

MAY  
2019

# THE ICIT CYBER LEGISLATION REPORT

A Monthly Analyst Report from  
The Institute for Critical  
Infrastructure Technology

ICIT | Institute for Critical  
Infrastructure Technology

The Cybersecurity Think Tank

# The ICIT Cyber Legislation Report

May 2019

A Monthly Non-Partisan Analyst Report from The Institute for Critical  
Infrastructure Technology

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**Key:** Highlighted Items = Newly Introduced or Recent Activity

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## About This Report

As a non-partisan cybersecurity think tank, one of ICIT's goals is to increase access and visibility on cybersecurity, privacy, and critical infrastructure related legislation from the U.S. federal government. This monthly analyst report is an objective summary of legislative efforts that serves as a tool to efficiently deliver this information to ICIT members.

Readers should note the following:

- Each bill title is hyperlinked to [www.congress.gov](http://www.congress.gov) for full bill details
- Each bill is reviewed, and metrics are updated every 30-days
- Highlighted bills indicate new legislation or legislation which have had movement from the previous month's report
- ICIT will keep legislation on its report until it is removed from [www.congress.gov](http://www.congress.gov)
- This report only tracks legislation that ICIT analysts define as 'cyber-centric', meaning its primary focus is cybersecurity, information security or digital privacy
- ICIT may omit legislation for various non-political reasons. If you feel legislation should be tracked for the benefit of all readers, please contact ICIT.

Appendix A of this report lists legislation that was tracked by ICIT in 2018 but that has not had any movement in the current congress. If there is new activity on these bills, ICIT will move the bill from the Appendix into the main body of this report.

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## Appropriations

**Category Description: Legislation regarding the establishment, funding, and resource allocation of cybersecurity initiatives.**

### [H.R. 21: Consolidated Appropriations Act, 2019](#)

- Sponsor: Rep. Nita Lowey [D-NY17]
- Cosponsors - 0
- Prognosis - 65%
- Introduced - Jan 3, 2019
- Passed House (Senate next) - Jan 3, 2019

Sets appropriations for the fiscal year ending September 30, 2019 for several federal departments and agencies. It includes 6 of the 12 regular FY2019 appropriations bills. The departments and agencies funded in the bill include: the Department of Agriculture; the Food and Drug Administration; the Department of Commerce; the Department of Justice; science-related agencies, including the National Aeronautics and Space Administration (NASA); the Department of the Treasury, the judiciary; the Executive Office of the President; the District of Columbia; the Department of the Interior; the Environmental Protection Agency; the Forest Service; the Department of State; the Department of Transportation; the Department of Housing and Urban Development; and several related and independent agencies. The bill includes funding for the acquisition, modernization, and maintenance of cybersecurity systems and applications.

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### [S. 245: Damon Paul Nelson and Matthew Young Pollard Intelligence Authorization Act for Fiscal Years 2018 and 2019](#)

- Sponsor: Sen. Richard Burr [R-NC]
- Cosponsors - 1 (1D)
- Prognosis - 56%
- Introduced - Jan 28, 2019

S. 245 authorizes appropriations for fiscal year 2019 for intelligence and intelligence-related activities of the United States Government, the Community Management Account, and the Central Intelligence Agency Retirement and Disability System. The bill modifies the special pay for cyber positions, offers cyber protection support for the personnel of the intelligence



community in positions highly vulnerable to cyber-attack, considers adversarial telecommunications and cybersecurity infrastructure when sharing intelligence with foreign governments and entities, and for other purposes.

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#### **[H.R. 266: Department of the Interior, Environment, and Related Agencies Appropriations Act, 2019](#)**

- Sponsor: Rep. Betty McCollum [D-MN4]
- Cosponsors - 0
- Prognosis - 2%
- Introduced - Jan 8, 2019
- Passed House (Senate next) - Jan 11, 2019

Requests appropriations for the Department of the Interior, environment, and related agencies for the fiscal year ending September 30, 2019, including cyber-risk assessments, cyber defense, and the acquisition of cybersecurity systems and applications.

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#### **[H.R. 265: Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations Act, 2019](#)**

- Sponsor: Rep. Sanford Bishop [D-GA2]
- Cosponsors - 0
- Prognosis - 2%
- Introduced - Jan 8, 2019
- Passed House (Senate next) - Jan 10, 2019

Makes appropriations for Agriculture, Rural Development, Food and Drug Administration, and Related Agencies programs for the fiscal year ending September 30, 2019, including funds for cybersecurity funding.

