

**AMENDMENT IN THE NATURE OF A SUBSTITUTE
TO H.R. 2952
OFFERED BY MR. MEEHAN OF PENNSYLVANIA**

Strike all after the enacting clause and insert the following:

1 SECTION 1. SHORT TITLE.

2 This Act may be cited as the “Critical Infrastructure
3 Research and Development Advancement Act of 2013” or
4 the “CIRDA Act of 2013”.

5 SEC. 2. DEFINITIONS.

6 Section 2 of the Homeland Security Act of 2002 (6
7 U.S.C. 101) is amended by redesignating paragraphs (15)
8 through (18) as paragraphs (16) through (19), respec-
9 tively, and by inserting after paragraph (14) the following:

10 “(15) The term ‘Sector Coordinating Council’
11 means a private sector coordinating council that is—

12 “(A) recognized by the Secretary as such
13 a Council for purposes of this Act; and

14 “(B) comprised of representatives of own-
15 ers and operators of critical infrastructure with-
16 in a particular sector of critical infrastruc-
17 ture.”.

1 **SEC. 3. CRITICAL INFRASTRUCTURE PROTECTION RE-**
2 **SEARCH AND DEVELOPMENT.**

3 (a) STRATEGIC PLAN; PUBLIC-PRIVATE CONSOR-
4 TIUMS.—

5 (1) IN GENERAL.—Title III of the Homeland
6 Security Act of 2002 (6 U.S.C. 181 et seq.) is
7 amended by adding at the end the following:

8 **“SEC. 318. RESEARCH AND DEVELOPMENT STRATEGY FOR**
9 **CRITICAL INFRASTRUCTURE PROTECTION.**

10 “(a) IN GENERAL.—Not later than 180 days after
11 the date of enactment of the Critical Infrastructure Re-
12 search and Development Advancement Act of 2013, the
13 Secretary, acting through the Under Secretary for Science
14 and Technology, shall transmit to Congress a strategic
15 plan to guide the overall direction of Federal physical se-
16 curity and cybersecurity technology research and develop-
17 ment efforts for protecting critical infrastructure. Once
18 every 2 years after the initial strategic plan is transmitted
19 to Congress under this section, the Secretary shall trans-
20 mit to Congress an update of the plan.

21 “(b) CONTENTS OF PLAN.—The strategic plan shall
22 include the following:

23 “(1) An identification of critical infrastructure
24 security risks and any associated security technology
25 gaps, that are developed following—

1 “(A) consultation with stakeholders, in-
2 cluding the Sector Coordinating Councils; and

3 “(B) performance by the Department of a
4 risk/gap analysis that considers information re-
5 ceived in such consultations.

6 “(2) A set of critical infrastructure security
7 technology needs that—

8 “(A) is prioritized based on risk and gaps
9 identified under paragraph (1);

10 “(B) emphasizes research and development
11 of those technologies that need to be accelerated
12 due to rapidly evolving threats or rapidly ad-
13 vancing infrastructure technology; and

14 “(C) includes research, development, and
15 acquisition roadmaps with clearly defined objec-
16 tives, goals, and measures.

17 “(3) An identification of laboratories, facilities,
18 modeling, and simulation capabilities that will be re-
19 quired to support the research, development, dem-
20 onstration, testing, evaluation, and acquisition of the
21 security technologies described in paragraph (2).

22 “(4) An identification of current and planned
23 programmatic initiatives for fostering the rapid ad-
24 vancement and deployment of security technologies
25 for critical infrastructure protection. The initiatives

1 shall consider opportunities for public-private part-
2 nerships, intragovernment collaboration, university
3 centers of excellence, and national laboratory tech-
4 nology transfer.

5 “(5) A description of progress made with re-
6 spect to each critical infrastructure security risk, as-
7 sociated security technology gap, and critical infra-
8 structure technology need identified in the preceding
9 strategic plan transmitted under this section.

10 “(c) COORDINATION.—In carrying out this section,
11 the Under Secretary for Science and Technology shall co-
12 ordinate with the Under Secretary for the National Pro-
13 tection and Programs Directorate.

14 “(d) CONSULTATION.—In carrying out this section,
15 the Under Secretary for Science and Technology shall con-
16 sult with—

17 “(1) the critical infrastructure Sector Coordi-
18 nating Councils;

19 “(2) to the extent practicable, subject matter
20 experts on critical infrastructure protection from
21 universities, colleges, including historically black col-
22 leges and universities, Hispanic- serving institutions,
23 and tribal colleges and universities, national labora-
24 tories, and private industry;

1 “(3) the heads of other relevant Federal depart-
2 ments and agencies that conduct research and devel-
3 opment for critical infrastructure protection; and

4 “(4) State, local, and tribal governments as ap-
5 propriate.

