8 heading 7115.10.00)”; and

9 (B) by striking “12/31/2020” and insert-
10 ing “12/31/2023”.

11 (237) STRIPS CONSISTING OF SILVER AND COP-
12 PER AND ZINC.—Heading 9902.14.91 is amended—

13 (A) by amending the article description to
14 read as follows: “Clad strips of silver, further
15 worked than semimanufactured, each con-
16 taining 54 percent or more but not over 56 per-
17 cent by weight of silver; having three layers
18 with one layer containing 87 percent or more
19 but not over 89 percent by weight of silver and
20 1.1 percent or more but not over 3 percent of
21 tin, a second layer containing 99.9 percent or
22 more by weight of silver, and a third layer con-
23 taining 14.5 percent or more but not over 15.5
24 percent by weight of silver, 79 percent or more
25 but not over 81 percent of copper and 4.8 per-

1 cent or more but not over 5.2 percent of phos-
2 phorus; measuring 15.65 mm in width and 0.95
3 mm in thickness, presented in coils (provided
4 for in subheading 7115.90.40)”; and

5 (B) by striking “12/31/2020” and insert-
6 ing “12/31/2023”.

7 (238) GERMANIUM UNWROUGHT IN INGOT
8 FORM.—Heading 9902.15.13 is amended—

9 (A) by amending the article description to
10 read as follows: “Ingots of germanium, un-
11 wrought, each weighing 0.5 kg or more but less
12 than 2 kg (provided for in subheading
13 8112.92.60)”; and

14 (B) by striking “12/31/2020” and insert-
15 ing “12/31/2023”.

16 (239) TWEEZERS.—Heading 9902.15.18 is
17 amended—

18 (A) by amending the article description to
19 read as follows: “Tweezers (provided for in sub-
20 heading 8203.20.20)”; and

21 (B) by striking “12/31/2020” and insert-
22 ing “12/31/2023”.

23 (240) NAIL CLIPPERS, NAIL NIPPERS AND NAIL
24 FILES.—Heading 9902.15.33 is amended—

1 (A) by amending the article description to
2 read as follows: “Nail nippers and clippers and
3 nail files, the foregoing other than nail nippers
4 and clippers with one or both blades having
5 rounded edged cut-outs and designed for use in
6 cutting nails of dogs, cats or other small pets
7 (including birds, rabbits, ferrets, hamsters,
8 guinea pigs or gerbils) (provided for in sub-
9 heading 8214.20.30)”; and

10 (B) by striking “12/31/2020” and insert-
11 ing “12/31/2023”.

12 (241) PORTABLE AIR CONDITIONER.—Heading
13 9902.15.63 is amended—

14 (A) by amending the article description to
15 read as follows: “Air conditioning machines,
16 each incorporating a refrigerating unit, mount-
17 ed on wheels or castors, rated at less than 3.52
18 kW per hour (provided for in subheading
19 8415.82.01)”; and

20 (B) by striking “12/31/2020” and insert-
21 ing “12/31/2023”.

22 (242) ELECTRIC CYLINDRICAL COFFEE GRIND-
23 ERS.—Heading 9902.16.25 is amended—

24 (A) by amending the article description to
25 read as follows: “Electromechanical domestic

1 cylindrical coffee grinders, each operated by
2 pushing the plastic cover into the base, the
3 foregoing having a removable stainless steel
4 bowl with a capacity of more than 0.1 liter and
5 not exceeding 0.2 liter (provided for in sub-
6 heading 8509.40.00)”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (243) HANDHELD ELECTRIC CAN OPENERS.—
10 Heading 9902.16.32 is amended—

11 (A) by amending the article description to
12 read as follows: “Hand-held battery-operated
13 automatic can openers, each with self-contained
14 electric motor, such can openers weighing not
15 over 20 kg exclusive of extra interchangeable
16 parts or detachable auxiliary devices (provided
17 for in subheading 8509.80.50)”; and

18 (B) by striking “12/31/2020” and insert-
19 ing “12/31/2023”.

20 (244) FOOD BEATERS DESIGNED TO ATTACH
21 TO HANDHELD MIXERS.—Heading 9902.16.33 is
22 amended—

23 (A) by amending the article description to
24 read as follows: “Stainless steel food beaters,
25 designed for use solely on electromechanical

1 hand-held food mixers suitable for domestic
2 purposes (provided for in subheading
3 8509.90.55)”; and

4 (B) by striking “12/31/2020” and insert-
5 ing “12/31/2023”.

6 (245) LAMP-HOLDER HOUSINGS OF POR-
7 CELAIN.—Heading 9902.16.89 is amended—

8 (A) by amending the article description to
9 read as follows: “Lamp-holder housings of por-
10 celain, containing sockets (provided for in sub-
11 heading 8536.61.00)”; and

12 (B) by striking “12/31/2020” and insert-
13 ing “12/31/2023”.

14 (246) CATHODE-RAY TUBES.—Heading
15 9902.16.94 is amended—

16 (A) by amending the article description to
17 read as follows: “Cathode-ray data/graphic dis-
18 play tubes, color, with a phosphor dot screen
19 pitch smaller than 0.4 mm and with less than
20 90-degree deflection (provided for in subheading
21 8540.40.10)”; and

22 (B) by striking “12/31/2020” and insert-
23 ing “12/31/2023”.

24 (247) ZEE CAGES.—Heading 9902.17.11 is
25 amended—

1 (A) by amending the article description to
2 read as follows: ““Z”-shaped water bottle hold-
3 ers (cages) of alloy or composite material, de-
4 signed for use on bicycles (provided for in sub-
5 heading 8714.99.80)”; and

6 (B) by striking “12/31/2020” and insert-
7 ing “12/31/2023”.

8 (248) OPTICAL ATTENUATORS.—Heading
9 9902.17.27 is amended—

10 (A) by amending the article description to
11 read as follows: “Optical attenuators designed
12 to reduce the power level of an optical signal,
13 either in free space or in an optical fiber, such
14 instruments or apparatus specifically designed
15 for telecommunications (provided for in sub-
16 heading 9013.80.90)”; and

17 (B) by striking “12/31/2020” and insert-
18 ing “12/31/2023”.

19 (249) SKI BINDINGS, VALUED NOT MORE THAN
20 \$55 EACH.—Heading 9902.17.55 is amended—

21 (A) by amending the article description to
22 read as follows: “Ski bindings (other than for
23 cross-country skis), valued not over \$55 each
24 (provided for in subheading 9506.12.80)”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (c) MODIFICATION TO DUTY RATES.—

4 (1) ARTICHOKEs, IN VINEGAR.—Heading
5 9902.01.04 is amended—

6 (A) by striking “7.2%” and inserting
7 “Free”; and

8 (B) by striking “12/31/2020” and insert-
9 ing “12/31/2023”.

10 (2) ARTICHOKEs, OTHER THAN IN VINEGAR.—
11 Heading 9902.01.10 is amended—

12 (A) by striking “12.7%” and inserting
13 “12%”; and

14 (B) by striking “12/31/2020” and insert-
15 ing “12/31/2023”.

16 (3) NICOTINE GUM.—Heading 9902.01.13 is
17 amended—

18 (A) by striking “5.8%” and inserting
19 “5.7%”; and

20 (B) by striking “12/31/2020” and insert-
21 ing “12/31/2023”.

22 (4) ISOHEXADECANE.—Heading 9902.01.19 is
23 amended—

24 (A) by striking “Free” and inserting
25 “1%”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (5) SODIUM.—Heading 9902.01.20 is amend-
4 ed—

5 (A) by striking “2.5%” and inserting
6 “Free”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (6) SODIUM CONTAINING NOT MORE THAN 200
10 PPM OF CALCIUM.—Heading 9902.01.21 is amend-
11 ed—

12 (A) by striking “0.7%” and inserting
13 “3.6%”; and

14 (B) by striking “12/31/2020” and insert-
15 ing “12/31/2023”.

16 (7) HYDRAZINE 64%.—Heading 9902.01.38 is
17 amended—

18 (A) by striking “Free” and inserting
19 “0.1%”; and

20 (B) by striking “12/31/2020” and insert-
21 ing “12/31/2023”.

22 (8) GERMANIUM DIOXIDE (GeO₂).—Heading
23 9902.01.39 is amended—

24 (A) by striking “Free” and inserting
25 “1%”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (9) SODIUM TUNGSTATE DIHYDRATE.—Heading
4 9902.01.67 is amended—

5 (A) by striking “Free” and inserting
6 “2.1%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (10) MONOCHLOROBENZENE.—Heading
10 9902.01.85 is amended—

11 (A) by striking “3.9%” and inserting
12 “3.8%”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (11) P-DICHLOROBENZENE.—Heading
16 9902.01.87 is amended—

17 (A) by striking “2.7%” and inserting
18 “4.4%”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (12) P-CHLOROBENZOTRIFLUORIDE.—Heading
22 9902.01.88 is amended—

23 (A) by striking “4.3%” and inserting
24 “4.7%”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (13) METHANESULFONIC ACID.—Heading
4 9902.02.02 is amended—

5 (A) by striking “0.8%” and inserting
6 “0.7%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (14) LEAF ALCOHOL.—Heading 9902.02.14 is
10 amended—

11 (A) by striking “Free” and inserting
12 “1%”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (15) RESORCINOL.—Heading 9902.02.23 is
16 amended—

17 (A) by striking “Free” and inserting
18 “4.7%”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (16) OXYFLUORFEN.—Heading 9902.02.35 is
22 amended—

23 (A) by striking “0.8%” and inserting
24 “3.5%”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (17) GLYOXAL.—Heading 9902.02.45 is
4 amended—

5 (A) by striking “0.2%” and inserting
6 “Free”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (18) 4-PROPYL BENZALDEHYDE (NPBAL).—
10 Heading 9902.02.46 is amended—

11 (A) by striking “2.8%” and inserting
12 “4.2%”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (19) 4-(1,1-DIMETHYLETHYL)-ALPHA-
16 M(LYSMERAL EXTRA).—Heading 9902.02.48 is
17 amended—

18 (A) by striking “Free” and inserting
19 “2.3%”; and

20 (B) by striking “12/31/2020” and insert-
21 ing “12/31/2023”.

22 (20) DIETHYL KETONE.—Heading 9902.02.54
23 is amended—

24 (A) by striking “0.2%” and inserting
25 “1.7%”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (21) CYCLOPENTANONE.—Heading 9902.02.59
4 is amended—

5 (A) by striking “1.7%” and inserting
6 “Free”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (22) HYDROXYLMETHYLPENTANONE.—Heading
10 9902.02.63 is amended—

11 (A) by striking “1%” and inserting
12 “2.8%”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (23) ETFBO.—Heading 9902.02.71 is amend-
16 ed—

17 (A) by striking “Free” and inserting
18 “1.7%”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (24) SORBIC ACID.—Heading 9902.02.83 is
22 amended—

23 (A) by striking “2.6%” and inserting
24 “2.5%”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (25) BENZOYL CHLORIDE.—Heading
4 9902.02.87 is amended—

5 (A) by striking “2%” and inserting
6 “2.9%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (26) SEBACIC ACID.—Heading 9902.02.93 is
10 amended—

11 (A) by striking “2%” and inserting
12 “2.9%”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (27) DIMETHYL MALONATE OR DMM.—Heading
16 9902.02.94 is amended—

17 (A) by striking “Free” and inserting
18 “1.6%”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (28) PYROMELLITIC DIANHYDRIDE.—Heading
22 9902.03.02 is amended—

23 (A) by striking “Free” and inserting
24 “4.3%”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (29) O-ACETYLSALICYLIC ACID (ASPIRIN).—
4 Heading 9902.03.07 is amended—

5 (A) by striking “1.9%” and inserting
6 “2.2%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (30) METHYL SAL.—Heading 9902.03.08 is
10 amended—

11 (A) by striking “2.3%” and inserting
12 “3.4%”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (31) PHBA.—Heading 9902.03.09 is amend-
16 ed—

17 (A) by striking “2%” and inserting
18 “3.4%”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (32) PLASTIC ADDITIVE.—Heading 9902.03.14
22 is amended—

23 (A) by striking “Free” and inserting
24 “3%”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (33) MCPA.—Heading 9902.03.23 is amend-
4 ed—

5 (A) by striking “2.5%” and inserting
6 “4.2%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (34) DIMETHYL CARBONATE.—Heading
10 9902.03.46 is amended—

11 (A) by striking “Free” and inserting
12 “1.2%”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (35) PERFLUOROCARBONS FOR PERFORMANCE
16 FLUID.—Heading 9902.03.50 is amended—

17 (A) by striking “Free” and inserting
18 “0.7%”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (36) 3,5-DIFLUOROANILINE.—Heading
22 9902.03.57 is amended—

23 (A) by striking “Free” and inserting
24 “1.5%”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (37) TRIFLURALIN.—Heading 9902.03.65 is
4 amended—

5 (A) by striking “4%” and inserting
6 “1.2%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (38) ETHALFLURALIN.—Heading 9902.03.66 is
10 amended—