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#### **[H.R. 267: Transportation, Housing and Urban Development, and Related Agencies Appropriations Act, 2019](#)**

- Sponsor: Rep. David Price [D-NC4]
- Cosponsors - 0
- Prognosis - 2%
- Introduced - Jan 8, 2019

- Passed House (Senate next) - Jan 10, 2019

Makes appropriations for the Department of Transportation, and Housing and Urban Development, and related agencies for the fiscal year ending September 30, 2019. The act allocates for necessary expenses for cyber security initiatives, including necessary upgrades to wide area network and information technology infrastructure, improvement of network perimeter controls and identity management, testing and assessment of information technology against business, security, and other requirements, implementation of Federal cyber security initiatives and information infrastructure enhancements, and implementation of enhanced security controls on network devices, \$15,000,000, to remain available through September 30, 2020.

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#### **H.R. 264: Financial Services and General Government Appropriations Act, 2019**

- Sponsor: Rep. Mike Quigley [D-IL5]
- Cosponsors - 0
- Prognosis -2%
- Introduced - Jan 8, 2019
- Passed House (Senate next) - Jan 9, 2019

Requests appropriations for financial services and general government for the fiscal year ending September 30, 2019, including funds for cybersecurity modernization, maintenance, and acquisitions.

---

#### **S.Con. Res. 12:**

- Sponsor: Sen. Michael Enzi [R-WY]
- Cosponsors - 0
- Introduced - Apr 1, 2019
- Ordered Reported - Apr 1, 2019

S. Con. Res. 12 sets the congressional budget for the United States Government for fiscal year 2020 and sets the appropriate budgetary levels for fiscal years 2021 through 2024. Section 3015 calls for a deficit-neutral reserve fund to improve cybersecurity.

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#### **H.R. 2779: Legislative Branch Appropriations Act, 2020**

- Sponsor: Rep. Tim Ryan [D-OH13]

- Cosponsors - 0
- Introduced - May 16, 2019
- Ordered Reported - May 16, 2019

Section 114 requires the head of any Federal entity that provides assistance to the House of Representatives in the House's efforts to deter, prevent, mitigate, or remediate cybersecurity risks to, and incidents involving, the information systems of the House to take all necessary steps to ensure the constitutional integrity of the separate branches of the government at all stages of providing the assistance, including applying minimization procedures to limit the spread or sharing of privileged House and Member information.

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SAMPLE

## Cyber Workforce

**Category Definition: Legislation pertaining to the training of cyber talent and the cyber training of the American workforce.**

### **S. 406: Federal Rotational Cyber Workforce Program Act of 2019**

- Sponsor: Sen. Gary Peters [D-MI]
- Cosponsors - 3 (2R,1D)
- Prognosis - 93%
- Introduced - Feb 7, 2019
- Passed Senate (House next) - Apr 30, 2019

S. 406 establishes a Federal rotational cyber workforce program for the Federal cyber workforce.

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### **S. 933: BLUE GLOBE Act**

- Sponsor: Sen. Sheldon Whitehouse [D-RI]
- Cosponsors - 1 (1R)
- Prognosis - 49%
- Introduced - Mar 28, 2019

S. 933 charges the prescribed workforce development program to support undergraduate and graduate education in cybersecurity and other STEM fields related to the advancement of the monitoring, collection, synthesis, and analysis of data relating to the Great Lakes, oceans, bays, estuaries, and coasts.

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### **H.R. 425: Supporting Veterans in STEM Careers Act**

- Sponsor: Rep. Neal Dunn [R-FL2]
- Cosponsors - 6 (4R,2D)
- Prognosis - 43%
- Introduced - Jan 10, 2019
- Passed House (Senate next) - Feb 25, 2019

### **S. 772: SBA Cyber Awareness Act**

- Sponsor: Sen. Marco Rubio [R-FL]
- Cosponsors – 3 (2R,1D)

- Prognosis - 18%
- Introduced – Mar 13, 2019
- Ordered Reported - Mar 27, 2019

The SBA Cyber Awareness Act requires an annual report on the cybersecurity of the Small Business Administration, and for other purposes. It ensures that the information technology (IT) systems at the U.S. Small Business Administration (SBA) are protected from cyber criminals by requiring the SBA to assess its internal cybersecurity, including determining the countries-of-origin for its IT products; by requiring the SBA to develop an agency cyber strategy and to report that strategy to the Senate and House Small Business Committees after the bill is enacted and annually thereafter; and by requiring the SBA to report to the Senate and House Small Business Committees on actions taken to secure agency data and systems, newly identified threats and breaches, and any actions taken to mitigate breaches and threats.

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#### **S. 153: Supporting Veterans in STEM Careers Act**

- Sponsor: Sen. Marco Rubio [R-FL]
- Cosponsors - 3 (2R,1D)
- Prognosis - 7%
- Introduced - Jan 16, 2019

H.R. 425 and S. 153 promote veteran involvement in STEM education, computer science, and scientific research, including graduate traineeships in computer and networks security research.

