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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

November 2019

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

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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 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
 - 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.
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Notable Initiatives

Cyberspace Solarium Commission

The Cyberspace Solarium Commission (CSC) was established as part of the 2019 National Defense Authorization Act, and was formally launched by Sen. Angus King (I-Maine) and Rep. Mike Gallagher (R-Wis.) In May 2019. The CSC works to build a foundation to defend America against ongoing cyber-attacks along with strategies to deter adversaries from launching attacks against essential digital infrastructure. The CSC will bring together a bipartisan group of lawmakers, Federal agency leaders, think tanks, and the private sector to “review the threats facing America in cyberspace and provide strategic guidance and policy recommendations on how to defend ourselves against cyber threats.” The end goal is to “build a consensus on a strategic approach to defending the United States in cyberspace against cyberattacks of significant consequences as the world enters a new phase of cyber-conflict.”

Appropriations

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

H.R. 3409: Coast Guard Authorization Act of 2019

- Sponsor: Rep. Peter DeFazio [D-OR4]
- Cosponsors - 6 (3D,3R)
- Prognosis- 89%
- Introduced - Jun 21, 2019
- Passed House (Senate next) - Jul 24, 2019

S. 2297: Coast Guard Authorization Act of 2019

- Sponsor: Sen. Dan Sullivan [R-AK]
- Cosponsors - 3 (2D,1R)
- Prognosis - 3%
- Introduced - Jul 25, 2019
- Ordered Reported - Jul 31, 2019

H.R. 3409 and S. 2297 authorize appropriations for the Coast Guard. The bill amends Section 70116 of title 46, United States Code to include cyber incidents, requires a report on the cybersecurity workforce no later than 1 year after the date of the enactment of the act, and it requires a report on Coast Guard response capabilities for cyber incidents on vessels entering ports or waters of the United States within 180 days of enactment.

S. 1790: National Defense Authorization Act for Fiscal Year 2020

- Sponsor: Sen. James “Jim” Inhofe [R-OK]
- Cosponsors - 0
- Prognosis - 98%
- Introduced - Jun 11, 2019
- Passed House & Senate (President next) - Sep 17, 2019

S. 1790 authorizes appropriations for fiscal year 2020 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for the fiscal year. The bill includes extensive measurement, review, and improvements of the cybersecurity posture of the Department of Defense and the defense industrial base.

H.R. 3352: Department of State Authorization Act of 2019

- Sponsor: Rep. Eliot Engel [D-NY16]
- Cosponsors - 1 (1R)
- Prognosis - 77%
- Introduced - Jun 19, 2019
- Passed House (Senate next) - Jul 25, 2019

H.R. 3352 tasks the Secretary of State, in consultation with the Director of National Intelligence, shall develop or maintain a list of prohibited contractors as defined as providers of telecommunications, telecommunications equipment, or information technology equipment, including hardware, software, or services, that has knowingly assisted or facilitated a cyber-attack or conducted surveillance, including passive or active monitoring, carried out against the United States by, or on behalf of, any government, or persons associated with such government, listed as a cyber threat actor in the intelligence community's 2017 assessment of worldwide threats to United States national security or any subsequent worldwide threat assessment of the intelligence community.

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.

S. 2840: Essential National Security Authorities Act for Fiscal Year 2020

- Sponsor: Sen. James “Jim” Inhofe [R-OK]
- Cosponsors - 0
- Prognosis - 61%
- Introduced - Nov 12, 2019
- Ordered Reported - Nov 13, 2019

S. 2840 authorizes appropriations for fiscal year 2020 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy. Sec. 1627 sets the Authority to use operation and maintenance funds for cyber operations-peculiar capability development projects. The Secretary of Defense and each Secretary concerned may obligate and expend not more than \$3,000,000 of amounts authorized to be appropriated for operation and maintenance in each of fiscal years 2020 through 2022 to carry out cyber operations-peculiar capability development projects. Meanwhile, Sec. 1639. extends the authorities for the Cyberspace Solarium Commission to include the congressional intelligence committees, the Committee on Homeland Security and Governmental Affairs of the Senate, and the Committee on Homeland Security of the House of Representatives.

