

**AMENDMENT TO H.R. \_\_\_\_\_**  
**OFFERED BY M\_\_\_\_. \_\_\_\_\_**

Redesignate section 8 as section 9.

Insert after section 7 the following:

1 **SEC. 8. CRITICAL INFRASTRUCTURE PROTECTION RE-**  
2 **SEARCH AND DEVELOPMENT.**

3 (a) STRATEGIC PLAN; PUBLIC-PRIVATE CONSOR-  
4 TIUMS.—Title III of the Homeland Security Act of 2002  
5 (6 U.S.C. 181 et seq.) is amended by adding at the end  
6 the following new section:

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

9 “(a) IN GENERAL.—Not later than 180 days after  
10 the date of enactment of this section, the Secretary, acting  
11 through the Under Secretary for Science and Technology,  
12 shall submit to Congress a strategic plan to guide the  
13 overall direction of Federal physical security and cyberse-  
14 curity technology research and development efforts for  
15 protecting critical infrastructure, including against all  
16 threats. Such plan shall be updated and submitted to Con-  
17 gress every two years.

1       “(b) CONTENTS OF PLAN.—The strategic plan, in-  
2 cluding biennial updates, required under subsection (a)  
3 shall include the following:

4           “(1) An identification of critical infrastructure  
5 security risks and any associated security technology  
6 gaps, that are developed following—

7               “(A) consultation with stakeholders, in-  
8 cluding critical infrastructure Sector Coordi-  
9 nating Councils; and

10              “(B) performance by the Department of a  
11 risk and gap analysis that considers informa-  
12 tion received in such consultations.

13           “(2) A set of critical infrastructure security  
14 technology needs that—

15               “(A) is prioritized based on the risks and  
16 gaps identified under paragraph (1);

17               “(B) emphasizes research and development  
18 of technologies that need to be accelerated due  
19 to rapidly evolving threats or rapidly advancing  
20 infrastructure technology; and

21               “(C) includes research, development, and  
22 acquisition roadmaps with clearly defined objec-  
23 tives, goals, and measures.

24           “(3) An identification of laboratories, facilities,  
25 modeling, and simulation capabilities that will be re-

1       quired to support the research, development, dem-  
2       onstration, testing, evaluation, and acquisition of the  
3       security technologies described in paragraph (2).

4               “(4) An identification of current and planned  
5       programmatic initiatives for fostering the rapid ad-  
6       vancement and deployment of security technologies  
7       for critical infrastructure protection, including a  
8       consideration of opportunities for public-private  
9       partnerships, intragovernment collaboration, univer-  
10      sity centers of excellence, and national laboratory  
11      technology transfer.

12              “(5) A description of progress made with re-  
13      spect to each critical infrastructure security risk, as-  
14      sociated security technology gap, and critical infra-  
15      structure technology need identified in the preceding  
16      strategic plan required under subsection (a).

17              “(c) COORDINATION.—In carrying out this section,  
18      the Under Secretary for Science and Technology shall co-  
19      ordinate with the Under Secretary for the National Pro-  
20      tection and Programs Directorate.

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

24                      “(1) critical infrastructure Sector Coordinating  
25      Councils;

1           “(2) to the extent practicable, subject matter  
2 experts on critical infrastructure protection from  
3 universities, colleges, national laboratories, and pri-  
4 vate industry;

5           “(3) the heads of other relevant Federal depart-  
6 ments and agencies that conduct research and devel-  
7 opment relating to critical infrastructure protection;  
8 and

9           “(4) State, local, and tribal governments, as ap-  
10 propriate.”.

11       (b) CLERICAL AMENDMENT.—The table of contents  
12 of the Homeland Security Act of 2002 is amended by in-  
13 serting after the item relating to section 317 the following  
14 new item:

“Sec. 318. Research and development strategy for critical infrastructure protec-  
tion.”.

