

117TH CONGRESS
2D SESSION

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.

IN THE HOUSE OF REPRESENTATIVES

MAY 16, 2022

Mr. SWALWELL introduced the following bill; which was referred to the
Committee on Homeland Security

A BILL

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.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

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

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

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

6 **“SEC. 2220D. INDUSTRIAL CONTROL SYSTEMS CYBERSECU-**
7 **RITY TRAINING INITIATIVE.**

8 “(a) ESTABLISHMENT.—

9 “(1) IN GENERAL.—The Industrial Control Sys-
10 tems Cybersecurity Training Initiative (in this sec-
11 tion referred to as the ‘Initiative’) is established
12 within the Agency.

13 “(2) PURPOSE.—The purpose of the Initiative
14 is to develop and strengthen the skills of the cyber-
15 security workforce related to securing industrial con-
16 trol systems.

17 “(b) REQUIREMENTS.—In carrying out the Initiative,
18 the Director shall—

19 “(1) ensure the Initiative includes—

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

22 “(B) training and courses available at dif-
23 ferent skill levels, including introductory level
24 courses;

25 “(C) trainings and courses that cover
26 cyber defense strategies for industrial control

1 systems, including an understanding of the
2 unique cyber threats facing industrial control
3 systems and the mitigation of security
4 vulnerabilities in industrial control systems
5 technology; and

6 “(D) appropriate consideration regarding
7 the availability of trainings and courses in dif-
8 ferent regions of the United States; and

9 “(2) engage in—

10 “(A) collaboration with the National Lab-
11 oratories of the Department of Energy in ac-
12 cordance with section 309;

13 “(B) consultation with Sector Risk Man-
14 agement Agencies; and

15 “(C) as appropriate, consultation with pri-
16 vate sector entities with relevant expertise, such
17 as vendors of industrial control systems tech-
18 nologies.

19 “(c) REPORTS.—

20 “(1) IN GENERAL.—Not later than one year
21 after the date of the enactment of this section and
22 annually thereafter, the Director shall submit to the
23 Committee on Homeland Security of the House of
24 Representatives and the Committee on Homeland

1 Security and Governmental Affairs of the Senate a
2 report on the Initiative.

3 “(2) CONTENTS.—Each report under para-
4 graph (1) shall include the following:

5 “(A) A description of the courses provided
6 under the Initiative.

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

10 “(C) Information on the number and de-
11 mographics of participants in such courses, in-
12 cluding by gender, race, and place of residence.

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

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

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

24 (b) CLERICAL AMENDMENT.—The table of contents
25 in section 1(b) of the Homeland Security Act of 2002 is

- 1 amended by inserting after the item relating to section
- 2 2220C the following new item:

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