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#### **H.R. 2528: STEM Opportunities Act of 2019**

- Sponsor: Rep. Eddie Johnson [D-TX30]
- Cosponsors - 1 (1R)
- Prognosis - 4%
- Introduced - May 7, 2019

H.R. 2528 directs the Director of the Office of Science and Technology Policy to carry out programs and activities to ensure that Federal science agencies and institutions of higher education receiving Federal research and development funding are fully engaging their entire talent pool.

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### **S. 314: Modernizing the Trusted Workforce for the 21st Century Act of 2019**

- Sponsor: Sen. Mark Warner [D-VA]
- Cosponsors - 0
- Prognosis - 2%
- Introduced - Jan 31, 2019

S. 314 improves the processing and oversight by the Federal Government of security clearances and background investigations and for other purposes.

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### **H.R. 827: AI JOBS Act of 2019**

- Sponsor: Rep. Darren Soto [D-FL9]
- Cosponsors - 9 (5D,4R)
- Prognosis - 2%
- Introduced - Jan 28, 2019

H.R. 827 promotes a 21st century artificial intelligence workforce by promoting Congress to encourage innovation while training and retraining American workers for our 21st century economy. The bill asks Congress to analyze the impact and growth of artificial intelligence, to identify industries that are projected to have the most growth in artificial intelligence use, and whether the technology will result in the enhancement of workers' capabilities or their replacement, to analyze the expertise and education needed to develop, operate, or work alongside artificial intelligence over the next two decades, to evaluate which demographics may experience expanded career opportunities, and to make recommendations to alleviate workforce displacement.

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### **H.R. 334: To increase cybersecurity education and job growth, and for other purposes.**

- Sponsor: Rep. Ted Lieu [D-CA33]
- Cosponsors - 3 (3D)
- Introduced - Jan 8, 2019

H.R. 334 aims to address the cybersecurity talent shortage.

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### **H.R. 1592: [Unnamed Cybersecurity Education Bill]**

- Sponsor: Rep. James "Jim" Langevin [D-RI2]
- Cosponsors - 1 (1R)
- Introduced - Mar 7, 2019



H.R. 1592 directs the Secretary of Education to establish a pilot program to award competitive grants for the integration of cybersecurity education, and for other purposes.

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**H.Res. 169: [Unnamed Diversity Resolution]**

- Sponsor: Rep. Barbara Lee [D-CA13]
- Cosponsors - 7 (7D)
- Introduced - Mar 4, 2019

H. Res 169 expresses the sense of the House of Representatives regarding the need for increased diversity and inclusion in the tech sector, and increased access to opportunity in science, technology, engineering, arts, and mathematics (STEAM) education

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**H.R. 2721**

- Sponsor: Rep. Susie Lee [D-NV3]
- Cosponsors - 3 (2R,1D)
- Introduced - May 14, 2019

**S. 1466**

- Sponsor: Sen. Jacky Rosen [D-NV]
- Cosponsors - 1 (1R)
- Introduced- May 14, 2019

H.R. 2721 and S. 1466 establishes a grant program within the Department of Labor to support the creation, implementation, and expansion of registered apprenticeship programs in cybersecurity.

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**S. 1517**

- Sponsor: Sen. Timothy "Tim" Kaine [D-VA]
- Cosponsors - 1 (1R)
- Introduced - May 16, 2019

S. 1517 requires the Secretary of Labor to award grants for promoting industry or sector partnerships to encourage industry growth and competitiveness and to improve worker training, retention, and advancement as part of an infrastructure investment.

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### **H.Res. 355: Congressional Cybersecurity Training Resolution of 2019**

- Sponsor: Rep. Kathleen Rice [D-NY4]
- Cosponsors - 1 (1R)
- Introduced - May 7, 2019

H. Res. 355 amends the Rules of the House of Representatives to direct the Chief Administrative Officer to carry out an annual information security training program for Members, officers, and employees of the House.

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### **H.Res. 369**

- Sponsor: Rep. Eleanor Norton [D-DC0]
- Cosponsors - 4 (4D)
- Introduced - May 9, 2019

H.Res. 369 expresses the sense that the House of Representatives support the Federal workforce, who prevents the entry of terrorists and terrorist weapons into the United States and conduct investigations to prevent national security breaches and cyber-crimes.

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## Election Reform

**Category Definition: Legislation securing election infrastructure and protecting relevant democratic institutions and processes.**

### [H.R. 1: For the People Act of 2019](#)

- Sponsor: Rep. John Sarbanes [D-MD3]
- Cosponsors - 236 (236D)
- Prognosis - 73%
- Introduced - Jan 3, 2019
- Passed House (Senate next) - Mar 8, 2019

H.R. 1 includes provisions pertaining to revisions in voter registration and ballot tabulation systems such as voter verified paper ballots, election integrity, and other secure election practices.

