

**AMENDMENT IN THE NATURE OF A SUBSTITUTE  
TO H.R. 6996  
OFFERED BY MR. FINE OF FLORIDA**

Strike all after the enacting clause and insert the following:

**1 SECTION 1. SHORT TITLE.**

2       This Act may be cited as the “Full AI Stack Export  
3 Promotion Act”.

**4 SEC. 2. FINDING.**

5       Congress finds that the United States is in a race  
6 to achieve global dominance in artificial intelligence, the  
7 winner of which will reap broad economic and national se-  
8 curity benefits.

**9 SEC. 3. STATEMENT OF POLICY.**

10       It is the policy of the United States to—

11           (1) maintain United States dominance in the  
12 global deployment of artificial intelligence;

13           (2) drive adoption of the United States full AI  
14 stack by allies and partners;

15           (3) reduce the barriers faced by United States  
16 firms to export the United States full AI stack;

17           (4) counter malign influence by the People’s  
18 Republic of China in international governance bodies

1 and ensure the global deployment of the full AI  
2 stack strengthens United States values abroad; and  
3 (5) prevent illicit foreign adversary access to  
4 the United States full AI stack deployed abroad.

5 **SEC. 4. INDUSTRY CONSORTIA FOR EXPORTING THE FULL**  
6 **AI STACK.**

7 (a) IN GENERAL.—The Secretary of Commerce shall  
8 establish and carry out a program to identify and receive  
9 proposals which meet United States-approved security re-  
10 quirements and standards from industry consortia to fa-  
11 cilitate the export of the United States full AI stack to  
12 allies and partners. An industry consortia shall be eligible  
13 to submit proposals to the program under this subsection  
14 if the consortia is established only for the purposes of par-  
15 ticipating in such program.

16 (b) REPORT.—Not later than 180 days after the date  
17 on which the program required by subsection (a) is estab-  
18 lished, the Secretary of Commerce shall submit to the ap-  
19 propriate congressional committees a report on the status  
20 and results of such program.

21 **SEC. 5. ELIMINATING FOREIGN BARRIERS TO THE UNITED**  
22 **STATES FULL AI STACK.**

23 (a) IN GENERAL.—The Secretary of Commerce, in  
24 consultation with the Secretary of State, shall work to in-

1 crease efforts to eliminate foreign barriers to the export  
2 of the United States full AI stack, including—

3 (1) carrying out activities such as holding reg-  
4 ular industry listening sessions;

5 (2) establishing a hotline for industry to com-  
6 municate barriers to exporting the United States full  
7 AI stack;

8 (3) elevating appropriate diplomatic channels;  
9 and

10 (4) carrying out other relevant actions such  
11 Secretaries determine appropriate.

12 (b) DIPLOMATIC STRATEGY.—Not later than 180  
13 days after the enactment of this Act, the Secretary of  
14 State, in consultation with the Secretary of Commerce,  
15 shall establish a diplomatic strategy outlining how the  
16 United States will address the following:

17 (1) Easing access by United States AI compa-  
18 nies to foreign markets through the Foreign Com-  
19 mercial Service and diplomatic and consular posts  
20 abroad.

21 (2) Communicating to foreign countries the im-  
22 portance and benefits of using the United States full  
23 AI stack to deploy artificial intelligence.

24 (3) Leveraging the United States position in  
25 international diplomatic and standard-setting bodies

1 to advocate for international AI governance ap-  
2 proaches that promote innovation, reflect American  
3 values, and counter authoritarian influence.

4 (c) REPORT.—Not later than 180 days after the date  
5 on which the strategy required by subsection (b) is com-  
6 pleted, the Secretary of State, in consultation with the  
7 Secretary of Commerce, shall submit to the appropriate  
8 congressional committees the strategy and a report detail-  
9 ing the efforts to implement the strategy.

10 **SEC. 6. STUDY ON GLOBAL AI DEPLOYMENT.**

11 (a) IN GENERAL.—The Secretary of Commerce, in  
12 coordination with the Director of National Intelligence  
13 and the Secretary of State, shall conduct a study on the  
14 benefits and impact of the global deployment of United  
15 States artificial intelligence.

16 (b) MATTERS TO BE ADDRESSED.—The study re-  
17 quired by subsection (a) shall address the following:

18 (1) The economic, diplomatic, and technological  
19 impact on the United States and its allies by the  
20 global deployment of the United States full AI stack.

21 (2) The impact on United States economic, dip-  
22 lomatic, and technological leadership by the global  
23 deployment of the United States full AI stack.