H.R. 2740: Labor, Health and Human Services, Education, Defense, State, Foreign Operations, and Energy and Water Development Appropriations Act, 2020

- Sponsor: Rep. Rosa DeLauro [D-CT3]
- Cosponsors - 0
- Prognosis - 2%
- Introduced - May 15, 2019
- Failed Cloture - Sep 18, 2019

H.R. 2740 makes appropriations for the Departments of Labor, Health and Human Services, and Education, and related agencies for the fiscal year ending September 30, 2020. It allocates funding for expenses necessary to support activities related to countering potential biological, nuclear, radiological, chemical, and cybersecurity threats to civilian populations, and for other public health emergencies, in the amount of \$1,083,458,000 (increased by \$1,000,000), of which \$566,700,000 shall remain available through September 30, 2021. The funds are for expenses necessary to support advanced research and development pursuant to section 319L of the PHS Act and other administrative expenses of the Biomedical Advanced Research and Development Authority, provided, that the funds allocated for the purpose of acquisition of security countermeasures shall be in addition to any other funds available for such purpose.

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.

S. 2800: National Aeronautics and Space Administration Authorization Act of 2019

- Sponsor: Sen. Ted Cruz [R-TX]
- Cosponsors - 3 (2D,1R)
- Prognosis - 55%
- Introduced - Nov 6, 2019
- Ordered Reported - Nov 13, 2019

S. 2800 authorizes programs of the National Aeronautics and Space Administration which include provisions for cybersecurity of NASA space assets and supporting infrastructure.

H.R. 3494: Damon Paul Nelson and Matthew Young Pollard Intelligence Authorization Act for Fiscal Year 2020

- Sponsor: Rep. Adam Schiff [D-CA28]
- Cosponsors - 0
- Prognosis - 45%
- Introduced - Jun 26, 2019
- Ordered Reported - Jul 11, 2019

H.R. 3494 authorizes appropriations for fiscal year 2020 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 includes Cyber protection support for the personnel of the intelligence community in positions highly vulnerable to cyber-

attack, the addition of special pay authority for cyber positions, considerations of adversarial telecommunications and cybersecurity infrastructure when sharing intelligence with foreign governments and entities, and other cyber-centric provisions.

H.R. 2839: Department of State, Foreign Operations, and Related Programs Appropriations Act, 2020

- Sponsor: Rep. Nita Lowey [D-NY17]
- Cosponsors - 0
- Prognosis - 44%
- Introduced - May 20, 2019
- Ordered Reported - May 20, 2019

H.R. 2839 makes appropriations for Department of State, foreign operations, and related programs for the fiscal year ending September 30, 2020. The bill requires the Secretary of State or Administrator of the United States Agency for International Development to submit to the Committees on Appropriations a spend plan for funds made available for heading "International Narcotics Control and Law Enforcement" for International Organized Crime and for Cybercrime and Intellectual Property Rights: Provided, That the spend plans shall include bilateral and global programs funded under such heading along with a brief description of the activities planned for each country.

H.R. 3055: Commerce, Justice, Science, Agriculture, Rural Development, Food and Drug Administration, Interior, Environment, Military Construction, Veterans Affairs, Transportation, and Housing and Urban Development Appropriations Act, 2020

- Sponsor: Rep. José Serrano [D-NY15]
- Cosponsors - 0
- Prognosis - 34%
- Introduced - Jun 3, 2019
- Passed House (Senate next) - Jun 25, 2019

H.R. 3055 makes appropriations for the Departments of Commerce and Justice, Science, and Related Agencies for the fiscal year ending September 30, 2020. The bill prohibits the acquisition of high-impact or moderate-impact information systems as defined by the National Institute of Standards and Technology's (NIST) Federal Information Processing Standard Publication 199, "Standards for Security Categorization of Federal Information and Information

Systems" unless the agency has evaluated the supply chain risk and consulted with the FBI to assess the risk of cyber-espionage, sabotage, or intrusion.

H.R. 3052: Department of the Interior, Environment, and Related Agencies Appropriations Act, 2020

- Sponsor: Rep. Betty McCollum [D-MN4]
- Cosponsors - 0
- Prognosis - 20%
- Introduced - Jun 3, 2019
- Ordered Reported - Jun 3, 2019

H.R. 3052 makes appropriations for the Department of the Interior, environment, and related agencies for the fiscal year ending September 30, 2020. A \$69,284,000 working capital fund is established for the cybersecurity, management of information systems, and continued operation within the departments.