11 (A) by striking “Free” and inserting
12 “1.3%”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (39) o-TOLUIDINE.—Heading 9902.03.71 is
16 amended—

17 (A) by striking “5.5%” and inserting
18 “5.8%”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (40) MPDA.—Heading 9902.03.80 is amend-
22 ed—

23 (A) by striking “Free” and inserting
24 “5.4%”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (41) 4-ADPA (4-AMINODIPHENYLAMINE).—
4 Heading 9902.03.82 is amended—

5 (A) by striking “4.6%” and inserting
6 “5.3%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (42) 4,4'-DIAMINOSTILBENE-2,2'-DISULFONIC
10 ACID.—Heading 9902.03.84 is amended—

11 (A) by striking “1.5%” and inserting
12 “4.3%”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (43) PRODIAMINE.—Heading 9902.03.87 is
16 amended—

17 (A) by striking “1.6%” and inserting
18 “4.1%”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (44) P-CRESIDINE SULFONIC ACID.—Heading
22 9902.03.98 is amended—

23 (A) by striking “Free” and inserting
24 “4%”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (45) CHOLINE HYDROXIDE.—Heading
4 9902.04.16 is amended—

5 (A) by striking “Free” and inserting
6 “0.6%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (46) DIURON.—Heading 9902.04.30 is amend-
10 ed—

11 (A) by striking “0.4%” and inserting
12 “3.8%”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (47) METOLACHLOR.—Heading 9902.04.35 is
16 amended—

17 (A) by striking “Free” and inserting
18 “5.3%”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (48) FLUTOLANIL.—Heading 9902.04.40 is
22 amended—

23 (A) by striking “1.5%” and inserting
24 “1.4%”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (49) MEFENOXAM.—Heading 9902.04.42 is
4 amended—

5 (A) by striking “4.2%” and inserting
6 “5.5%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (50) FLUFENACET-ALCOHOL.—Heading
10 9902.04.48 is amended—

11 (A) by striking “3.9%” and inserting
12 “3.7%”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (51) 2-(TRIFLUOROMETHYL)BENZAMIDE.—
16 Heading 9902.04.49 is amended—

17 (A) by striking “4.2%” and inserting
18 “Free”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (52) METHYL-4-TRIFLUOROMETHOXYPHENYL-
22 N-(CHL.) CARBAMATE.—Heading 9902.04.52 is
23 amended—

24 (A) by striking “2%” and inserting
25 “2.5%”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (53) GUANIDINOACETIC ACID.—Heading
4 9902.04.64 is amended—

5 (A) by striking “Free” and inserting
6 “1.6%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (54) CHLOROTHALONIL.—Heading 9902.04.65
10 is amended—

11 (A) by striking “5%” and inserting
12 “5.6%”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (55) BROMOXYNIL OCTANOATE.—Heading
16 9902.04.67 is amended—

17 (A) by striking “Free” and inserting
18 “3.4%”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (56) BIFENAZATE TECHNICAL.—Heading
22 9902.04.85 is amended—

23 (A) by striking “Free” and inserting
24 “3.7%”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (57) MESOTRIONE.—Heading 9902.05.03 is
4 amended—

5 (A) by striking “6.2%” and inserting
6 “6.1%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (58) 2-(METHYLTHIO)-4-
10 (TRIFLUOROMETHYL)BENZOIC ACID.—Heading
11 9902.05.08 is amended—

12 (A) by striking “Free” and inserting
13 “5.4%”; and

14 (B) by striking “12/31/2020” and insert-
15 ing “12/31/2023”.

16 (59) ACEPHATE.—Heading 9902.05.16 is
17 amended—

18 (A) by striking “3.2%” and inserting
19 “Free”; and

20 (B) by striking “12/31/2020” and insert-
21 ing “12/31/2023”.

22 (60) METHOMYL.—Heading 9902.05.18 is
23 amended—

24 (A) by striking “5%” and inserting
25 “Free”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (61) ALLYL ISOTHIOCYANATE.—Heading
4 9902.05.26 is amended—

5 (A) by striking “Free” and inserting
6 “1.0”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (62) PMIDA.—Heading 9902.05.29 is amend-
10 ed—

11 (A) by striking “2.5%” and inserting
12 “2.9%”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (63) TRIPHENYLTIN HYDROXIDE.—Heading
16 9902.05.32 is amended—

17 (A) by striking “Free” and inserting
18 “3.2%”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (64) PBA SOLID (PHENYL BORONIC ACID).—
22 Heading 9902.05.34 is amended—

23 (A) by striking “4.6%” and inserting
24 “1.9%”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (65) SEDAXANE.—Heading 9902.05.68 is
4 amended—

5 (A) by striking “Free” and inserting
6 “6.2%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (66) TECHNICAL FLUAZINAM FUNGICIDE.—
10 Heading 9902.05.83 is amended—

11 (A) by striking “Free” and inserting
12 “3.5%”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (67) IMAZETHAPYR.—Heading 9902.05.86 is
16 amended—

17 (A) by striking “2.2%” and inserting
18 “4.3%”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (68) FLURIDONE.—Heading 9902.05.87 is
22 amended—

23 (A) by striking “Free” and inserting
24 “0.1%”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (69) BICYCLOPYRONE.—Heading 9902.05.88 is
4 amended—

5 (A) by striking “4%” and inserting
6 “2.5%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (70) CLOPYRALID TECHNICAL.—Heading
10 9902.05.89 is amended—

11 (A) by striking “1.4%” and inserting
12 “3.2%”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (71) AMINOPYRALID TECHNICAL.—Heading
16 9902.05.92 is amended—

17 (A) by striking “4.1%” and inserting
18 “3.5%”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (72) FLUROXYPYR TECHNICAL.—Heading
22 9902.05.94 is amended—

23 (A) by striking “1.6%” and inserting
24 “4.6%”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (73) 2,3-DICHLORO-5-
4 (TRIFLUOROMETHYL)PYRIDINE.—Heading

5 9902.06.07 is amended—

6 (A) by striking “2.5%” and inserting
7 “5.3%”; and

8 (B) by striking “12/31/2020” and insert-
9 ing “12/31/2023”.

10 (74) 2,3-PYRIDINEDICARBOXYLIC ACID.—Head-
11 ing 9902.06.13 is amended—

12 (A) by striking “Free” and inserting
13 “2.9%”; and

14 (B) by striking “12/31/2020” and insert-
15 ing “12/31/2023”.

16 (75) FOOD AND FEED PRESERVATIVE.—Head-
17 ing 9902.06.22 is amended—

18 (A) by striking “1.2%” and inserting
19 “2.1%”; and

20 (B) by striking “12/31/2020” and insert-
21 ing “12/31/2023”.

22 (76) CLOQUINTOCET-MEXYL.—Heading
23 9902.06.24 is amended—

24 (A) by striking “4.2%” and inserting
25 “Free”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (77) CYPRODINIL TECHNICAL.—Heading
4 9902.06.31 is amended—

5 (A) by striking “Free” and inserting
6 “3.2%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (78) AMINOCYCLOPYRACHLOR.—Heading
10 9902.06.37 is amended—

11 (A) by striking “Free” and inserting
12 “3.8%”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (79) DMDS.—Heading 9902.06.45 is amend-
16 ed—

17 (A) by striking “1%” and inserting
18 “Free”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (80) METRIBUZIN.—Heading 9902.06.51 is
22 amended—

23 (A) by striking “1.9%” and inserting
24 “3.2%”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (81) ATRAZINE.—Heading 9902.06.54 is
4 amended—

5 (A) by striking “Free” and inserting
6 “2.7%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (82) 1,2,4-TRIAZOLE.—Heading 9902.06.97 is
10 amended—

11 (A) by striking “2.8%” and inserting
12 “5.1%”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (83) OXADIAZON.—Heading 9902.07.13 is
16 amended—

17 (A) by striking “1.3%” and inserting
18 “3.7%”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (84) FLUDIOXONIL TECHNICAL.—Heading
22 9902.07.15 is amended—

23 (A) by striking “5%” and inserting
24 “4.7%”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (85) THIDIAZURON.—Heading 9902.07.24 is
4 amended—

5 (A) by striking “Free” and inserting
6 “4.8%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (86) FLUPYRADIFURONE.—Heading
10 9902.07.32 is amended—

11 (A) by striking “Free” and inserting
12 “0.1%”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (87) PENTHIOPYRAD.—Heading 9902.07.47 is
16 amended—

17 (A) by striking “Free” and inserting
18 “4.1%”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (88) CYPROSULFAMIDE.—Heading 9902.07.56
22 is amended—

23 (A) by striking “5%” and inserting
24 “1.6%”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (89) SULFENTRAZONE.—Heading 9902.07.60
4 is amended—

5 (A) by striking “5.4%” and inserting
6 “6%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (90) COLD PRESSED ORANGE OIL.—Heading
10 9902.08.99 is amended—

11 (A) by striking “Free” and inserting
12 “1%”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (91) INSTANT PRINT FILM.—Heading
16 9902.09.16 is amended—

17 (A) by striking “3.1%” and inserting
18 “3.2%”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (92) FLUPYRADIFURONE FORMULATIONS.—
22 Heading 9902.09.20 is amended—

23 (A) by striking “4.2%” and inserting
24 “Free”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (93) SPIROMESIFEN FORMULATIONS.—Heading
4 9902.09.23 is amended—

5 (A) by striking “1.0%” and inserting
6 “Free”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (94) FLONICAMID.—Heading 9902.09.29 is
10 amended—

11 (A) by striking “Free” and inserting
12 “4.9%”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (95) ABAMECTIN.—Heading 9902.09.34 is
16 amended—

17 (A) by striking “Free” and inserting
18 “2.3%”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (96) ACEPHATE FORMULATIONS.—Heading
22 9902.09.35 is amended—

23 (A) by striking “1.8%” and inserting
24 “3.1%”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (97) QUINOXYFEN FUNGICIDE.—Heading
4 9902.09.66 is amended—

5 (A) by striking “1.6%” and inserting
6 “1.8%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (98) COPPER HYDROXIDE AND COPPER
10 OXYCHLORIDE.—Heading 9902.09.76 is amended—

11 (A) by striking “Free” and inserting
12 “0.4%”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (99) 1,1'-DIMETHYL-4,4'-BIPYRIDINIUM DICHLO-
16 RIDE.—Heading 9902.09.94 is amended—

17 (A) by striking “4.6%” and inserting
18 “5.8%”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (100) FORMULATED PYRITHIOBAC-SODIUM.—
22 Heading 9902.10.07 is amended—

23 (A) by striking “1.0%” and inserting
24 “Free”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (101) HERBICIDE MIXTURE.—Heading
4 9902.10.15 is amended—

5 (A) by striking “Free” and inserting
6 “1.7%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (102) PLASTICIZER.—Heading 9902.10.30 is
10 amended—

11 (A) by striking “3.2%” and inserting
12 “3.9%”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (103) PALM FATTY ACID DISTILLATE
16 (“PFAD”).—Heading 9902.10.44 is amended—

17 (A) by striking “1.4%” and inserting
18 “0.9%”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (104) IMINODISUCCINATE.—Heading
22 9902.10.55 is amended—

23 (A) by striking “Free” and inserting
24 “1%”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (105) VINYLACETATE-VINYLCHLORIDE COPOLY-
4 MER.—Heading 9902.10.75 is amended—

5 (A) by striking “Free” and inserting
6 “0.9%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (106) COMPOUNDS USED IN LUBRICANTS.—
10 Heading 9902.10.88 is amended—

11 (A) by striking “2.4%” and inserting
12 “2.1%”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (107) POLYVINYL ACETATE FOR FOOD USE.—
16 Heading 9902.10.98 is amended—

17 (A) by striking “Free” and inserting
18 “1.2%”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (108) MIXTURES FOR USE IN PAPER COAT-
22 INGS.—Heading 9902.11.14 is amended—

23 (A) by striking “0.3%” and inserting
24 “Free”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (109) HINDERED AMINE LIGHT STABILIZER.—
4 Heading 9902.11.21 is amended—

5 (A) by striking “Free” and inserting
6 “0.3%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (110) HYDROGENATED POLYMERS OF
10 NORBORNENE DERIVATIVES.—Heading 9902.11.43
11 is amended—

12 (A) by striking “Free” and inserting
13 “1.5%”; and

14 (B) by striking “12/31/2020” and insert-
15 ing “12/31/2023”.

16 (111) MODIFIED ETHYLENE-NORBORNENE CO-
17 POLYMER.—Heading 9902.11.54 is amended—

18 (A) by striking “Free” and inserting
19 “0.6%”; and

20 (B) by striking “12/31/2020” and insert-
21 ing “12/31/2023”.

22 (112) INDUSTRIAL NITROCELLULOSE (DAMPED
23 ALCOHOL CONTENT OF 28–32%).—Heading
24 9902.11.57 is amended—

1 (A) by striking “Free” and inserting
2 “2%”; and

3 (B) by striking “12/31/2020” and insert-
4 ing “12/31/2023”.

