

117TH CONGRESS
2D SESSION

H. R. 7777

IN THE SENATE OF THE UNITED STATES

JUNE 22, 2022

Received; read twice and referred to the Committee on Homeland Security and
Governmental Affairs

AN ACT

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,*

1 **SECTION 1. SHORT TITLE.**

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

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

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

9 **“SEC. 2220D. INDUSTRIAL CONTROL SYSTEMS CYBERSECUR-**
10 **RITY TRAINING INITIATIVE.**

11 “(a) ESTABLISHMENT.—

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

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

20 “(b) REQUIREMENTS.—In carrying out the Initiative,
21 the Director shall—

22 “(1) ensure the Initiative includes—

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

1 “(B) trainings and courses available at dif-
2 ferent skill levels, including introductory level
3 courses;

4 “(C) trainings and courses that cover
5 cyber defense strategies for industrial control
6 systems, including an understanding of the
7 unique cyber threats facing industrial control
8 systems and the mitigation of security
9 vulnerabilities in industrial control systems
10 technology; and

11 “(D) appropriate consideration regarding
12 the availability of trainings and courses in dif-
13 ferent regions of the United States; and

14 “(2) engage in—

15 “(A) collaboration with the National Lab-
16 oratories of the Department of Energy in ac-
17 cordance with section 309;

18 “(B) consultation with Sector Risk Man-
19 agement Agencies; and

20 “(C) as appropriate, consultation with pri-
21 vate sector entities with relevant expertise, such
22 as vendors of industrial control systems tech-
23 nologies.

24 “(c) REPORTS.—

1 “(1) IN GENERAL.—Not later than one year
2 after the date of the enactment of this section and
3 annually thereafter, the Director shall submit to the
4 Committee on Homeland Security of the House of
5 Representatives and the Committee on Homeland
6 Security and Governmental Affairs of the Senate a
7 report on the Initiative.

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

10 “(A) A description of the courses provided
11 under the Initiative.

12 “(B) A description of outreach efforts to
13 raise awareness of the availability of such
14 courses.

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

18 “(D) Information on the participation in
19 such courses of workers from each critical in-
20 frastructure sector.

21 “(E) Plans for expanding access to indus-
22 trial control systems education and training, in-
23 cluding expanding access to women and under-
24 represented populations, and expanding access
25 to different regions of the United States.

1 “(F) Recommendations on how to
2 strengthen the state of industrial control sys-
3 tems cybersecurity education and training.”.

4 (b) CLERICAL AMENDMENT.—The table of contents
5 in section 1(b) of the Homeland Security Act of 2002 is
6 amended by inserting after the item relating to section
7 2220C the following new item:

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

Passed the House of Representatives June 21, 2022.

Attest:

CHERYL L. JOHNSON,

Clerk.

By KEVIN McCUMBER,

Deputy Clerk.