24 (3) How the global deployment of the United  
25 States full AI stack assists countries worldwide in

1       advancing economic prosperity, improving quality of  
2       life, expanding healthcare and educational access for  
3       their citizens, and growing access to AI.

4           (4) The competitive position of the United  
5       States full AI stack globally, compared to similar  
6       technology developed by foreign countries.

7           (5) How the global deployment of the United  
8       States full AI stack enhances or affects United  
9       States and allied security.

10          (6) How the global deployment of the United  
11       States full AI stack compares to alternatives offered  
12       by foreign competitors according to a variety of  
13       measures, including risk and safety.

14          (7) Priority regions and countries for exporting  
15       the United States full AI stack abroad.

16       (c) REPORT.—

17           (1) IN GENERAL.—Not later than 360 days  
18       after the date of the enactment of this Act, the Sec-  
19       retary of Commerce, in consultation with the Sec-  
20       retary of State, shall submit to the appropriate con-  
21       gressional committees a report on the results of the  
22       study required by subsection (a).

23           (2) FORM.—The report required by this sub-  
24       section shall be submitted in unclassified form but  
25       may include a classified annex.

1 **SEC. 7. SECURITY OF UNITED STATES ARTIFICIAL INTEL-**  
2 **LIGENCE SEMICONDUCTOR PRODUCTS.**

3 (a) IN GENERAL.—The Secretary of Commerce, in  
4 coordination with the Secretary of State, the Secretary of  
5 Defense, and the Secretary of Energy, shall work with for-  
6 eign purchasers of the United States full AI stack to insti-  
7 tute security measures to prevent illicit or unauthorized  
8 foreign adversary access to the United States full AI  
9 stack.

10 (b) 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 Commerce shall submit to the appropriate  
14 congressional committees a report on the develop-  
15 ment and implementation of the security measures  
16 described in subsection (a).

17 (2) MATTERS TO BE ADDRESSED.—The report  
18 required by this subsection shall address the fol-  
19 lowing:

20 (A) Plans to increase the speed and secu-  
21 rity of the deployment of the United States full  
22 AI stack, such as creating standardized security  
23 requirements for the United States full AI  
24 stack deployed in third countries.

25 (B) Agreements reached with countries  
26 which are designed to promote the adoption of

1 the United States full AI stack, including ef-  
2 forts to prevent illicit or unauthorized foreign  
3 adversary access to the United States full AI  
4 stack.

5 (C) The security measures that foreign  
6 purchasers of the United States full AI stack  
7 must undertake to prevent transfer of the  
8 United States full AI stack to foreign adver-  
9 saries, including by remote access.

10 (D) The presence of foreign adversary  
11 hardware and software within the artificial in-  
12 telligence supply chains of foreign purchasers of  
13 the United States full AI stack, and supply-  
14 chain security measures that foreign purchasers  
15 of the United States full AI stack take to elimi-  
16 nate that presence.

17 (E) Any other information regarding the  
18 security of the United States full AI stack the  
19 Secretary of Commerce determines relevant.

20 (3) FORM.—The report required by this sub-  
21 section shall be submitted in unclassified form but  
22 may include a classified annex.

23 **SEC. 8. AI FULL STACK CONFIDENCE INITIATIVE.**

24 Not later than 180 days after the date of the enact-  
25 ment of this Act, the Secretary of Commerce, in consulta-

1 tion with the Secretary of State, and the industry con-  
2 sortia identified in section 4, shall develop generally appli-  
3 cable practices, product offerings, or related standards to  
4 help demonstrate confidence and reassurance to major na-  
5 tional purchasers of the United States full AI stack of the  
6 privacy, confidentiality, security, and effectiveness of the  
7 United States full AI stack for achieving the economic and  
8 security goals of major foreign purchasers.

9 **SEC. 9. AI FULL STACK EXPORT SUCCESS TRACKER.**

10 (a) IN GENERAL.—Not later than 360 days after the  
11 date of the enactment of this Act, and every 6 months  
12 thereafter for five years, the Secretary of Commerce, in  
13 coordination with the Director of National Intelligence  
14 and the Secretary of State, shall complete an estimate of  
15 the success of the export of the United States full AI stack  
16 (in this section referred to as the “AI export success track-  
17 er”).

18 (b) CONTENTS.—The AI export success tracker shall  
19 contain the following elements:

20 (1) An estimate of each country’s installed arti-  
21 ficial intelligence, measured by total national com-  
22 puting capacity and total national memory band-  
23 width.

