

AMENDMENT NO. _____ Calendar No. _____

Purpose: In the nature of a substitute.

IN THE SENATE OF THE UNITED STATES—117th Cong., 2d Sess.

H. R. 7777

To amend the Homeland Security Act of 2002 to authorize the Cybersecurity and Infrastructure Security Agency to establish an industrial control systems cybersecurity training initiative, and for other purposes.

Referred to the Committee on _____ and
ordered to be printed

Ordered to lie on the table and to be printed

AMENDMENT IN THE NATURE OF A SUBSTITUTE intended
to be proposed by Mr. PORTMAN

Viz:

1 Strike all after the enacting clause and insert the fol-
2 lowing:

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Industrial Control Sys-
5 tems Cybersecurity Training Act”.

6 **SEC. 2. ESTABLISHMENT OF THE INDUSTRIAL CONTROL**
7 **SYSTEMS TRAINING INITIATIVE.**

8 (a) IN GENERAL.—Subtitle A of title XXII of the
9 Homeland Security Act of 2002 (6 U.S.C. 651 et seq.)
10 is amended by adding at the end the following new section:

1 **“SEC. 2220E. INDUSTRIAL CONTROL SYSTEMS CYBERSECURITY TRAINING INITIATIVE.**
2

3 “(a) ESTABLISHMENT.—

4 “(1) IN GENERAL.—The Industrial Control Sys-
5 tems Cybersecurity Training Initiative (in this sec-
6 tion referred to as the ‘Initiative’) is established
7 within the Agency.

8 “(2) PURPOSE.—The purpose of the Initiative
9 is to develop and strengthen the skills of the cyber-
10 security workforce related to securing industrial con-
11 trol systems.

12 “(b) REQUIREMENTS.—In carrying out the Initiative,
13 the Director shall—

14 “(1) ensure the Initiative includes—

15 “(A) virtual and in-person trainings and
16 courses provided at no cost to participants;

17 “(B) trainings and courses available at dif-
18 ferent skill levels, including introductory level
19 courses;

20 “(C) trainings and courses that cover
21 cyber defense strategies for industrial control
22 systems, including an understanding of the
23 unique cyber threats facing industrial control
24 systems and the mitigation of security
25 vulnerabilities in industrial control systems
26 technology; and

1 “(D) appropriate consideration regarding
2 the availability of trainings and courses in dif-
3 ferent regions of the United States;

4 “(2) engage in—

5 “(A) collaboration with the Department of
6 Energy national laboratories in accordance with
7 section 309;

8 “(B) consultation with Sector Risk Man-
9 agement Agencies; and

10 “(C) as appropriate, consultation with pri-
11 vate sector entities with relevant expertise, such
12 as vendors of industrial control systems tech-
13 nologies; and

14 “(3) consult, to the maximum extent prac-
15 ticable, with commercial training providers and aca-
16 demia to minimize the potential for duplication of
17 other training opportunities.

18 “(c) REPORTS.—

19 “(1) IN GENERAL.—Not later than 1 year after
20 the date of enactment of this section, and annually
21 thereafter, the Director shall submit to the Com-
22 mittee on Homeland Security of the House of Rep-
23 resentatives and the Committee on Homeland Secu-
24 rity and Governmental Affairs of the Senate a report
25 on the Initiative.

1 “(2) CONTENTS.—Each report submitted under
2 paragraph (1) shall include the following:

3 “(A) A description of the courses provided
4 under the Initiative.

5 “(B) A description of outreach efforts to
6 raise awareness of the availability of such
7 courses.

8 “(C) The number of participants in each
9 course.

10 “(D) Voluntarily provided information on
11 the demographics of participants in such
12 courses, including by gender, race, and place of
13 residence.

14 “(E) Information on the participation in
15 such courses of workers from each critical in-
16 frastructure sector.

17 “(F) Plans for expanding access to indus-
18 trial control systems education and training, in-
19 cluding expanding access to women and under-
20 represented populations, and expanding access
21 to different regions of the United States.

22 “(G) Recommendations on how to
23 strengthen the state of industrial control sys-
24 tems cybersecurity education and training.”.

1 (b) CLERICAL AMENDMENTS.—The table of contents
2 in section 1(b) of the Homeland Security Act of 2002
3 (Public Law 107–296; 116 Stat. 2135) is amended—

4 (1) by moving the item relating to section
5 2220D to appear after the item relating to section
6 2220C; and

7 (2) by inserting after the item relating to sec-
8 tion 2220D the following:

“Sec. 2220E. Industrial Control Systems Cybersecurity Training Initiative.”.