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### [H.R. 753: Global Electoral Exchange Act of 2019](#)

- Sponsor: Rep. Joaquin Castro [D-TX20]
- Cosponsors - 3 (2D,1R)
- Prognosis - 26%
- Introduced - Jan 24, 2019
- Ordered Reported - Apr 9, 2019

H.R. 753 promotes international exchanges on best election practices, cultivate more secure democratic institutions around the world, and for other purposes.

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### [S. 549: Voter Empowerment Act of 2019](#)

- Sponsor: Sen. Kirsten Gillibrand [D-NY]
- Cosponsors - 8 (7D,1I)
- Prognosis - 9%
- Introduced - Feb 25, 2019

### [H.R. 1275: Voter Empowerment Act of 2019](#)

- Sponsor: Rep. John Lewis [D-GA5]
- Cosponsors - 3 (3D)
- Prognosis - 6%
- Introduced - Feb 14, 2019

H.R. 1275 and S. 549 suggest ways to modernize voter registration, promote access to voting for individuals with disabilities, protect the ability of individuals to exercise the right to vote in elections for Federal office, and for other purposes.

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### **S. 1319: PRIDE Voting Act**

- Sponsor: Sen. Robert “Bob” Menendez [D-NJ]
- Cosponsors - 3 (3D)
- Prognosis - 6%
- Introduced - May 2, 2019

S. 1319 establishes an Election Security grant program. Among other provisions, it requires election systems have auditable voter-verified paper ballots and that manufacturers implement cybersecurity standards and best practices developed by the National Institute of Standards and Technology and CIS Controls from the nonprofit Center for Internet Security.

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### **S. 949: For the People Act of 2019**

- Sponsor: Sen. Tom Udall [D-NM]
- Cosponsors - 46 (44D,2I)
- Prognosis - 5%
- Introduced - Mar 28, 2019

S. 949 includes provisions for improving the cybersecurity of election infrastructure, for testing cyber resiliency, for streamlining information collection, and data integrity controls.

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### **S. 26: Vote By Mail Act of 2019**

- Sponsor: Sen. Ron Wyden [D-OR]
- Cosponsors - 14 (13D,1I)
- Prognosis - 2%
- Introduced - Jan 3, 2019

### **H.R. 92: Vote By Mail Act of 2019**

- Sponsor: Rep. Earl Blumenauer [D-OR3]
- Cosponsors - 24 (24D)
- Prognosis - 2%

- Introduced - Jan 3, 2019

S. 26 and H.R. 92 amend the Help America Vote Act of 2002 to allow all eligible voters to vote by mail in Federal elections, and they amend the National Voter Registration Act of 1993 to provide for automatic voter registration.

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#### **H.R. 138: Universal Right to Vote by Mail Act of 2019**

- Sponsor: Rep. Susan Davis [D-CA53]
- Cosponsors - 5 (5D)
- Prognosis - 2%
- Introduced - Jan 3, 2019

H.R. 138 amends the Help America Vote Act of 2002 to allow all eligible voters to vote by mail in Federal elections.

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#### **H.R. 1474: Strengthening Elections Through Intelligence Act**

- Sponsor: Rep. Abigail Spanberger [D-VA7]
- Cosponsors - 0
- Introduced - Feb 28, 2019

H.R. 1474 requires the Director of National Intelligence to submit a pre-election threat assessment prior to each regularly scheduled general election for Federal office, and for other purposes.

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#### **S. 1454**

- Sponsor: Sen. Gary Peters [D-MI]
- Cosponsors - 3 (2R,1D)
- Introduced - May 14, 2019

S. 1454 amends the Help America Vote Act of 2002 to add a representative of the Department of Homeland Security from the Cybersecurity and Infrastructure Security Agency on the Technical Guidelines Development Committee.

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#### **H.R. 2722**

- Sponsor: Rep. Zoe Lofgren [D-CA19]

- Cosponsors - 0
- Introduced - May 14, 2019

### H.R. 2660

- Sponsor: Rep. Bennie Thompson [D-MS2]
- Cosponsors - 24 (24D)
- Introduced - May 10, 2019

H.R. 2660 and H.R. 2722 protect elections for public office by providing financial support and enhanced security for the infrastructure used to carry out such elections, and for other purposes.

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### S. 1540

- Sponsor: Sen. Amy Klobuchar [D-MN]
- Cosponsors - 38 (36D,2I)
- Introduced - May 16, 2019

S. 1540 aims to protect elections for public office by providing financial support and enhanced security for the infrastructure used to carry out such elections, and for other purposes.

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