H.R. 3163: Transportation, Housing and Urban Development, and Related Agencies Appropriations Act, 2020

- Sponsor: Rep. David Price [D-NC4]
- Cosponsors - 0
- Prognosis - 20%
- Introduced - Jun 6, 2019
- Ordered Reported - Jun 6, 2019

H.R. 3163 makes appropriations for the Departments of Transportation, and Housing and Urban Development, and related agencies for the fiscal year ending September 30, 2020. The bill allocates \$15,000,000 to remain available through September 30, 2021 for cybersecurity initiatives, upgrades to existing networks and information technology infrastructure, improvements 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.

H.R. 3931: Department of Homeland Security Appropriations Act of 2020

- Sponsor: Rep. Lucille Roybal-Allard [D-CA40]

- Cosponsors - 0
- Prognosis - 12%
- Introduced - Jul 24, 2019
- Ordered Reported - Jul 24, 2019

H.R. 3931 provides for certain authorities of the Department of State. The bill defines “covered contractors” as, a provider of telecommunications, telecommunications equipment, or information technology equipment, including hardware, software, or services, that has knowingly assisted or facilitated a cyber-attack or conducted surveillance, including passive or active monitoring, carried out against the United States by, or on behalf of, any government, or persons associated with such government, listed as a cyber threat actor in the intelligence community’s 2017 assessment of worldwide threats to United States national security or any subsequent worldwide threat assessment of the intelligence community.

S. 2582: Department of Homeland Security Appropriations Act, 2020

- Sponsor: Sen. Shelley Capito [R-WV]
- Cosponsors - 0
- Prognosis - 4%
- Introduced - Sep 26, 2019
- Ordered Reported - Sep 26, 2019

S. 2582 makes appropriations for the Department of Homeland Security for the fiscal year ending September 30, 2020. Title III includes \$1,579,917,000 for the operations and support of the Cybersecurity and Infrastructure Security Agency.

S. 2580: Department of the Interior, Environment, and Related Agencies Appropriations Act, 2020

- Sponsor: Sen. Lisa Murkowski [R-AK]
- Cosponsors - 0
- Prognosis - 4%
- Introduced - Sep 26, 2019
- Ordered Reported - Sep 26, 2019

S. 2580 makes appropriations for the Department of the Interior, environment, and related agencies for the fiscal year ending September 30, 2020. The working capital fund allots \$68,235,000 for the operation and maintenance of a departmental financial and business

management system, information technology improvements of general benefit to the Department, cybersecurity, and the consolidation of facilities and operations throughout the Department of the Interior. A portion of the \$953,750,000 to remain available through September 30, 2023 for the Forest Service is also to be allocated to investments in information technology systems and requirements that include cybersecurity.

S. 2583: Department of State, Foreign Operations, and Related Programs Appropriations Act, 2020

- Sponsor: Sen. Lindsey Graham [R-SC]
- Cosponsors - 0
- Prognosis - 4%
- Introduced - Sep 26, 2019
- Ordered Reported - Sep 26, 2019

S. 2583 makes appropriations for the Department of State, foreign operations, and related programs for the fiscal year ending September 30, 2020. The bill calls for measures to strengthen cybersecurity measures to mitigate vulnerabilities; to advance the adoption of secure, next-generation communications networks and services, including 5G, and cybersecurity policies; and to restrict the adoption of systems developed by the People's Republic of China unless the Secretary of State, in consultation with the USAID Administrator and the President of the United States International Development Finance Corporation, as appropriate, determines that such use does not adversely impact the national security of the United States.

S. 2524: Financial Services and General Government Appropriations Act, 2020

- Sponsor: Sen. John Kennedy [R-LA]
- Cosponsors - 0
- Prognosis - 4%
- Introduced - Sep 19, 2019
- Ordered Reported - Sep 19, 2019

S. 2524 makes appropriations for financial services and general government for the fiscal year ending September 30, 2020. It includes \$18,000,000, to remain available until September 30, 2022 for the salaries and expenses for enhanced cybersecurity for systems operated by the Department of the Treasury.