5 (113) SODIUM ALGINATE.—Heading
6 9902.11.59 is amended—

7 (A) by striking “Free” and inserting
8 “2.3%”; and

9 (B) by striking “12/31/2020” and insert-
10 ing “12/31/2023”.

11 (114) ACRYLIC FILMS.—Heading 9902.11.85 is
12 amended—

13 (A) by striking “Free” and inserting
14 “0.6%”; and

15 (B) by striking “12/31/2020” and insert-
16 ing “12/31/2023”.

17 (115) PLASTIC ORNAMENTATION FOR AQUAR-
18 IUMS.—Heading 9902.11.99 is amended—

19 (A) by striking “0.5%” and inserting
20 “Free”; and

21 (B) by striking “12/31/2020” and insert-
22 ing “12/31/2023”.

23 (116) QUICK CLAMPS.—Heading 9902.12.08 is
24 amended—

1 (A) by striking “0.2%” and inserting
2 “1.5%”; and

3 (B) by striking “12/31/2020” and insert-
4 ing “12/31/2023”.

5 (117) HIGH-QUALITY BULL HIDES.—Heading
6 9902.12.34 is amended—

7 (A) by striking “Free” and inserting
8 “0.2%”; and

9 (B) by striking “12/31/2020” and insert-
10 ing “12/31/2023”.

11 (118) BATTING GLOVES OF LEATHER.—Head-
12 ing 9902.12.58 is amended—

13 (A) by striking “Free” and inserting
14 “0.1%”; and

15 (B) by striking “12/31/2020” and insert-
16 ing “12/31/2023”.

17 (119) LEATHER GLOVES WITH
18 FOURCHETTES.—Heading 9902.12.61 is amended—

19 (A) by striking “9.2%” and inserting
20 “7.6%”; and

21 (B) by striking “12/31/2020” and insert-
22 ing “12/31/2023”.

23 (120) LEATHER GLOVES WITHOUT
24 FOURCHETTES.—Heading 9902.12.62 is amended—

1 (A) by striking “13.4%” and inserting
2 “13.1%”; and

3 (B) by striking “12/31/2020” and insert-
4 ing “12/31/2023”.

5 (121) ACRYLIC STAPLE FIBERS WITH A FIBER
6 LENGTH BETWEEN 40 AND 47.5 MM AND A SOLAR
7 REFLECTANCE INDEX GREATER THAN 30.—Heading
8 9902.13.15 is amended—

9 (A) by striking “Free” and inserting
10 “0.5%”; and

11 (B) by striking “12/31/2020” and insert-
12 ing “12/31/2023”.

13 (122) RAYON STAPLE FIBERS FOR USE IN
14 GOODS OF HEADING 9619.—Heading 9902.13.28 is
15 amended—

16 (A) by striking “1.7%” and inserting
17 “2.6%”; and

18 (B) by striking “12/31/2020” and insert-
19 ing “12/31/2023”.

20 (123) MECHANICS’ WORK GLOVES WITH
21 FOURCHETTES.—Heading 9902.13.71 is amended—

22 (A) by striking “9.8%” and inserting
23 “7%”; and

24 (B) by striking “12/31/2020” and insert-
25 ing “12/31/2023”.

1 (124) SLEEPING BAG SHELLS.—Heading
2 9902.13.80 is amended—

3 (A) by striking “Free” and inserting
4 “0.2%”; and

5 (B) by striking “12/31/2020” and insert-
6 ing “12/31/2023”.

7 (125) WORK FOOTWEAR FOR WOMEN.—Head-
8 ing 9902.14.07 is amended—

9 (A) by striking “2.5%” and inserting
10 “Free”; and

11 (B) by striking “12/31/2020” and insert-
12 ing “12/31/2023”.

13 (126) WORK FOOTWEAR FOR MEN.—Heading
14 9902.14.08 is amended—

15 (A) by striking “3.6%” and inserting
16 “1.3%”; and

17 (B) by striking “12/31/2020” and insert-
18 ing “12/31/2023”.

19 (127) MEN’S AND BOYS’ HOUSE SLIPPERS WITH
20 LEATHER UPPERS.—Heading 9902.14.22 is amend-
21 ed—

22 (A) by striking “5.7%” and inserting
23 “5%”; and

24 (B) by striking “12/31/2020” and insert-
25 ing “12/31/2023”.

1 (128) WOMEN’S HOUSE SLIPPERS WITH LEATH-
2 ER UPPERS.—Heading 9902.14.28 is amended—

3 (A) by striking “7.9 %” and inserting
4 “4.4%”; and

5 (B) by striking “12/31/2020” and insert-
6 ing “12/31/2023”.

7 (129) WOMEN’S FOOTWEAR WITH TEXTILE UP-
8 PERS, OPEN TOES OR HEELS, VALUED \$10–\$14.99
9 PER PAIR.—Heading 9902.14.43 is amended—

10 (A) by striking “Free” and inserting
11 “12.2%”; and

12 (B) by striking “12/31/2020” and insert-
13 ing “12/31/2023”.

14 (130) MEN’S FOOTWEAR, COVERING THE
15 ANKLE BUT NOT THE KNEE, VALUED OVER \$24 PER
16 PAIR.—Heading 9902.14.49 is amended—

17 (A) by striking “8.1%” and inserting
18 “Free”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (131) OPAQUE GLASS-CERAMIC COOKWARE.—
22 Heading 9902.14.80 is amended—

23 (A) by striking “7.1%” and inserting
24 “Free”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (132) LIQUID-FILLED GLASS BULBS.—Heading
4 9902.14.87 is amended—

5 (A) by striking “1.8%” and inserting
6 “1%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (133) SCREW ANCHORS.—Heading 9902.14.94
10 is amended—

11 (A) by striking “Free” and inserting
12 “3.5%”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (134) STAINLESS STEEL HANDLES FOR
16 COOKWARE.—Heading 9902.14.96 is amended—

17 (A) by striking “1.5%” and inserting
18 “Free”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (135) LARGE METAL WIRE CRATES FOR
22 DOGS.—Heading 9902.14.99 is amended—

23 (A) by striking “1.4%” and inserting
24 “2%”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (136) METAL WIRE CAGES FOR PETS OTHER
4 THAN DOGS.—Heading 9902.15.01 is amended—

5 (A) by striking “Free” and inserting
6 “1.7%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (137) USED COMPRESSION-IGNITION INTERNAL
10 COMBUSTION ENGINES.—Heading 9902.15.41 is
11 amended—

12 (A) by striking “1.5%” and inserting
13 “1.7%”; and

14 (B) by striking “12/31/2020” and insert-
15 ing “12/31/2023”.

16 (138) CONNECTING RODS.—Heading
17 9902.15.44 is amended—

18 (A) by striking “0.4%” and inserting
19 “Free”; and

20 (B) by striking “12/31/2020” and insert-
21 ing “12/31/2023”.

22 (139) USED FUEL PUMPS.—Heading
23 9902.15.50 is amended—

24 (A) by striking “0.6%” and inserting
25 “1.2%”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (140) EXHAUST FANS FOR PERMANENT IN-
4 STALLATION.—Heading 9902.15.54 is amended—

5 (A) by striking “4.1%” and inserting
6 “2%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (141) SELF-CONTAINED PORTABLE AIR CONDI-
10 TIONER.—Heading 9902.15.64 is amended—

11 (A) by striking “1.8%” and inserting
12 “Free”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (142) TABLE SAWS.—Heading 9902.15.74 is
16 amended—

17 (A) by striking “1.2%” and inserting
18 “1.7%”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (143) VEHICLE STABILITY CONTROL ACTUATOR
22 ASSEMBLIES.—Heading 9902.15.85 is amended—

23 (A) by striking “2.3%” and inserting
24 “1.5%”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (144) VALVE-TYPE FUEL INJECTORS.—Heading
4 9902.15.91 is amended—

5 (A) by striking “0.5%” and inserting
6 “1.1%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (145) NEW CRANKSHAFTS.—Heading
10 9902.15.96 is amended—

11 (A) by striking “0.6%” and inserting
12 “Free”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (146) POWER BACK DOOR ACTUATOR ASSEM-
16 BLIES.—Heading 9902.16.06 is amended—

17 (A) by striking “1.7%” and inserting
18 “Free”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (147) DIRECT CURRENT PUMP MOTORS.—
22 Heading 9902.16.07 is amended—

23 (A) by striking “2.8%” and inserting
24 “Free”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (148) MOTORS FOR LOW WATTAGE FANS.—
4 Heading 9902.16.10 is amended—

5 (A) by striking “0.3%” and inserting
6 “1.6%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (149) USED STARTERS.—Heading 9902.16.38
10 is amended—

11 (A) by striking “0.4%” and inserting
12 “Free”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (150) USED ALTERNATORS.—Heading
16 9902.16.40 is amended—

17 (A) by striking “1.6%” and inserting
18 “Free”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (151) ELECTRIC STEAM IRONS.—Heading
22 9902.16.46 is amended—

23 (A) by striking “1.0%” and inserting
24 “Free”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (152) MICROWAVE HOODS WITH A PLASTIC
4 HANDLE.—Heading 9902.16.47 is amended—

5 (A) by striking “0.5%” and inserting
6 “0.7%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (153) MICROWAVE HOODS WITH A METAL HAN-
10 DLE.—Heading 9902.16.48 is amended—

11 (A) by striking “1.2%” and inserting
12 “1.4%”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (154) CARAFE-LESS COFFEE MAKERS.—Head-
16 ing 9902.16.65 is amended—

17 (A) by striking “0.4%” and inserting
18 “Free”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (155) TOASTER OVENS WITH A POP-UP TOAST-
22 ER FEATURE.—Heading 9902.16.67 is amended—

23 (A) by striking “Free” and inserting
24 “1.4%”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (156) ELECTRIC PRESSURE COOKERS RATED
4 MORE THAN 800W BUT NOT MORE THAN 1000W,
5 WITH A CAPACITY OF LESS THAN 5 LITERS.—Head-
6 ing 9902.16.79 is amended—

7 (A) by striking “0.4%” and inserting
8 “Free”; and

9 (B) by striking “12/31/2020” and insert-
10 ing “12/31/2023”.

11 (157) FLAT PANEL LCD TELEVISIONS FOR EX-
12 ERCISE EQUIPMENT.—Heading 9902.16.85 is
13 amended—

14 (A) by striking “3.6%” and inserting
15 “3%”; and

16 (B) by striking “12/31/2020” and insert-
17 ing “12/31/2023”.

18 (158) MOTOR VEHICLE CHASSIS WITH CAB AND
19 ONLY AN ELECTRIC MOTOR FOR PROPULSION FOR
20 THE TRANSPORT OF GOODS.—Heading 9902.16.97
21 is amended—

22 (A) by striking “23.9%” and inserting
23 “20.9%”; and

24 (B) by striking “12/31/2020” and insert-
25 ing “12/31/2023”.

1 (159) USED GEAR BOXES FOR CERTAIN VEHI-
2 CLES FOR THE TRANSPORTATION OF GOODS.—
3 Heading 9902.17.01 is amended—

4 (A) by striking “Free” and inserting
5 “0.9%”; and

6 (B) by striking “12/31/2020” and insert-
7 ing “12/31/2023”.

8 (160) NEW GEAR BOXES.—Heading 9902.17.02
9 is amended—

10 (A) by striking “2.1%” and inserting
11 “1.2%”; and

12 (B) by striking “12/31/2020” and insert-
13 ing “12/31/2023”.

14 (161) BICYCLE DISC BRAKES.—Heading
15 9902.17.10 is amended—

16 (A) by striking “6.7%” and inserting
17 “8.8%”; and

18 (B) by striking “12/31/2020” and insert-
19 ing “12/31/2023”.

20 (162) BABY STROLLERS.—Heading 9902.17.13
21 is amended—

22 (A) by striking “Free” and inserting
23 “2.8%”; and

24 (B) by striking “12/31/2020” and insert-
25 ing “12/31/2023”.

1 (163) LCD TELEVISION PANEL ASSEMBLIES,
2 WITH A VIDEO DISPLAY MEASURING OVER 101.6 CM
3 BUT NOT OVER 124.46 CM.—Heading 9902.17.24 is
4 amended—

5 (A) by striking “Free” and inserting
6 “2.8%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (164) LCD TELEVISION PANEL ASSEMBLIES,
10 WITH A VIDEO DISPLAY MEASURING OVER 124.46 CM
11 BUT NOT OVER 137.16 CM.—Heading 9902.17.25 is
12 amended—

13 (A) by striking “Free” and inserting
14 “0.3%”; and

15 (B) by striking “12/31/2020” and insert-
16 ing “12/31/2023”.

17 (165) LIGHT EMITTING DIODE (LED) LAMPS,
18 MOUNTING OPTIONS, BASES, CLAMPS, MOUNTS.—
19 Heading 9902.17.48 is amended—

20 (A) by striking “3.0%” and inserting
21 “Free”; and

22 (B) by striking “12/31/2020” and insert-
23 ing “12/31/2023”.