6 **“SEC. 319. REPORT ON PUBLIC-PRIVATE RESEARCH AND**
7 **DEVELOPMENT CONSORTIUMS.**

8 “(a) IN GENERAL.—Not later than 180 days after
9 the enactment of the Critical Infrastructure Research and
10 Development Advancement Act of 2013, the Secretary,
11 acting through the Under Secretary for Science and Tech-
12 nology, shall transmit to Congress a report on the Depart-
13 ment’s utilization of public-private research and develop-
14 ment consortiums for accelerating technology development
15 for critical infrastructure protection. Once every 2 years
16 after the initial report is transmitted to Congress under
17 this section, the Secretary shall transmit to Congress an
18 update of the report. The report shall focus on those as-
19 pects of critical infrastructure protection that are pre-
20 dominately operated by the private sector and that would
21 most benefit from rapid security technology advancement.

22 “(b) CONTENTS OF REPORT.—The report shall in-
23 clude—

1 “(1) a summary of the progress and accom-
2 plishments of on-going consortiums for critical infra-
3 structure security technologies;

4 “(2) in consultation with the Sector Coordi-
5 nating Councils and, to the extent practicable, in
6 consultation with subject-matter experts on critical
7 infrastructure protection from universities, colleges,
8 including historically black colleges and universities,
9 Hispanic-serving institutions, and tribal colleges and
10 universities, national laboratories, and private indus-
11 try, a prioritized list of technology development focus
12 areas that would most benefit from a public-private
13 research and development consortium; and

14 “(3) based on the prioritized list developed
15 under paragraph (2), a proposal for implementing
16 an expanded research and development consortium
17 program, including an assessment of feasibility and
18 an estimate of cost, schedule, and milestones.”.

19 (2) LIMITATION ON PROGRESS REPORT RE-
20 QUIREMENT.—Subsection (b)(5) of section 318 of
21 the Homeland Security Act of 2002, as amended by
22 paragraph (1) of this subsection, shall not apply
23 with respect to the first strategic plan transmitted
24 under that section.

1 (b) CLERICAL AMENDMENT.—The table of contents
2 in section 1(b) of such Act is amended by adding at the
3 end of the items relating to such title the following:

“Sec. 318. Research and development strategy for critical infrastructure protection.

“Sec. 319. Report on public-private research and development consortiums.”.

4 (c) CRITICAL INFRASTRUCTURE PROTECTION TECH-
5 NOLOGY CLEARINGHOUSE.—Section 313 of the Homeland
6 Security Act of 2002 (6 U.S.C. 193) is amended by redess-
7 ignating subsection (c) as subsection (d), and by inserting
8 after subsection (b) the following:

9 “(c) CRITICAL INFRASTRUCTURE PROTECTION
10 TECHNOLOGY CLEARINGHOUSE.—

11 “(1) DESIGNATION.—Under the program re-
12 quired by this section, the Secretary, acting through
13 the Under Secretary for Science and Technology,
14 and in coordination with the Under Secretary for the
15 National Protection and Programs Directorate, shall
16 designate a technology clearinghouse for rapidly
17 sharing proven technology solutions for protecting
18 critical infrastructure.

19 “(2) SHARING OF TECHNOLOGY SOLUTIONS.—
20 Technology solutions shared through the clearing-
21 house shall draw from Government-furnished, com-
22 mercially furnished, and publically available trusted
23 sources.

1 “(3) TECHNOLOGY METRICS.—All technologies
2 shared through the clearinghouse shall include a set
3 of performance and readiness metrics to assist end-
4 users in deploying effective and timely solutions rel-
5 evant for their critical infrastructures.

6 “(4) REVIEW BY PRIVACY OFFICER.—The Pri-
7 vacy Officer of the Department appointed under sec-
8 tion 222 shall annually review the clearinghouse
9 process to evaluate its consistency with fair informa-
10 tion practice principles issued by the Privacy Offi-
11 cer.”.

12 (d) EVALUATION OF TECHNOLOGY CLEARINGHOUSE
13 BY GOVERNMENT ACCOUNTABILITY OFFICE.—Not later
14 than 2 years after the date of enactment of this Act, the
15 Comptroller General of the United States shall conduct
16 an independent evaluation of, and submit to the Com-
17 mittee on Homeland Security of the House of Representa-
18 tives and the Committee on Homeland Security and Gov-
19 ernmental Affairs of the Senate a report on, the effective-
20 ness of the clearinghouses established and designated, re-
21 spectively, under section 313 of the Homeland Security
22 Act of 2002, as amended by this section.

1 **SEC. 4. NO ADDITIONAL AUTHORIZATION OF APPROPRIA-**
2 **TIONS.**

3 No additional funds are authorized to be appro-
4 priated to carry out this Act and the amendments made
5 by this Act, and this Act and such amendments shall be
6 carried out using amounts otherwise available for such
7 purpose.