1           (2) An estimate of what proportion of globally  
2 installed artificial intelligence integrated circuits are  
3 designed by United States firms.

4           (3) An estimate of what proportion of globally  
5 installed artificial intelligence is installed in data  
6 centers owned or operated by United States firms,  
7 with appropriate descriptive breakdowns for each re-  
8 gion or country.

9           (4) An estimate of the proportion of global arti-  
10 ficial intelligence model usage, measured by tokens  
11 processed, that occurs for models owned or operated  
12 by United States firms, with appropriate descriptive  
13 breakdowns for each region or country.

14           (5) An estimate of the proportion of global  
15 cloud computing services revenue and data-proc-  
16 essing capacity is attributable to cloud operators  
17 owned or operated by United States firms.

18 (c) REPORT.—

19           (1) IN GENERAL.—The Secretary of Commerce  
20 shall submit to the appropriate congressional com-  
21 mittees and make available to the public a report  
22 that contains the findings of each estimate described  
23 under subsection (b).

1           (2) FORM.—The report required by this sub-  
2           section shall be submitted in unclassified form but  
3           may include a classified annex.

4 **SEC. 10. DEFINITIONS.**

5           In this Act:

6           (1) APPROPRIATE CONGRESSIONAL COMMIT-  
7           TEES.—The term “appropriate congressional com-  
8           mittees” means—

9                   (A) the Committee on Foreign Affairs of  
10                   the House of Representatives; and

11                   (B) the Committee on Banking, Housing,  
12                   and Urban Affairs of the Senate.

13           (2) ARTIFICIAL INTELLIGENCE INTEGRATED  
14           CIRCUITS.—The term “artificial intelligence inte-  
15           grated circuits” means any semiconductor device or  
16           integrated circuit architecture that is marketed to  
17           perform artificial intelligence model training, infer-  
18           ence, or acceleration, including but not limited to  
19           graphics processing units;

20           (3) FOREIGN ADVERSARIES.—The term “for-  
21           eign adversaries” has the meaning given the term  
22           “covered nation” in section 4872(f) of title 10,  
23           United States Code.

24           (4) FULL AI STACK.—The term “full AI stack”  
25           means the compute and data infrastructure that en-

1       able artificial intelligence research and development,  
2       including high-performance computing resources,  
3       data centers, the trained algorithms deployed on  
4       such infrastructure, cloud services and infrastruc-  
5       ture, and the technical standards with which these  
6       facets operate.

7           (5) NATIONAL COMPUTING CAPACITY.—The  
8       term “national computing capacity” means the ag-  
9       gregate maximum number of floating-point oper-  
10      ations per second or equivalent operations available  
11      within a country from computing devices, processors,  
12      or systems configured for large-scale artificial intel-  
13      ligence training or inference. Computing capacity  
14      shall be calculated as the maximum number of float-  
15      ing-point operations per second, normalized at a pre-  
16      cision level determined by the Secretary of Com-  
17      merce.

18          (6) NATIONAL MEMORY BANDWIDTH.—The  
19      term “national memory bandwidth” means the ag-  
20      gregate maximum rate, expressed in bytes per sec-  
21      ond, at which data can be transferred between proc-  
22      essing elements and directly attached memory re-  
23      sources in all computing devices, processors, or sys-  
24      tems that are configured for large-scale artificial in-  
25      telligence training or inference within a country. Na-

1 tional memory bandwidth shall be measured as the  
2 sum of the sustained aggregate data transfer rates  
3 of such systems under standard benchmark condi-  
4 tions.

5 (7) UNITED STATES ARTIFICIAL INTELLIGENCE  
6 SEMICONDUCTOR PRODUCTS.—The term “United  
7 States artificial intelligence semiconductor products”  
8 means any semiconductor device or integrated circuit  
9 architecture for which design activities were con-  
10 ducted in the United States and that is marketed to  
11 perform artificial intelligence model training, infer-  
12 ence, or acceleration, including graphics processing  
13 units.

14 (8) UNITED STATES FULL AI STACK.—The  
15 term “United States full AI stack” means those  
16 parts of the full AI stack with respect to which enti-  
17 ties whose ultimate parent company is organized or  
18 headquartered in the United States are key devel-  
19 opers, manufacturers, or providers across the rel-  
20 evant parts of the supply chain for such parts.

21 (9) TOKEN.—The term “token” means a basic  
22 unit of text, code, or other data processed by an ar-  
23 tificial intelligence model, typically corresponding to  
24 a word, part of a word, or symbol, used for the pur-

- 1 pose of measuring the volume of model input or out-
- 2 put.