1 (166) GOLF CLUB DRIVER HEADS WITH A LOFT
2 OVER 9.5 DEGREES.—Heading 9902.17.57 is amend-
3 ed—

4 (A) by striking “Free” and inserting
5 “3.5%”; and

6 (B) by striking “12/31/2020” and insert-
7 ing “12/31/2023”.

8 (167) GOLF CLUB DRIVER HEADS WITH A LOFT
9 UNDER 9.5 DEGREES.—Heading 9902.17.58 is
10 amended—

11 (A) by striking “Free” and inserting
12 “1.6%”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (168) GOLF CLUB HYBRID HEADS.—Heading
16 9902.17.60 is amended—

17 (A) by striking “Free” and inserting
18 “1.2%”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (169) GOLF CLUB WEDGE HEADS WITH A LOFT
22 OF 56 DEGREES OR LESS.—Heading 9902.17.61 is
23 amended—

24 (A) by striking “Free” and inserting
25 “1.9%”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (170) GOLF CLUB IRON HEADS OF 8-IRONS AND
4 9-IRONS.—Heading 9902.17.63 is amended—

5 (A) by striking “Free” and inserting
6 “1.4%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (171) TENNIS RACKET FRAMES, UNSTRUNG.—
10 Heading 9902.17.71 is amended—

11 (A) by striking “0.4%” and inserting
12 “1.2%”; and

13 (B) by striking “12/31/2020” and insert-
14 ing “12/31/2023”.

15 (172) VOLLEYBALLS.—Heading 9902.17.74 is
16 amended—

17 (A) by striking “Free” and inserting
18 “2.1%”; and

19 (B) by striking “12/31/2020” and insert-
20 ing “12/31/2023”.

21 (173) BASKETBALLS OTHER THAN LEATHER OR
22 RUBBER.—Heading 9902.17.75 is amended—

23 (A) by striking “3.1%” and inserting
24 “3.2%”; and

1 (B) by striking “12/31/2020” and insert-
2 ing “12/31/2023”.

3 (174) RUBBER BASKETBALLS.—Heading
4 9902.17.77 is amended—

5 (A) by striking “2.5%” and inserting
6 “1.6%”; and

7 (B) by striking “12/31/2020” and insert-
8 ing “12/31/2023”.

9 (175) FISHING RODS, ONE-PIECE, OF BOTH FI-
10 BERGLASS AND CARBON FIBER.—Heading
11 9902.17.93 is amended—

12 (A) by striking “Free” and inserting
13 “4.3%”; and

14 (B) by striking “12/31/2020” and insert-
15 ing “12/31/2023”.

16 (176) HAIR-SLIDES WITHOUT IMITATION
17 PEARLS OR STONES.—Heading 9902.17.96 is
18 amended—

19 (A) by striking “Free” and inserting
20 “8.6%”; and

21 (B) by striking “12/31/2020” and insert-
22 ing “12/31/2023”.

23 (177) EYELASH CURLERS.—Heading
24 9902.17.97 is amended—

1 (A) by striking “Free” and inserting
2 “0.7%”; and

3 (B) by striking “12/31/2020” and insert-
4 ing “12/31/2023”.

5 (d) MODIFICATIONS TO ARTICLE DESCRIPTIONS AND
6 RATES OF DUTY.—

7 (1) MINCED PIMIENTO STUFFED GREEN OL-
8 IVES.—Heading 9902.01.07 is amended—

9 (A) by amending the article description to
10 read as follows: “Olives, green in color, stuffed
11 with minced pimiento, the foregoing in brine
12 and presented in glass containers, other than
13 place packed (provided for in subheading
14 2005.70.25)”;

15 (B) by striking “Free” and inserting
16 “1.9%”; and

17 (C) by striking “12/31/2020” and inserting
18 “12/31/2023”.

19 (2) VINYL NEODECANOATE.—Heading
20 9902.02.78 is amended—

21 (A) by amending the article description to
22 read as follows: “Vinyl neodecanoate (vinyl 7,7-
23 dimethyloctanoate) (CAS No. 51000–52–3)
24 (provided for in subheading 2915.90.18)”;

1 (B) by striking “Free” and inserting
2 “1.1%”; and

3 (C) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (3) BIFENTHRIN.—Heading 9902.02.86 is
6 amended—

7 (A) by amending the article description to
8 read as follows: “2-Methylbiphenyl-3-ylmethyl
9 (1RS,3RS)-3-[(Z)-2-chloro-3,3,3-trifluoroprop-
10 1-enyl]-2,2-dimethylcyclopropanecarboxylate
11 (Bifenthrin) (CAS No. 82657–04–3) (provided
12 for in subheading 2916.20.50)”;

13 (B) by striking “2.4%” and inserting
14 “3.3%”; and

15 (C) by striking “12/31/2020” and inserting
16 “12/31/2023”.

17 (4) TRINEXAPAC-ETHYL.—Heading 9902.03.31
18 is amended—

19 (A) by amending the article description to
20 read as follows: “Ethyl (RS)-4-
21 cyclopropyl(hydroxy)methylene-3,5-
22 dioxocyclohexanecarboxylate (Trinexapac-ethyl)
23 (CAS No. 95266–40–3) (provided for in sub-
24 heading 2918.99.50)”;

1 (B) by striking “Free” and inserting
2 “2.5%”; and

3 (C) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (5) 3,3' DICHLOROBENZIDINE
6 DIHYDROCHLORIDE.—Heading 9902.03.88 is
7 amended—

8 (A) by amending the article description to
9 read as follows: “3,3'-Dichlorobenzidine
10 dihydrochloride (3,3'-Dichloro-4,4'-
11 biphenyldiamine dihydrochloride) (CAS No.
12 612–83–9) (provided for in subheading
13 2921.59.80)”;

14 (B) by striking “Free” and inserting
15 “0.8%”; and

16 (C) by striking “12/31/2020” and inserting
17 “12/31/2023”.

18 (6) 4-(4-AMINOPHENOXY)ANILINE.—Heading
19 9902.04.01 is amended—

20 (A) by amending the article description to
21 read as follows: “4-(4-Aminophenoxy)aniline
22 (CAS No. 101–80–4) (provided for in sub-
23 heading 2922.29.81)”;

24 (B) by striking “1.3%” and inserting
25 “3.3%”; and

1 (C) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (7) S-METOLACHLOR.—Heading 9902.04.43 is
4 amended—

5 (A) by amending the article description to
6 read as follows: “2-Chloro-N-(2-ethyl-6-
7 methylphenyl)-N-[(1S)-2-methoxy-1-
8 methylethyl]acetamide ((S)-Metolachlor) (CAS
9 No. 87392–12–9) (provided for in subheading
10 2924.29.47)”;

11 (B) by striking “6.0%” and inserting
12 “6.3%”; and

13 (C) by striking “12/31/2020” and inserting
14 “12/31/2023”.

15 (8) COMPOUND USED IN POLYMER PRODUC-
16 TION.—Heading 9902.04.58 is amended—

17 (A) by amending the article description to
18 read as follows: “1,1’-[1,3-
19 Phenylenebis(methylene)]bis(3-methyl-1H-pyr-
20 role-2,5-dione) (CAS No. 119462–56–5) (pro-
21 vided for in subheading 2925.19.42)”;

22 (B) by striking “Free” and inserting
23 “2.7%”; and

24 (C) by striking “12/31/2020” and inserting
25 “12/31/2023”.

1 (9) 2-METHOXYETHYL(RS)-2-(4-TERT-
2 (CYFLUMETOFEN).—Heading 9902.04.66 is amend-
3 ed—

4 (A) by amending the article description to
5 read as follows: “2-Methoxyethyl 2-cyano-2-[4-
6 (2-methyl-2-propanyl)phe- nyl]-3-oxo-3-[2-
7 (trifluoromethyl)phenyl]propanoate
8 (Cyflumetafen) (CAS No. 400882–07–7) (pro-
9 vided for in subheading 2926.90.25)”;

10 (B) by striking “Free” and inserting
11 “1.5%”; and

12 (C) by striking “12/31/2020” and inserting
13 “12/31/2023”.

14 (10) β -CYFLUTHRIN.—Heading 9902.04.70 is
15 amended—

16 (A) by amending the article description to
17 read as follows: “Cyano-(4-fluoro-3-
18 phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-
19 2,2-dimethylcyclopropane-1-carboxylate (β -
20 Cyfluthrin) (CAS No. 68359–37–5) (provided
21 for in subheading 2926.90.30)”;

22 (B) by striking “3.4%” and inserting
23 “Free”; and

24 (C) by striking “12/31/2020” and inserting
25 “12/31/2023”.

1 (11) DELTAMETHRIN.—Heading 9902.04.71 is
2 amended—

3 (A) by amending the article description to
4 read as follows: “[*(S)*-Cyano-(3-
5 phenoxyphenyl)methyl] (*(1R,3R)*)-3-(2,2-
6 dibromoethenyl)-2,2-dimethylcyclopropane-1-
7 carboxylate (Deltamethrin) (CAS No. 52918-
8 63-5) (provided for in subheading
9 2926.90.30)”;

10 (B) by striking “1.8%” and inserting
11 “4.3%”; and

12 (C) by striking “12/31/2020” and inserting
13 “12/31/2023”.

14 (12) METHOXYFENOZIDE TECHNICAL INSECTI-
15 CIDE.—Heading 9902.04.84 is amended—

16 (A) by amending the article description to
17 read as follows: “*N*-(3,5-Dimethylbenzoyl)-3-
18 methoxy-2-methyl-*N*-(2-methyl-2-
19 propanyl)benzohydrazide (Methoxyfenozide)
20 (CAS No. 161050-58-4) (provided for in sub-
21 heading 2928.00.25)”;

22 (B) by striking “3.2%” and inserting
23 “5.4%”; and

24 (C) by striking “12/31/2020” and inserting
25 “12/31/2023”.

1 (13) N-BUTYLTHIOPHOSPHORIC TRIAMIDE
2 (NBPT).—Heading 9902.04.98 is amended—

3 (A) by amending the article description to
4 read as follows: “N-Butylthiophosphoric
5 triamide (CAS No. 94317–64–3) (provided for
6 in subheading 2929.90.50)”;

7 (B) by striking “Free” and inserting
8 “5.1%”; and

9 (C) by striking “12/31/2020” and inserting
10 “12/31/2023”.

11 (14) CLETHODIM.—Heading 9902.05.05 is
12 amended—

13 (A) by amending the article description to
14 read as follows: “2-[1-({[(2E)-3-Chloro-2-
15 propen-1-yl]oxy}amino)propyl]-5-[2-
16 (ethylsulfanyl)propyl]-1,3-cyclohex- anedione
17 (Clethodim) (CAS No. 99129–21–2) (provided
18 for in subheading 2930.90.10)”;

19 (B) by striking “Free” and inserting
20 “3.9%”; and

21 (C) by striking “12/31/2020” and inserting
22 “12/31/2023”.

23 (15) AE 747 ETHER.—Heading 9902.05.07 is
24 amended—

1 (A) by amending the article description to
2 read as follows: “2-Chloro-4-(methylsulfonyl)-3-
3 ((2,2,2-trifluoroethoxy)methyl) benzoic acid
4 (CAS No. 120100–77–8) (provided for in sub-
5 heading 2930.90.29)”;

6 (B) by striking “5.7%” and inserting
7 “6%”; and

8 (C) by striking “12/31/2020” and inserting
9 “12/31/2023”.

10 (16) THIODICARB.—Heading 9902.05.15 is
11 amended—

12 (A) by amending the article description to
13 read as follows: “Methyl (1E)-N-[methyl-[meth-
14 yl-[(E)-1-methyl- sulfanylethylideneamino]
15 oxycarbonylamino] sulfanyl- car-
16 bamoyl]oxyethanimidothioate (Thiodicarb)
17 (CAS No. 59669–26–0) (provided for in sub-
18 heading 2930.90.43)”;

19 (B) by striking “Free” and inserting
20 “3.6%”; and

21 (C) by striking “12/31/2020” and inserting
22 “12/31/2023”.

23 (17) GLUFOSINATE-AMMONIUM.—Heading
24 9902.05.37 is amended—

1 (A) by amending the article description to
2 read as follows: “2-amino-4-[hy-
3 droxy(methyl)phosphoryl]butanoic acid;azane
4 (Glufosinate Ammonium) (CAS No. 77182–82–
5 2) (provided for in subheading 2931.39.00)”;

6 (B) by striking “1.5%” and inserting
7 “3.5%”; and

8 (C) by striking “12/31/2020” and inserting
9 “12/31/2023”.

