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Contents:

H.R. 4061- Amendments to the Cyber Security Enhancement Act of 2009

H.R. 4061, the Cyber Security Enhancement Act (sponsored by *Rep. Lipinski, D-IL*), is scheduled to be considered on the House floor on Wednesday, February 3, 2010, subject to a structured rule ([H.Res.1051](#)), making in order the following 25 amendments. The rule provides an amendment in the nature of a substitute drafted by the Science and Technology Committee to be considered as an original bill and shall be considered as engrossed. The rule waives all points of order against consideration of the bill, except earmark and “pay-go” violations. The rule allows one motion to recommit with or without instruction.

AMENDMENTS MADE IN ORDER UNDER THE RULE

1. **Hastings (D-FL)/Rodriguez (D-TX).** Requires the cyber security workforce assessment to include a description of “how successful” the programs are for women and African-Americans, Hispanics, and Native Americans. In addition, the amendment requires the inclusion of minority serving institutions in the composition of the Cyber Security University/Industry Task Force.
2. **Polis (D-CO).** Allows participants in the cyber security scholarship program to seek private sector internships.
3. **Flake (R-AZ).** Prohibits any of the funds authorized under the bill to be used for the purposes of earmarking.
4. **Matheson (D-UT).** Amends the bill to require the NSF research and development grant program to consider methods to improve detection, investigation, and prosecution of cyber crimes. This includes piracy of intellectual property, crimes against children, and organized crime.
5. **Roskam (R-IL).** Amends the bill to allow for the participation of community colleges and minority serving institutions in the development of the “roadmap” and scholarship service program. Additionally, amends the bill to allow for the participation of institutions of higher education and community colleges in the workforce assessment and university/industry task force.

6. **Edwards (D-MD)**. Amends the bill to direct NIST to work with government and private entities to develop a framework for states to follow that is intended to increase efficiencies and minimize cost.
7. **Paulson (R-MN)**. Amends the NSF cyber security research and development plan to provide an outline for how the United States can work with strategic international partners when appropriate.
8. **Dahlkemper (D-PA)**. Amends the NSF cyber security research and development program to allow for the collaboration between institutions of higher education and the Manufacturing Extension Partnership.
9. **Garamendi (D-CA)**. Authorizes NIST to host regional workshops on cyber security risks and best practices to promote additional awareness and education opportunities.
10. **McCarthy (D-NY)/Kratovil (D-MD)**. Amends the NIST awareness and education program to emphasize outreach to novice computer users, the elderly, low-income individuals, and areas of planned broadband expansion or deployment.
11. **Smith (D-WA)**. Amends the workforce assessment report to include job security clearance and suitability when evaluating barriers to the federal recruiting and hiring of cyber security talent.
12. **Langevin (D-RI)**. Amends the workforce assessment report to include a study to determine if the temporary assignment of private sector cyber security professionals in federal agencies is feasible.
13. **Sanchez (D-CA)**. Amends the cyber security university/industry task force to include information sharing of “lessons learned” on the effectiveness of new technology between the private sector and public sector.
14. **Cuellar (D-TX)**. Amends the NSF strategic plan to include a description of how the research and development program will strengthen all levels of cyber security education and training to ensure a well-trained workforce.
15. **Shea-Porter (D-NH)**. Increases the service requirement for those who qualify for the cyber security scholarship program. For a recipient in a bachelors program, one more year of service is required than number of years of scholarship received. For a masters program, two more years of service is required. For a doctorate, three more years of service is required.
16. **Clarke (D-NY)**. Amends the workforce assessment to include an analysis on the potential use of contractors to perform cyber security work on behalf of the federal government.
17. **Bright (D-AL)**. Requires (within 120 days) NIST to enter into a contract with the National Academy of Sciences to describe the role of community colleges in cyber security, and to provide recommendations on how best to collaborate in partnerships with four-year institutions.

18. **Connolly (D-VA).** Amends the NIST education and awareness program to include children and young adults when evaluating targeted outreach audiences.
19. **Halvorson (D-IL)/Shea-Porter (D-NH).** Gives priority for veterans during the selection process for the cyber security scholarship program.
20. **Kilroy (D-OH).** Requires the NSF to provide outreach programs for secondary schools and two year institutions to increase awareness of the cyber security scholarship program.
21. **Kissell (D-NC).** Amends the NSF research and development program to include curriculum on the development and design of secure software in addition to network security.
22. **Kratovil (D-MD).** Establishes a National Center for Cyber Security Excellence in collaboration with the NSF. The Center will involve institutions of higher education, national laboratories, and private entities. The purpose of the center is to interact with Computer and Network Security Research Centers, perform research for software research and development, coordinate cyber security education and training opportunities, enhance technology transfers and commercialization, and perform research on social and behavioral factors on cyber security.
23. **Nye (D-VA).** Requires the Comptroller General to include a report to Congress within one year examining key weaknesses within the current cyber security infrastructure along with recommendations on how to improve it.
24. **Owens (D-NY).** Amends the NSF research and development roadmap to include a plan on securing sensitive information shared among federal agencies.
25. **Heinrich (D-NM).** Allows national laboratories to participate in the NSF cyber security Strategic Research and Development Plan.

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