S. 2522: Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations Act, 2020

- Sponsor: Sen. John Hoeven [R-ND]
- Cosponsors - 0
- Prognosis - 4%
- Introduced - Sep 19, 2019
- Ordered Reported - Sep 19, 2019

S. 2522 makes appropriations for Agriculture, Rural Development, Food and Drug Administration, and Related Agencies for the fiscal year ending September 30, 2020. The legislation allocates between \$48,950,000 and \$101,400,000 to the Office of the Chief Information Officer for the cybersecurity requirements of the department.

S. 2581: Legislative Branch Appropriations Act, 2020

- Sponsor: Sen. Cindy Hyde-Smith [R-MS]
- Cosponsors - 0
- Prognosis - 4%
- Introduced - Sep 26, 2019
- Ordered Reported - Sep 26, 2019

S. 2581 makes appropriations for the Legislative Branch for the fiscal year ending September 30, 2020. The Legislative Branch may not utilize any of the funds appropriated under the act to acquire telecommunications systems produced by Huawei Technologies Company, ZTE Corporation or a high-impact or moderate-impact information system, as defined for security categorization in the National Institute of Standards and Technology's (NIST) Federal Information Processing Standard Publication 199, "Standards for Security Categorization of Federal Information and Information Systems" unless the agency, office, or other entity acquiring the equipment or system has:

- Reviewed the supply chain risk for the information systems against criteria developed by NIST
 - Reviewed the supply chain risk from the presumptive awardee against available and relevant threat information provided by the Federal Bureau of Investigation and other appropriate agencies
 - Consulted with the Federal Bureau of Investigation or other appropriate Federal entity regarding any risk of cyber-espionage or sabotage associated with the acquisition of such system
-

S. 2584: Commerce, Justice, Science, and Related Agencies Appropriations Act, 2020

- Sponsor: Sen. Jerry Moran [R-KS]
- Cosponsors - 0
- Prognosis - 4%
- Introduced - Sep 26, 2019
- Ordered Reported - Sep 26, 2019

S. 2584 makes appropriations for the Departments of Commerce and Justice, Science, and Related Agencies for the fiscal year ending September 30, 2020. As with S. 2581, S. 2584 prohibits the utilization of any of the funds appropriated under the act to acquire information any high-impact or moderate-impact information system, as defined for security categorization in the National Institute of Standards and Technology's (NIST) Federal Information Processing Standard Publication 199, "Standards for Security Categorization of Federal Information and Information Systems" unless the agency, office, or other entity acquiring the equipment or system has:

- Reviewed the supply chain risk for the information systems against criteria developed by NIST.
 - Reviewed the supply chain risk from the presumptive awardee against available and relevant threat information provided by the Federal Bureau of Investigation and other appropriate agencies.
 - Consulted with the Federal Bureau of Investigation or other appropriate Federal entity regarding any risk of cyber-espionage or sabotage associated with the acquisition of such system.
-

H.R. 3941: FedRAMP Authorization Act

- Sponsor: Rep. Gerald Connolly [D-VA11]
- Cosponsors - 2 (2R)
- Prognosis - 3%
- Introduced - Jul 24, 2019

H.R. 3941 enhances the innovation, security, and availability of cloud computing services used in the Federal Government by establishing the Federal Risk and Authorization Management Program within the General Services Administration and by establishing a risk management, authorization, and continuous monitoring process to enable the Federal Government to

leverage cloud computing services using a risk-based approach consistent with the Federal Information Security Modernization Act of 2014 and cloud-based operations.

H.R. 2740: Labor, Health and Human Services, Education, Defense, State, Foreign Operations, and Energy and Water Development Appropriations Act, 2020

- Sponsor: Rep. Rosa DeLauro [D-CT3]
- Cosponsors - 0
- Prognosis - 2%
- Introduced - May 15, 2019
- Failed Cloture - Oct 31, 2019

H.R. 2740 makes appropriations for the Departments of Labor, Health and Human Services, and Education, and related agencies for the fiscal year ending September 30, 2020. It allocates funding for expenses necessary to support activities related to countering potential biological, nuclear, radiological, chemical, and cybersecurity threats to civilian populations, and for other public health emergencies, in the amount of \$1,083,458,000 (increased by \$1,000,000), of which \$566,700,000 shall remain available through September 30, 2021. The funds are for expenses necessary to support advanced research and development pursuant to section 319L of the PHS Act and other administrative expenses of the Biomedical Advanced Research and Development Authority, provided, that the funds allocated for the purpose of acquisition of security countermeasures shall be in addition to any other funds available for such purpose.