10 (18) PYRAFLUFEN-ETHYL.—Heading
11 9902.05.63 is amended—

12 (A) by amending the article description to
13 read as follows: “Ethyl 2-chloro-5-(4-chloro-5-
14 difluoromethoxy-1-methyl-1H-pyra- zol-3-yl)-4-
15 fluorophenoxyacetate (Pyraflufen-ethyl) (CAS.
16 No 129630–19–9) (provided for in subheading
17 2933.19.23)”;

18 (B) by striking “Free” and inserting
19 “2.2%”; and

20 (C) by striking “12/31/2020” and inserting
21 “12/31/2023”.

22 (19) FIPRONIL.—Heading 9902.05.66 is
23 amended—

24 (A) by amending the article description to
25 read as follows: “(RS)-5-Amino-1-[2,6-dichloro-

1 4-(trifluoromethyl)phenyl]-4-
2 (trifluoromethylsulfanyl)-1H-pyrazole-3-
3 carbonitrile (Fipronil) (CAS No. 120068-37-3)
4 (provided for in subheading 2933.19.23”;

5 (B) by striking “4.4%” and inserting
6 “5.4%”; and

7 (C) by striking “12/31/2020” and inserting
8 “12/31/2023”.

9 (20) SOLATENOL.—Heading 9902.05.69 is
10 amended—

11 (A) by amending the article description to
12 read as follows: “N-[9-(Dichloromethylidene)-
13 1,2,3,4-tetrahydro-1,4-methano- naphthalen-5-
14 yl]-3-(difluoromethyl)-1-methyl-1H-pyrazole-4-
15 carboxamide (Benzovindiflupyr) (CAS No.
16 1072957-71-1) (provided for in subheading
17 2933.19.23)”;

18 (B) by striking “4.0%” and inserting
19 “4.3%”; and

20 (C) by striking “12/31/2020” and inserting
21 “12/31/2023”.

22 (21) TECHNICAL TOLPYRALATE HERBICIDE.—
23 Heading 9902.05.71 is amended—

24 (A) by amending the article description to
25 read as follows: “1-[[1-Ethyl-4-[3-(2-

1 methoxyethoxy)-2-methyl-4-
2 (methylsulfonyl)benzoyl]-1H-pyrazol-5-
3 yl]oxy]ethyl methyl carbonate (Tolpyralate)
4 (CAS No. 1101132-67-5) (provided for in sub-
5 heading 2933.19.23”;

6 (B) by striking “Free” and inserting
7 “3.7%”; and

8 (C) by striking “12/31/2020” and inserting
9 “12/31/2023”.

10 (22) IPRIDIONE.—Heading 9902.05.73 is
11 amended—

12 (A) by amending the article description to
13 read as follows: “3-(3,5-Dichlorophenyl)-N-iso-
14 propyl-2,4-dioxoimidazoli- dine-1-carboxamide
15 (Iprodione) (CAS No. 36734-19-7) (provided
16 for in subheading 2933.21.00”;

17 (B) by striking “2.0%” and inserting
18 “1.4%”; and

19 (C) by striking “12/31/2020” and inserting
20 “12/31/2023”.

21 (23) FLUOPICOLIDE.—Heading 9902.05.79 is
22 amended—

23 (A) by amending the article description to
24 read as follows: “2,6-Dichloro-N-[3-chloro-5-
25 (trifluoromethyl)-2- pyridylmethyl]benzamide

1 (Fluopicolide) (CAS No. 239110–15–7) (pro-
2 vided for in subheading 2933.39.21)”;

3 (B) by striking “Free” and inserting
4 “1%”; and

5 (C) by striking “12/31/2020” and inserting
6 “12/31/2023”.

7 (24) PICLORAM TECHNICAL.—Heading
8 9902.05.90 is amended—

9 (A) by amending the article description to
10 read as follows: “4-Amino-3,5,6-trichloro-2-
11 pyridinecarboxylic acid (CAS No. 1918–02–1)
12 (provided for in subheading 2933.39.25)”;

13 (B) by striking “4.3%” and inserting
14 “5.1%”; and

15 (C) by striking “12/31/2020” and inserting
16 “12/31/2023”.

17 (25) IMIDACLOPRID.—Heading 9902.05.97 is
18 amended—

19 (A) by amending the article description to
20 read as follows: “N-[1-[(6-Chloropyridin-3-
21 yl)methyl]-4,5-dihydroimidazol- 2-yl]nitramide
22 (Imidacloprid) (CAS No. 138261–41–3) (pro-
23 vided for in subheading 2933.39.27)”;

24 (B) by striking “4.3%” and inserting
25 “5.4%”; and

1 (C) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (26) 2-CYANOPYRIDINE.—Heading 9902.06.20
4 is amended—

5 (A) by amending the article description to
6 read as follows: “2-Cyanopyridine (2-
7 Pyridinecarbonitrile) (CAS No. 100–70–9)
8 (provided for in subheading 2933.39.91)”;

9 (B) by striking “2.3%” and inserting
10 “3.2%”; and

11 (C) by striking “12/31/2020” and inserting
12 “12/31/2023”.

13 (27) QUINCLORAC.—Heading 9902.06.23 is
14 amended—

15 (A) by amending the article description to
16 read as follows: “3,7-dichloroquinoline-8-car-
17 boxylic acid (Quinclorac) (CAS No. 84087–01–
18 4) (provided for in subheading 2933.49.30)”;

19 (B) by striking “Free” and inserting
20 “3.1%”; and

21 (C) by striking “12/31/2020” and inserting
22 “12/31/2023”.

23 (28) AZOXYSTROBIN.—Heading 9902.06.30 is
24 amended—

1 (A) by amending the article description to
2 read as follows: “Methyl (2E)-2-(2-{[6-(2-
3 cyanophenoxy)pyrimidin-4-yl]oxy}phenyl)-3-
4 methoxyacrylate (Azoxystrobin) (CAS No.
5 131860–33–8) (provided for in subheading
6 2933.59.15)”;

7 (B) by striking “6.2%” and inserting
8 “5.9%”; and

9 (C) by striking “12/31/2020” and inserting
10 “12/31/2023”.

11 (29) DEDS.—Heading 9902.06.41 is amend-
12 ed—

13 (A) by amending the article description to
14 read as follows: “5-Ethoxy-2-[(5-ethoxy-7-
15 fluoro-[1,2,4]triazolo[1,5-c]pyrimidin-2-
16 yl)disulfanyl]-7-fluoro-[1,2,4]triazolo[1,5-
17 c]pyrimidine (CAS No. 166524–75–0) (pro-
18 vided for in subheading 2933.59.70)”;

19 (B) by striking “0.6%” and inserting
20 “5%”; and

21 (C) by striking “12/31/2020” and inserting
22 “12/31/2023”.

23 (30) SPIROTETRAMAT.—Heading 9902.06.67 is
24 amended—

1 (A) by amending the article description to
2 read as follows: “[3-(2,5-Dimethylphenyl)-8-
3 methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl]
4 ethyl carbonate (Spirotetramat) (CAS No.
5 203313–25–1) (provided for in subheading
6 2933.79.08)”;

7 (B) by striking “3.2%” and inserting
8 “1%”; and

9 (C) by striking “12/31/2020” and inserting
10 “12/31/2023”.

11 (31) CYPROCONAZOLE.—Heading 9902.06.77 is
12 amended—

13 (A) by amending the article description to
14 read as follows: “[α -(4-Chlorophenyl)- α -(1-
15 cyclopropylethyl)-1H-1-1,2,4- triazole-1-ethanol
16 (Cyproconazole) (CAS No. 94361–06–5) (pro-
17 vided for in subheading 2933.99.22)”;

18 (B) by striking “Free” and inserting
19 “1.3%”; and

20 (C) by striking “12/31/2020” and inserting
21 “12/31/2023”.

22 (32) TEBUCONAZOLE.—Heading 9902.06.78 is
23 amended—

24 (A) by amending the article description to
25 read as follows: “(RS)-1-p-Chlorophenyl-4,4-di-

1 methyl-3-(1H-1,2,4-triazol-1-ylmethyl)pentan-
2 3-ol (Tebuconazole) (CAS No. 107534-96-3)
3 (provided for in subheading 2933.99.22”);

4 (B) by striking “Free” and inserting
5 “4.4%”; and

6 (C) by striking “12/31/2020” and inserting
7 “12/31/2023”.

8 (33) METCONAZOLE.—Heading 9902.06.80 is
9 amended—

10 (A) by amending the article description to
11 read as follows: “5-[(4-Chlorophenyl)methyl]-
12 2,2-dimethyl-1-(1,2,4-triazol- 1-
13 ylmethyl)cyclopentan-1-ol (Metconazole) (CAS
14 No. 125116-23-6) (provided for in subheading
15 2933.99.22)”;

16 (B) by striking “1.6%” and inserting
17 “Free”; and

18 (C) by striking “12/31/2020” and inserting
19 “12/31/2023”.

20 (34) PROTHIOCONAZOLE.—Heading 9902.06.81
21 is amended—

22 (A) by amending the article description to
23 read as follows: “2-[(2RS)-2-(1-
24 Chlorocyclopropyl)-3-(2-chlorophenyl)-2-
25 hydroxypropyl]-2H-1,2,4-triazole-3(4H)-thione

1 (Prothioconazole) (CAS No. 178928–70–6)
2 (provided for in subheading 2933.99.22)”;

3 (B) by striking “5.3%” and inserting
4 “5.7%”; and

5 (C) by striking “12/31/2020” and inserting
6 “12/31/2023”.

7 (35) FLUTRIAFOL.—Heading 9902.06.84 is
8 amended—

9 (A) by amending the article description to
10 read as follows: “1-(2-Fluorophenyl)-1-(4-
11 fluorophenyl)-2-(1H-1,2,4- triazol-1-yl)ethanol
12 (Flutriafol) (CAS No. 76674–21–0) (provided
13 for in subheading 2933.99.22)”;

14 (B) by striking “0.2%” and inserting
15 “3%”; and

16 (C) by striking “12/31/2020” and inserting
17 “12/31/2023”.

18 (36) IPCONAZOLE.—Heading 9902.06.85 is
19 amended—

20 (A) by amending the article description to
21 read as follows: “(1R,2S,5R)-2-(4-
22 Chlorobenzyl)-5-isopropyl-1-(1H-1,2,4- triazol-
23 1-ylmethyl)cyclopentanol (Ipconazole) (CAS No.
24 125225–28–7) (provided for in subheading
25 2933.99.22)”;

1 (B) by striking “Free” and inserting
2 “1.3%”; and

3 (C) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (37) HEXYTHIAZOX.—Heading 9902.06.99 is
6 amended—

7 (A) by amending the article description to
8 read as follows: “(4RS,5RS)-5-(4-chlorophenyl)-
9 N-cyclohexyl-4-methyl-2-oxo-1,3-thiazolidine-3-
10 carboxamide (Hexythiazox) (CAS No. 78587-
11 05-0) (provided for in subheading
12 2934.10.10)”;

13 (B) by striking “1.8%” and inserting
14 “2.4%”; and

15 (C) by striking “12/31/2020” and inserting
16 “12/31/2023”.

17 (38) CLOTHIANIDIN.—Heading 9902.07.06 is
18 amended—

19 (A) by amending the article description to
20 read as follows: “(E)-1-(2-Chloro-1,3-thiazol-5-
21 ylmethyl)-3-methyl-2-nitro- guanidine
22 (Clothianidin) (CAS No. 210880-92-5) (pro-
23 vided for in subheading 2934.10.90)”;

24 (B) by striking “6.1%” and inserting
25 “5.9%”; and

1 (C) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (39) THIAMETHOXAM.—Heading 9902.07.07 is
4 amended—

5 (A) by amending the article description to
6 read as follows: “Thiamethoxam (3-(2-chloro-5-
7 thiazolylmethyl)tetrahydro-5- methyl-N-nitro-
8 1,3,5-oxadiazin-4-imine) (CAS No. 153719–23–
9 4) (provided for in subheading 2934.10.90)”;

10 (B) by striking “2.5%” and inserting
11 “6%”; and

12 (C) by striking “12/31/2020” and inserting
13 “12/31/2023”.

14 (40) DIFENOCONAZOLE.—Heading 9902.07.14
15 is amended—

16 (A) by amending the article description to
17 read as follows: “1-({2-[2-Chloro-4-(4-
18 chlorophenoxy)phenyl]-4-methyl-1,3- dioxolan-2-
19 yl}methyl)-1H-1,2,4-triazole (Difenoconazole)
20 (CAS No. 119446–68–3) (provided for in sub-
21 heading 2934.99.12)”;

22 (B) by striking “4.6%” and inserting
23 “5.6%”; and

24 (C) by striking “12/31/2020” and inserting
25 “12/31/2023”.

1 (41) FLUOXASTROBIN.—Heading 9902.07.21 is
2 amended—

3 (A) by amending the article description to
4 read as follows: “(E)-1-[2-[6-(2-
5 Chlorophenoxy)-5-fluoropyrimidin-4-
6 yl]oxyphenyl]-1-(5,6-dihydro-1,4,2-dioxazin-3-
7 yl)-N-methoxymethanimine (Fluoxastrobin)
8 (CAS No. 361377–29–9) (provided for in sub-
9 heading 2934.99.12)”;

10 (B) by striking “Free” and inserting
11 “2.7%”; and

12 (C) by striking “12/31/2020” and inserting
13 “12/31/2023”.

