

Maritime Cyber Education and Certifications

This proposal implements the recommendation to create maritime cybersecurity education and certification programming at the United States Coast Guard.

A BILL

To establish a program within the United States Coast Guard to create maritime cybersecurity educational programs and a portable credential.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SEC. X. MARITIME CYBER WORKFORCE EDUCATION AND CREDENTIALING PROGRAM

(a) AMENDMENTS.—In general chapter 701 of title 46, United States Code is amended—

(1) by adding at the end the following:

“SEC. 70126. MARITIME CYBER WORKFORCE EDUCATION AND CREDENTIALING PROGRAM

“(a) DEFINITIONS.—In this section:

“(1) COMMANDANT.—The term “commandant” means the Commandant of the United States Coast Guard.

“(2) PORTABLE CREDENTIAL.—The term “portable credential”—

“(A) means a documented award by a responsible and authorized entity that has determined that an individual has achieved specific learning outcomes relative to a given standard; and

“(B) includes a degree, diploma, license, certificate, badge, and professional or industry certification that—

“(i) has value locally and nationally in labor markets, educational systems, or other contexts;

“(ii) is defined publicly in such a way that allows educators, employers, and other individuals and entities to understand and verify the full set of skills represented by the credential; and

“(iii) enables a holder of the credential to move vertically and horizontally within and across training and education systems for the attainment of other credentials.

“(b) MARITIME TRANSPORTATION SECTOR-SPECIFIC CYBERSECURITY EDUCATIONAL RESOURCES.— Not later than one year after the passage of this act, the Commandant—in consultation with the Director of the Cybersecurity and Infrastructure Security Agency, the Director of the National Initiative for Cybersecurity Education, and Administrators of the Federal Service Academies—shall compile and publish a compendium of educational resources focused on cybersecurity for the maritime transportation sector.

“(1) Periodic Update.—The compendium shall be reviewed and updated not less often than every 12 months after the initial publication of the compendium as outlined in section (b).

“(c) PORTABLE CREDENTIAL PROGRAM.—

“(1) IN GENERAL.—Not later than one year following the passage of this act, the Commandant, in consultation with the Director of the Cybersecurity and Infrastructure Security Agency and the Director of the National Initiative for Cybersecurity Education, shall establish a program within the National Maritime Center to provide general and system-specific cyber educational programs for maritime workers through virtual platforms for coursework and training and hands-on skills labs and assessments, and provide a portable credential to individuals who achieve completion of coursework associated with the program.

“(d) REPORT ON PUBLIC-PRIVATE MARITIME CYBER WORKFORCE ROTATIONAL PROGRAM.—

“(1) IN GENERAL.—Not later than one year following the passage of this act, the Commandant, in consultation with the Director of the Cybersecurity and Infrastructure Security Agency and the Director of the National Initiative for Cybersecurity Education, submit a report to relevant Congressional committees assessing the feasibility of creating a public-private rotational program for cyber workforce positions within the United States Coast Guard.

“(2) REPORT REQUIREMENTS.—At a minimum, the report submitted to Congress pursuant to subparagraph (1) shall—

“(A) identify United States Coast Guard positions eligible for inclusion in the program;

“(B) propose criteria for private sector participation in the program; and

“(C) provide a legal assessment of the viability of the program under existing statute and authorities.”