14 (42) ISOXAFLUTOLE.—Heading 9902.07.22 is
15 amended—

16 (A) by amending the article description to
17 read as follows: “(5-Cyclopropyl-1,2-oxazol-4-
18 yl)-[2-methylsulfonyl-4-
19 (trifluoromethyl)phenyl]methanone
20 (Isoxaflutole) (CAS No. 141112–29–0) (pro-
21 vided for in subheading 2934.99.15)”;

22 (B) by striking “5.5%” and inserting
23 “4.8%”; and

24 (C) by striking “12/31/2020” and inserting
25 “12/31/2023”.

1 (43) PINOXADEN.—Heading 9902.07.26 is
2 amended—

3 (A) by amending the article description to
4 read as follows: “8-(2,6-Diethyl-4-
5 methylphenyl)-1,2,4,5-tetrahydro-7-oxo- 7H-
6 pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl-2,2-
7 dimethylpropanoate (Pinoxaden) (CAS No.
8 243973–20–8) (provided for in subheading
9 2934.99.15)”;

10 (B) by striking “5.4%” and inserting
11 “Free”; and

12 (C) by striking “12/31/2020” and inserting
13 “12/31/2023”.

14 (44) ISOXABEN TECHNICAL HERBICIDE.—
15 Heading 9902.07.27 is amended—

16 (A) by amending the article description to
17 read as follows: “2,6-Dimethoxy-N-[3-(3-meth-
18 yl-3-pentanyl)-1,2-oxazol-5- yl]benzamide
19 (isoxaben) (CAS No. 82558–50–7) (provided
20 for in subheading 2934.99.15)”;

21 (B) by striking “3.1%” and inserting
22 “2.7%”; and

23 (C) by striking “12/31/2020” and inserting
24 “12/31/2023”.

1 (45) FLUTHIACETMETHYL.—Heading
2 9902.07.29 is amended—

3 (A) by amending the article description to
4 read as follows: “Methyl [[2-chloro-4-fluoro-
5 5[(tetrahydro-3-oxo-1H,3H-[1,3,4]thi-
6 adiazolo[3,4-a]pyridazin-1-
7 ylidene)amino]phenyl]thio]acetate (Fluthiacet-
8 methyl technical) (CAS No. 117337–19–6)
9 (provided for in subheading 2934.99.15)”;

10 (B) by striking “Free” and inserting
11 “3%”; and

12 (C) by striking “12/31/2020” and inserting
13 “12/31/2023”.

14 (46) FLUMIOXAZIN.—Heading 9902.07.30 is
15 amended—

16 (A) by amending the article description to
17 read as follows: “2-[7-Fluoro-3-oxo-4-(2-propyn-
18 1-yl)-3,4-dihydro-2H- 1,4-benzoxazin-6-yl]-
19 4,5,6,7-tetrahydro-1H- isoindole-1,3(2H)-dione
20 (Flumioxazin) (CAS No. 103361–09–7) (pro-
21 vided for in subheading 2934.99.15)”;

22 (B) by striking “6.1%” and inserting
23 “5.6%”; and

24 (C) by striking “12/31/2020” and inserting
25 “12/31/2023”.

1 (47) BUPROFEZIN.—Heading 9902.07.31 is
2 amended—

3 (A) by amending the article description to
4 read as follows: “(2Z)-3-Isopropyl-2-[(2-methyl-
5 2-propanyl)imino]-5-phenyl- 1,3,5-thiadiazinan-
6 4-one (Buprofezin) (CAS No. 69327–76–0 or
7 953030–84–7) (provided for in subheading
8 2934.99.16)”;

9 (B) by striking “1.4%” and inserting
10 “Free”; and

11 (C) by striking “12/31/2020” and inserting
12 “12/31/2023”.

13 (48) SAROLANER.—Heading 9902.07.38 is
14 amended—

15 (A) by amending the article description to
16 read as follows: “1-{5'-[(5S)-5-(3,5-Dichloro-4-
17 fluorophenyl)-4,5-dihydro-5- (trifluoromethyl)-
18 1,2-oxazol-3-yl]-1H,3'H-spiro[azetidine-3,1'-
19 [2]benzofuran]-1-yl}-2-mesyethanone
20 (Sarolaner) (CAS No. 1398609–39–6) (pro-
21 vided for in subheading 2934.99.30)”;

22 (B) by striking “Free” and inserting
23 “4.5%”; and

24 (C) by striking “12/31/2020” and inserting
25 “12/31/2023”.

1 (49) ISOXADIFEN-ETHYL.—Heading
2 9902.07.43 is amended—

3 (A) by amending the article description to
4 read as follows: “Ethyl 5,5-diphenyl-4H-1,2-
5 oxazole-3-carboxylate (Isoxadifen-ethyl) (CAS
6 No. 163520–33–0) (provided for in subheading
7 2934.99.39)”;

8 (B) by striking “4.0%” and inserting
9 “5.6%”; and

10 (C) by striking “12/31/2020” and inserting
11 “12/31/2023”.

12 (50) PYROXASULFONE TECHNICAL.—Heading
13 9902.07.53 is amended—

14 (A) by amending the article description to
15 read as follows: “3-({[5-(Difluoromethoxy)-1-
16 methyl-3-(trifluoromethyl)-1H- pyrazol-4-
17 yl]methyl}sulfonyl)-5,5-dimethyl-4,5- dihydro-
18 1,2-oxazole (Pyroxasulfone) (CAS No. 447399–
19 55–5) (provided for in subheading
20 2934.99.90)”;

21 (B) by striking “3.5%” and inserting
22 “6.3%”; and

23 (C) by striking “12/31/2020” and inserting
24 “12/31/2023”.

1 (51) TRIASULFURON.—Heading 9902.07.57 is
2 amended—

3 (A) by amending the article description to
4 read as follows: “2-(2-Chloroethoxy)-N-[(4-
5 methoxy-6-methyl-1,3,5-triazin-2-
6 yl)carbamoyl]benzenesulfonamide (Triasulfuron)
7 (CAS No. 82097–50–5) (provided for in sub-
8 heading 2935.90.75)”;

9 (B) by striking “0.4%” and inserting
10 “Free”; and

11 (C) by striking “12/31/2020” and inserting
12 “12/31/2023”.

13 (52) TRIFLOXYSULFURON.—Heading
14 9902.07.58 is amended—

15 (A) by amending the article description to
16 read as follows: “Sodium 4,6-dimethoxy-2-[(3-
17 (2,2,2-trifluoro- ethoxy)pyridin-2-
18 yl)sulfonyl}carbamoyl)imino]- 2H-pyrimidin-1-
19 ide (Trifloxysulfuron-sodium) (CAS No.
20 199119–58–9) (provided for in subheading
21 2935.90.75)”;

22 (B) by striking “4.6%” and inserting
23 “4.9%”; and

24 (C) by striking “12/31/2020” and inserting
25 “12/31/2023”.

1 (53) COPPER PHTHALOCYANINE BLUE
2 CRUDE.—Heading 9902.08.59 is amended—

3 (A) by amending the article description to
4 read as follows: “Copper phthalocyanine
5 ((Phthalocyanato(2-))-copper), not ready for
6 use as pigment (PCN Blue Crude) (CAS No.
7 147–14–8) (provided for in subheading
8 3204.17.20)”;

9 (B) by striking “3.3%” and inserting
10 “3%”; and

11 (C) by striking “12/31/2020” and inserting
12 “12/31/2023”.

13 (54) SPIROTETRAMAT FORMULATIONS.—Head-
14 ing 9902.09.24 is amended—

15 (A) by amending the article description to
16 read as follows: “Product mixtures containing
17 (5s, 8s)-3-(2,5-dimethylphenyl)-8-methoxy-2-
18 oxo-1-azaspiro [4.5] dec-3-en-4-yl ethyl car-
19 bonate (Spirotetramat) (CAS No. 203313–25–
20 1) (provided for in subheading 3808.91.25)”;

21 (B) by striking “5.2%” and inserting
22 “Free”; and

23 (C) by striking “12/31/2020” and inserting
24 “12/31/2023”.

1 (55) PROTHIOCONAZOLE AND TEBUCONAZOLE
2 FORMULATIONS.—Heading 9902.09.50 is amend-
3 ed—

4 (A) by amending the article description to
5 read as follows: “Product mixtures containing
6 2-[(2RS)-2-(1-chlorocyclopropyl)-3-(2-
7 chlorophenyl) -2-hydroxypropyl]-2H-1,2,4-tri-
8 azole-3 (4H)-thione (Prothioconazole) (CAS No.
9 178928–70–6) and (RS)-1-p-chlorophenyl-4,4-
10 dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)
11 pentan-3-ol (Tebuconazole) (CAS No. 107534–
12 96–3) (provided for in subheading
13 3808.92.15)”;

14 (B) by striking “4.9%” and inserting
15 “3.2%”; and

16 (C) by striking “12/31/2020” and inserting
17 “12/31/2023”.

18 (56) TRIFLOXYSTROBIN AND
19 PROTHIOCONAZOLE FORMULATIONS.—Heading
20 9902.09.51 is amended—

21 (A) by amending the article description to
22 read as follows: “Product mixtures containing
23 methyl (E)-methoxyimino-{(E)-2-[1-(α,α,α -
24 trifluoro-m-tolyl) ethylideneaminoxy]-o-
25 tolyl}acetate (Trifloxystrobin) (CAS No.

1 141517-21-7) and 2-[(2RS)-2-(1-
2 chlorocyclopropyl)-3-(2-chlorophenyl) -2-
3 hydroxypropyl]-2H-1,2,4-triazole-3(4H)-thione
4 (Prothioconazole) (CAS No. 178928-70-6)
5 (provided for in subheading 3808.92.15)”;

6 (B) by striking “4.0%” and inserting
7 “Free”; and

8 (C) by striking “12/31/2020” and inserting
9 “12/31/2023”.

10 (57) PROPOXYCARBAZONE-SODIUM FORMULA-
11 TIONS.—Heading 9902.09.85 is amended—

12 (A) by amending the article description to
13 read as follows: “Product mixtures containing
14 sodium {[2-(methoxycarbonyl) phenyl]sulfonyl}
15 [(4,5-dihydro-4-methyl-5-oxo-3-propoxy-1H-
16 1,2,4-triazol-1-yl) carbonyl] azanide
17 (Propoxycarbazone sodium) (CAS No. 181274-
18 15-7) (provided for in subheading
19 3808.93.15)”;

20 (B) by striking “3.8%” and inserting
21 “Free”; and

22 (C) by striking “12/31/2020” and inserting
23 “12/31/2023”.

24 (58) HERBICIDE FOR BROADLEAF WEEDS.—
25 Heading 9902.09.86 is amended—

1 (A) by amending the article description to
2 read as follows: “Product mixtures containing
3 (5-hydroxy-1,3-dimethyl-1H-pyrazol-4-yl)[2-
4 (methylsulfonyl)-4-(trifluoromethyl) phenyl]
5 methanone (Pyrasulfotole) (CAS No. 365400-
6 11-9); (2,6-dibromo-4-cyanophenyl) octanoate
7 (Bromoxynil Octanoate) (CAS No. 1689-99-2);
8 2,6-dibromo-4-cyanophenyl heptanoate
9 (Bromoxynil Heptanoate) (CAS No. 56634-95-
10 8); and diethyl 1-(2,4-dichlorophenyl)-5-methyl-
11 4,5-dihydro-1H-pyrazole-3,5-dicarboxylate
12 (Mefenpyr-diethyl) (CAS No. 135590-91-9)
13 (provided for in subheading 3808.93.15)”;

14 (B) by striking “3.7%” and inserting
15 “2.6%”; and

16 (C) by striking “12/31/2020” and inserting
17 “12/31/2023”.

18 (59) ASULAM SODIUM SALT FORMULATIONS.—

19 Heading 9902.09.96 is amended—

20 (A) by amending the article description to
21 read as follows: “Mixtures of methyl
22 sulfanilylcarbamate, sodium salt (Asulam so-
23 dium salt) (CAS No. 2302-17-2) and applica-
24 tion adjuvants (provided for in subheading
25 3808.93.15)”;

1 (B) by striking “2.0%” and inserting
2 “3.7%”; and

3 (C) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (60) ISOXAFLUTOLE AND CYPROSULFAMIDE
6 FORMULATIONS.—Heading 9902.10.01 is amend-
7 ed—

8 (A) by amending the article description to
9 read as follows: “Mixtures containing 5-
10 cyclopropyl-4-(2-mesyl-4-trifluoromethylbenzoyl)
11 isoxazole (Isoxaflutole) (CAS No. 141112–29–
12 0) and N-({4-[(cyclopropylamino) car-
13 bonyl]phenyl} sulfonyl)-2-methoxybenzamide
14 (Cyprosulfamide) (CAS No. 221667–31–8)
15 (provided for in subheading 3808.93.15)”;

16 (B) by striking “2.5%” and inserting
17 “5%”; and

18 (C) by striking “12/31/2020” and inserting
19 “12/31/2023”.

20 (61) ISOXADIFEN-ETHYL AND TEMBOTRIONE
21 FORMULATIONS.—Heading 9902.10.02 is amend-
22 ed—

23 (A) by amending the article description to
24 read as follows: “Product mixtures containing
25 ethyl 5,5-diphenyl-4H-1,2-oxazole-3-carboxylate

1 (Isoxadifen-ethyl) (CAS No. 163520–33–0) and
2 2-{2-chloro-4-(methylsulfonyl)-3-[(2,2,2-
3 trifluoroethoxy)methyl]benzoyl} -1,3-
4 cyclohexanedione (Tembotrione) (CAS No.
5 335104–84–2) (provided for in subheading
6 3808.93.15)”;

7 (B) by striking “1.3%” and inserting
8 “Free”; and

9 (C) by striking “12/31/2020” and inserting
10 “12/31/2023”.

11 (62) INDAZIFLAM FORMULATIONS.—Heading
12 9902.10.09 is amended—

13 (A) by amending the article description to
14 read as follows: “Mixtures containing N-
15 [(1R,2S)-2,6-dimethyl-2,3-dihydro-1H-inden-1-
16 yl]-6-[(1R)-1-fluoroethyl]-1,3,5-triazine-2,4-
17 diamine (Indaziflam) (CAS No. 950782–86–2)
18 and application adjuvants (provided for in sub-
19 heading 3808.93.15)”;

20 (B) by striking “5.6%” and inserting
21 “5.1%”; and

22 (C) by striking “12/31/2020” and inserting
23 “12/31/2023”.

24 (63) HERBICIDE MIXTURES.—Heading
25 9902.10.10 is amended—

1 (A) by amending the article description to
2 read as follows: “Mixtures containing 2,5-di-
3 methyl-4-[2-methylsulfonyl-4-
4 (trifluoromethyl)benzoyl]-1H-pyrazol-3-one
5 (Pyrasulfotole) (CAS No. 365400–11–9); 2,6-
6 dibromo-4-cyanophenyl octanoate (Bromoxynil
7 Octanoate) (CAS No. 1689–99–2); methyl 4-
8 {[(3-methoxy-4-methyl-5-oxo-4,5-dihydro -1H-
9 1,2,4-triazol-1-yl) carbonyl] sulfamoyl}-5-meth-
10 yl-3-thiophenecarboxylate (Thiencarbazone-
11 Methyl) (CAS No. 317815–83–1); and diethyl
12 1-(2,4-dichlorophenyl)-5-methyl-4,5-dihydro-1H-
13 pyrazole -3,5-dicarboxylate (Mefenpyr-diethyl)
14 (CAS No. 135590–91–9) (provided for in sub-
15 heading 3808.93.15)”;

16 (B) by striking “3.6%” and inserting
17 “2.6%”; and

18 (C) by striking “12/31/2020” and inserting
19 “12/31/2023”.

20 (64) PRODUCT USED AS LUBRICANT OR MOLD
21 RELEASE MATERIAL.—Heading 9902.10.93 is
22 amended—

23 (A) by amending the article description to
24 read as follows: “Ethene, 1,1,2,2-tetrafluoro-,
25 oxidized, polymerized, reduced, methyl esters,

1 reduced (CAS No. 88645–29–8) (provided for
2 in subheading 3904.69.50)”;

3 (B) by striking “2.1%” and inserting
4 “Free”; and

5 (C) by striking “12/31/2020” and inserting
6 “12/31/2023”.

7 (65) HEAT-CURABLE EPOXY RESIN MIX-
8 TURES.—Heading 9902.11.15 is amended—

9 (A) by amending the article description to
10 read as follows: “Heat-curable epoxy resin mix-
11 tures containing more than 30 percent by
12 weight of 4,4’-(9H-fluorene-9,9-diyl)bis(2-
13 chloroaniline) (CAS No. 107934–68–9) as a
14 curing agent (provided for in subheading
15 3907.30.00)”;

16 (B) by striking “Free” and inserting
17 “3.4%”; and

18 (C) by striking “12/31/2020” and inserting
19 “12/31/2023”.

20 (66) POLYMER OF 1,4-BENZENEDICARBOXYLIC
21 ACID WITH 1,4-BUTANEDIOL AND HEXANEDIOIC
22 ACID.—Heading 9902.11.23 is amended—

23 (A) by amending the article description to
24 read as follows: “Polymer of 1,4-
25 benzenedicarboxylic acid with 1,4-butanediol

1 and hexanedioic acid (CAS No. 60961–73–1)
2 (provided for in subheading 3907.99.50)”;

3 (B) by striking “1.6%” and inserting
4 “3.6%”; and

5 (C) by striking “12/31/2020” and inserting
6 “12/31/2023”.

7 (67) SET OF PLASTIC CUTLERY WRAPPED IN
8 PAPER.—Heading 9902.11.96 is amended—

9 (A) by amending the article description to
10 read as follows: “Cutlery of plastics, presented
11 with quantities of identical cutlery items joined
12 together by paper wrapping or paper banding
13 designed for ease of loading in a fully enclosed
14 dispensing system (provided for in subheading
15 3924.10.40)”;

16 (B) by striking “Free” and inserting
17 “1.8%”; and

18 (C) by striking “12/31/2020” and inserting
19 “12/31/2023”.

20 (68) ACRYLIC FILAMENT TOW WITH A DECITEX
21 OF 5 TO 5.6.—Heading 9902.13.04 is amended—

22 (A) by amending the article description to
23 read as follows: “Acrylic filament tow con-
24 taining 85 percent or more by weight of acrylo-
25 nitrile units and 2 percent or more but not

1 more than 8 percent of water, dyed, such tow
2 with a decitex of 5 to 5.6, an aggregate fila-
3 ment measure in the tow bundle between
4 660,000 and 1,200,000 and a length greater
5 than 2 m (provided for in subheading
6 5501.30.00)”;

7 (B) by striking “Free” and inserting
8 “1.5%”; and

9 (C) by striking “12/31/2020” and inserting
10 “12/31/2023”.

11 (69) MODACRYLIC STAPLE FIBER WITH A
12 DECITEX OF 1.7 AND A FIBER LENGTH OF 38MM.—
13 Heading 9902.13.19 is amended—

14 (A) by amending the article description to
15 read as follows: “Modacrylic staple fibers con-
16 taining by weight 2 percent or more but not
17 over 3 percent of water, not pigmented (ecru),
18 crimped, with a decitex of 1.7 and fiber length
19 of 38 mm (provided for in subheading
20 5503.30.00)”;

21 (B) by striking “Free” and inserting
22 “0.6%”; and

23 (C) by striking “12/31/2020” and inserting
24 “12/31/2023”.

1 (70) HAND-TUFTED WOOL CARPETS.—Heading
2 9902.13.42 is amended—

3 (A) by amending the article description to
4 read as follows: “Carpets and other textile floor
5 coverings, tufted, whether or not made up, of
6 wool or fine animal hair, hand-hooked, that is,
7 in which the tufts were inserted by hand or by
8 means of a hand tool that is not power-driven
9 (provided for in subheading 5703.10.20)”;

10 (B) by striking “5.8%” and inserting
11 “5.3%”; and

12 (C) by striking “12/31/2020” and inserting
13 “12/31/2023”.

14 (71) WOMEN’S FOOTWEAR MADE ON A BASE OR
15 PLATFORM OF WOOD.—Heading 9902.14.20 is
16 amended—

17 (A) by amending the article description to
18 read as follows: “Footwear for women, with
19 outer soles of rubber or plastics and uppers of
20 leather, made on a base or platform of wood
21 (provided for in subheading 6403.99.20)”;

22 (B) by striking “1.4%” and inserting
23 “Free”; and

24 (C) by striking “12/31/2020” and inserting
25 “12/31/2023”.

1 (72) SCISSORS, VALUED OVER \$1.75 PER
2 DOZEN.—Heading 9902.15.31 is amended—

3 (A) by amending the article description to
4 read as follows: “Scissors, valued over \$1.75/
5 dozen, each with stainless steel blades, one
6 small loop handle and one larger loop handle
7 and with an overall length of less than 17 cm,
8 the foregoing other than those scissors designed
9 for use in pet grooming and presented with at-
10 tached retail labeling or put up for retail sale
11 as goods designed to cut pet hair (provided for
12 in subheading 8213.00.90)”;

13 (B) by striking “4.2%” and inserting
14 “2.5%”; and

15 (C) by striking “12/31/2020” and inserting
16 “12/31/2023”.

17 (73) TIRE ASSEMBLY MACHINES.—Heading
18 9902.15.82 is amended—

19 (A) by amending the article description to
20 read as follows: “Machinery for molding, assem-
21 bling or otherwise forming uncured,
22 unvulcanized rubber (green) tires (provided for
23 in subheading 8477.59.01), the foregoing to be
24 used in production of new pneumatic tires de-
25 signed in all sizes for motor cars (such tires of

1 subheadings 4011.10.10 and 4011.10.50),
2 buses and trucks (such tires of subheadings
3 4011.20.10 and 4011.20.50), motorcycles (such
4 tires of subheading 4011.40.00) and agricul-
5 tural, forestry, construction or industrial vehi-
6 cles (such tires of subheadings 4011.70.00,
7 4011.80.10, 4011.80.20, 4011.80.80,
8 4011.90.10, 4011.90.20 and 4011.90.80)”;

9 (B) by striking “2.5%” and inserting
10 “2.1%”; and

11 (C) by striking “12/31/2020” and inserting
12 “12/31/2023”.

13 (74) FUEL INJECTORS.—Heading 9902.15.94
14 is amended—

15 (A) by amending the article description to
16 read as follows: “Fuel injectors (other than
17 used), each incorporating a valve and a micro-
18 stamped orifice hole, certified by the importer
19 as designed to deliver fuel to the combustion
20 chamber of a gasoline engine with a pressure
21 not exceeding 120 MPa (1200 bar) (provided
22 for in subheading 8481.80.90)”;

23 (B) by striking “1.9%” and inserting
24 “1.3%”; and

1 (C) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (75) SUBSEA FLOW MODULES.—Heading
4 9902.15.95 is amended—

5 (A) by amending the article description to
6 read as follows: “Valves, capable of operating at
7 pressures of 68.94 MPa or more (provided for
8 in subheading 8481.80.90), for controlling pro-
9 duction flow through a subsea tree, each valve
10 mounted in a module that can be unlocked by
11 a remotely operated underwater vehicle for sub-
12 sequent removal and replacement”;

13 (B) by striking “Free” and inserting
14 “0.4%”; and

15 (C) by striking “12/31/2020” and inserting
16 “12/31/2023”.

17 (76) USED TRANSMISSIONS.—Heading
18 9902.16.01 is amended—

19 (A) by amending the article description to
20 read as follows: “Used fixed ratio speed chang-
21 ers (provided for in subheading 8483.40.50),
22 other than transmissions for the vehicles of
23 headings 8701, 8702, 8703, 8704 and 8705”;

24 (B) by striking “1.9%” and inserting
25 “Free”; and

1 (C) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (77) MOTOR ASSEMBLIES FOR ELECTRIC BOX
4 FANS.—Heading 9902.16.08 is amended—

5 (A) by amending the article description to
6 read as follows: “AC electric motors of an out-
7 put exceeding 37.5 W but not exceeding 74.6
8 W, single phase, each equipped with a capac-
9 itor, rotary speed control mechanism and a
10 motor mounting cooling ring (provided for in
11 subheading 8501.40.20)”;

12 (B) by striking “Free” and inserting
13 “1.1%”; and

14 (C) by striking “12/31/2020” and inserting
15 “12/31/2023”.

16 (78) MOTOR ASSEMBLIES FOR OSCILLATING
17 FANS.—Heading 9902.16.09 is amended—

18 (A) by amending the article description to
19 read as follows: “AC electric motors of an out-
20 put exceeding 37.5 W but not exceeding 72 W,
21 single phase, each equipped with a capacitor, a
22 speed control mechanism, and a motor mount
23 of plastics and a self-contained gear mechanism
24 for oscillation (provided for in subheading
25 8501.40.20)”;

1 (B) by striking “2.0%” and inserting
2 “2.3%”; and

3 (C) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (79) ELECTRIC MULTI-COOKERS.—Heading
6 9902.16.74 is amended—

7 (A) by amending the article description to
8 read as follows: “Electrothermic multifunctional
9 cookers (multicookers) of a kind used for do-
10 mestic purposes, each incorporating a timer and
11 designed to prepare foods by various methods,
12 including boiling, simmering, baking, frying,
13 roasting or stewing (provided for in subheading
14 8516.79.00), the foregoing without a thermom-
15 eter probe”;

16 (B) by striking “Free” and inserting
17 “2.3%”; and

18 (C) by striking “12/31/2020” and inserting
19 “12/31/2023”.

20 (80) BABY STROLLER SYSTEMS.—Heading
21 9902.17.14 is amended—

22 (A) by amending the article description to
23 read as follows: “Baby strollers, each with chas-
24 sis presented with removable seat and remov-
25 able bassinet, with the seat designed to be at-

1 tached to the chassis base plate, with the seat
2 backrest designed to allow a child to be in a re-
3 clining position or to be supported at varying
4 backrest angles; the foregoing not including any
5 such stroller with a tilting or tilted seat only
6 (provided for in subheading 8715.00.00)”;

7 (B) by striking “Free” and inserting
8 “2.5%”; and

9 (C) by striking “12/31/2020” and inserting
10 “12/31/2023”.

11 (81) IRON HEAD GOLF CLUBS.—Heading
12 9902.17.59 is amended—

13 (A) by amending the article description to
14 read as follows: “Golf club heads designed for
15 clubs designated as 1-irons, 2-irons, 3-irons, 4-
16 irons or 5-irons (provided for in subheading
17 9506.39.00)”;

18 (B) by striking “1.0%” and inserting
19 “2.1%”; and

20 (C) by striking “12/31/2020” and inserting
21 “12/31/2023”.

22 (82) GOLF CLUB IRON HEADS OF 6-IRONS AND
23 7-IRONS.—Heading 9902.17.62 is amended—

24 (A) by amending the article description to
25 read as follows: “Golf club heads designed for

1 clubs designated as 6-irons and 7-irons (pro-
2 vided for in subheading 9506.39.00)”;

3 (B) by striking “1.0%” and inserting
4 “2.4%”; and

5 (C) by striking “12/31/2020” and inserting
6 “12/31/2023”.

7 **Subtitle C—Effective Date and** 8 **Technical Corrections Authority**

9 **SEC. 108461. EFFECTIVE DATE.**

10 (a) IN GENERAL.—The amendments made by this
11 title apply to articles entered on or after the date that
12 is 120 days before the date of the enactment of this Act.

13 (b) RETROACTIVE APPLICATION.—

14 (1) IN GENERAL.—Notwithstanding section 514
15 of the Tariff Act of 1930 (19 U.S.C. 1514) or any
16 other provision of law and subject to paragraph (2),
17 any entry of an article classifiable under a heading
18 of subchapter II of chapter 99 of the Harmonized
19 Tariff Schedule of the United States added or
20 amended by this title—

21 (A) that was made—

22 (i) on or after the date that is 120
23 days before the date of the enactment of
24 this Act, and

1 (ii) before the date of the enactment
2 of this Act, and

3 (B) to which a lower rate of duty would
4 apply if the entry were made on or after such
5 date of enactment,

6 shall be liquidated or reliquidated as though such
7 entry occurred on such date of enactment.

8 (2) REQUESTS.—A liquidation or reliquidation
9 may be made under paragraph (1) with respect to
10 an entry only if a request therefor is filed with U.S.
11 Customs and Border Protection not later than 300
12 days after the date of the enactment of this Act that
13 contains sufficient information to enable U.S. Cus-
14 toms and Border Protection—

15 (A) to locate the entry; or

16 (B) to reconstruct the entry if it cannot be
17 located.

18 (c) DEFINITIONS.—In this section, the terms “enter”
19 and “entry” include a withdrawal from warehouse for con-
20 sumption.

21 **SEC. 108462. AUTHORITY TO MAKE TECHNICAL AND CON-**
22 **FORMING CHANGES.**

23 The United States Trade Representative is author-
24 ized to make such conforming changes to the article de-
25 scriptions of subchapter II of chapter 99 of the Har-

1 monized Tariff Schedule of the United States, as added
2 or amended by this title, as may be necessary to ensure
3 that such article descriptions conform to and are otherwise
4 in accordance with the modifications to the Harmonized
5 Tariff Schedule proclaimed by the President pursuant to
6 Presidential Proclamation 10326 (86 Fed. Reg. 73593; re-
7 lating to modifying the Harmonized Tariff Schedule of the
8 United States and for other purposes).

9 **DIVISION L—COMMITTEE ON**
10 **TRANSPORTATION AND IN-**
11 **FRAStructure**

12 **SEC. 110001. RECOMPETE PILOT PROGRAM.**

13 (a) AUTHORIZATION OF APPROPRIATIONS.—There is
14 authorized to be appropriated \$4,000,000,000 for fiscal
15 years 2022 through 2025 to remain available until ex-
16 pended, to the Department of Commerce for economic ad-
17 justment assistance as authorized by section 209 of the
18 Public Works and Economic Development Act of 1965 (42
19 U.S.C. 3149) to establish a pilot program, to be known
20 as the “Recompete Pilot Program”, to provide grants to
21 eligible recipients to carry out activities in eligible areas
22 and Tribal lands represented by an eligible recipient to
23 alleviate persistent economic distress and support long-
24 term comprehensive economic development and job cre-
25 ation in eligible areas, except that sections 204 and 301

1 of such Act shall not apply to a grant provided under this
2 section.

3 (b) TERM.—A grant shall have a term of 10 fiscal
4 years and be disbursed at such time and in such manner
5 as determined by the Secretary of Commerce in accord-
6 ance with benchmarking requirements established by the
7 Secretary.

8 (c) ALLOCATION OF FUNDS.—Of the funds provided
9 by this section—

10 (1) not less than 96 percent shall be used for
11 grants to be awarded to eligible recipients rep-
12 resenting eligible areas to carry out activities de-
13 scribed in a recompete plan that has been approved
14 by the Secretary of Commerce;

15 (2) not more than 1 percent may be used for
16 planning and technical assistance grants to be
17 awarded to eligible recipients representing eligible
18 areas to develop a recompete plan and carry out
19 predevelopment activities; and

20 (3) not more than 3 percent shall be used for
21 the administrative costs of carrying out this section.

22 (d) LIMITATIONS.—

23 (1) LIMITATION ON ELIGIBLE AREAS.—An eligi-
24 ble area may not benefit from more than 1 grant de-

1 scribed in subsection (c)(1) and 1 grant described in
2 subsection (c)(2).

3 (2) LIMITATION ON RECIPIENTS.—For purposes
4 of the program under this section, an eligible recipi-
5 ent may not receive a grant described in subsection
6 (c)(1) on behalf of more than 1 eligible area.

7 (e) AWARD AMOUNT.—In determining the amount of
8 a grant that an eligible recipient may be awarded under
9 subsection (c)(1), the Secretary shall—

10 (1) take into consideration the proposed activi-
11 ties and projected expenditures outlined in an ap-
12 proved recompetete plan; and

13 (2) use not more than the product obtained by
14 multiplying—

15 (A) the prime-age employment gap of the
16 eligible area;

17 (B) the prime-age population of the eligible
18 area; and

19 (C) either—

20 (i) \$70,585 for local labor markets; or

21 (ii) \$53,600 for local communities.

22 (f) DEFINITIONS.—In this section:

23 (1) ELIGIBLE AREA.—The term “eligible area”
24 means either of the following:

25 (A) A local labor market that—

1 (i) has a prime-age employment gap
2 equal to not less than 2.5 percent; and

3 (ii) meets additional criteria as the
4 Secretary may establish.

5 (B) A local community that—

6 (i) has a prime-age employment gap
7 equal to not less than 5 percent;

8 (ii) is not located within an eligible
9 local labor market that meets the criteria
10 described in subparagraph (A);

11 (iii) has a median annual household
12 income of not more than \$75,000; and

13 (iv) meets additional criteria as the
14 Secretary may establish.

15 (2) ELIGIBLE RECIPIENT.—The term “eligible
16 recipient” means a specified entity that is either—

17 (A) the sole unit of general local govern-
18 ment contained within or with jurisdiction over
19 an eligible area;

20 (B) a specified entity which has been au-
21 thorized by the units of local government con-
22 tained within or with jurisdiction over an eligi-
23 ble area to represent and act on behalf of the
24 eligible area for the purposes of the Recompete
25 Pilot Program.

1 (3) LOCAL LABOR MARKET.—The term “local
2 labor market” means any of the following areas that
3 contains 1 or more specified entities described in
4 subparagraphs (A) through (D) of paragraph (6):

5 (A) A metropolitan statistical area or
6 micropolitan statistical area, excluding any area
7 described in subparagraph (C).

8 (B) A commuting zone, excluding any
9 areas described in subparagraphs (A) and (C).

10 (C) The Tribal land with a Tribal prime-
11 age population represented by a Tribal govern-
12 ment.

13 (4) LOCAL COMMUNITY.—The term “local com-
14 munity” means the area served by a unit of general
15 local government that is located within, but does not
16 cover the entire area of, a local labor market that
17 does not meet the criteria described in paragraph
18 (1)(A).

19 (5) PRIME-AGE EMPLOYMENT GAP.—

20 (A) IN GENERAL.—The term “prime-age
21 employment gap” means the difference (ex-
22 pressed as a percentage) between—

23 (i) the national 5-year average prime-
24 age employment rate; and

1 (ii) the 5-year average prime-age em-
2 ployment rate of the eligible area.

3 (B) CALCULATION.—For the purposes of
4 subparagraph (A), an individual is prime-age if
5 such individual between the ages of 25 years
6 and 54 years.

7 (6) RECOMPETE PLAN.—The term “recompete
8 plan” means a comprehensive 10-year economic de-
9 velopment plan that—

10 (A) includes—

11 (i) proposed programs and activities
12 to be carried out with a grant awarded
13 under subsection (c)(1) to address the eco-
14 nomic challenges of the eligible area in a
15 comprehensive manner that promotes long-
16 term, sustained economic growth, lasting
17 job creation, per capita wage increases,
18 and reduction in the prime-age employ-
19 ment gap of the eligible area;

20 (ii) projected costs and annual ex-
21 penditures and proposed disbursement
22 schedule; and

23 (iii) other information as the Sec-
24 retary determines appropriate;

1 (B) is developed by an eligible recipient
2 that is the recipient of a planning and technical
3 assistance grant described in subsection (c)(2);
4 and

5 (C) is submitted to the Secretary for ap-
6 proval for an eligible recipient to be considered
7 for a grant described in subsection (c)(1).

8 (7) SPECIFIED ENTITY.—The term “specified
9 entity” means—

10 (A) a unit of local government;

11 (B) the District of Columbia;

12 (C) a territory or possession of the United
13 States;

14 (D) a Tribal government;

15 (E) a State-authorized political subdivision
16 or other entity, including a special-purpose enti-
17 ty engaged in economic development activities;

18 (F) a public entity or nonprofit organiza-
19 tion, acting in cooperation with the officials of
20 a political subdivision or entity described in
21 subparagraph (E);

22 (G) an economic development district (as
23 defined in section 3 of the Public Works and
24 Economic Development Act of 1965 (42 U.S.C.
25 3122)); and

1 (H) a consortium of any of the specified
2 entities described in this paragraph which serve
3 or are contained within the same eligible area.

4 (8) TRIBAL GOVERNMENT.—The term “Tribal
5 government” means the recognized governing body
6 of any Indian or Alaska Native Tribe, band, nation,
7 pueblo, village, community, component band, or com-
8 ponent reservation, individually identified (including
9 parenthetically) in the list published by the Bureau
10 of Indian Affairs on January 29, 2021, pursuant to
11 section 104 of the Federally Recognized Indian
12 Tribe List Act of 1994 (25 U.S.C. 5131).

13 (9) TRIBAL LAND.—The term “Tribal land”
14 means any land—

15 (A) located within the boundaries of an In-
16 dian reservation, pueblo, or rancheria; or

17 (B) not located within the boundaries of an
18 Indian reservation, pueblo, or rancheria, the
19 title to which is held—

20 (i) in trust by the United States for
21 the benefit of an Indian Tribe or an indi-
22 vidual Indian;

23 (ii) by an Indian Tribe or an indi-
24 vidual Indian, subject to restriction against

1 alienation under laws of the United States;
2 or

3 (iii) by a dependent Indian commu-
4 nity.

5 (10) TRIBAL PRIME-AGE POPULATION.—

6 (A) IN GENERAL.—The term “Tribal
7 prime-age population” shall be equal to the sum
8 obtained by adding—

9 (i) the product obtained by multi-
10 plying—

11 (I) the total number of individ-
12 uals ages 25 through 54 residing on
13 the Tribal land of the Tribal govern-
14 ment; and

15 (II) 0.65; and

16 (ii) the product obtained by multi-
17 plying—

18 (I) the total number of individ-
19 uals ages 25 through 54 included on
20 the membership roll of the Tribal gov-
21 ernment; and

22 (II) 0.35.

23 (B) USE OF DATA.—A calculation under
24 subparagraph (A) shall be determined based on
25 data provided by the applicable Tribal govern-

1 ment to the Department of the Treasury under
2 the Coronavirus State and Local Fiscal Recov-
3 ery Fund programs under title VI of the Social
4 Security Act (42 U.S.C. 801 et seq.).