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.

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.

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.

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.

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.

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.

H.R. 3266: JROTC Cyber Training Act

- Sponsor: Rep. Lizzie Fletcher [D-TX7]
- Cosponsors - 8 (4D,4R)
- Prognosis - 64%
- Introduced - Jun 13, 2019

H.R. 3266 directs the Secretary of Defense to carry out a program to enhance the preparation of students in the Junior Reserve Officers' Training Corps for careers in computer science and cybersecurity.

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.

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

H.R. 1649: Small Business Development Center Cyber Training Act of 2019

- Sponsor: Rep. Steve Chabot [R-OH1]
- Cosponsors - 6 (4D,2R)
- Prognosis - 24%
- Introduced - Mar 8, 2019
- Ordered Reported - Jun 13, 2019

H.R. 1649 amends the Small Business Act to require cyber certification for small business development center counselors.

S. 2775: HACKED Act of 2019

- Sponsor: Sen. Roger Wicker [R-MS]
- Cosponsors - 3 (2D,1R)
- Prognosis - 22%
- Introduced - Nov 5, 2019
- Ordered Reported - Nov 13, 2019

S. 2775 focuses on improving the cyber workforce of the United States by promoting higher education and expertise in cybersecurity, by considering the specific needs of the cybersecurity workforce of critical infrastructure, and by developing metrics to measure the effectiveness and effect of programs and initiatives to advance the cybersecurity workforce.

H.R. 2331: SBA Cyber Awareness Act

- Sponsor: Rep. Jason Crow [D-CO6]
- Cosponsors - 7 (4R,3D)
- Prognosis - 19%
- Introduced - Apr 18, 2019
- Ordered Reported - Jun 13, 2019

H.R. 2331 requires an annual report on the cybersecurity of the Small Business Administration, and for other purposes.

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.

S. 2034: Small Business Cybersecurity Assistance Act of 2019

- Sponsor: Sen. Gary Peters [D-MI]
- Cosponsors - 1 (1R)
- Prognosis - 5%
- Introduced - Jun 27, 2019

S. 2034 authorizes small business development centers to provide cybersecurity assistance to small business concerns.

S. 2579: STEM Opportunities Act of 2019

- Sponsor: Sen. Mazie Hirono [D-HI]
- Cosponsors - 9 (9D)
- Prognosis - 4%
- Introduced - Sep 26, 2019

S. 2579 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.

S. 153: Supporting Veterans in STEM Careers Act

- Sponsor: Sen. Marco Rubio [R-FL]
- Cosponsors - 9 (5D,4R)
- Prognosis - 4%
- Introduced - Jan 16, 2019
- Ordered Reported - Jul 10, 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.

H.R. 3484: DHS Rotational Cybersecurity Program Act of 2019

- Sponsor: Rep. Cedric Richmond [D-LA2]
- Cosponsors - 3 (3D)
- Prognosis - 3%
- Introduced - Jun 25, 2019

H.R. 3484 amends the Homeland Security Act of 2002 to authorize the Secretary of Homeland Security to establish a rotational cybersecurity research program.

H.R. 2528: STEM Opportunities Act of 2019

- Sponsor: Rep. Eddie Johnson [D-TX30]
- Cosponsors - 29 (25D,4R)
- Prognosis - 4%
- Introduced - May 7, 2019
- Passed House (Senate next) - Sep 26, 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.

S. 2154: JROTC Cyber Training Act

- Sponsor: Sen. Jacky Rosen [D-NV]
- Cosponsors - 3 (2R,1D)
- Prognosis - 4%
- Introduced - Jul 17, 2019

S. 2154 directs the Secretary of Defense to carry out a program to enhance the preparation of students in the Junior Reserve Officers' Training Corps for careers in computer science and cybersecurity.

H.R. 2944: TALENT Act

- Sponsor: Rep. Gilbert Cisneros [D-CA39]
- Cosponsors - 0
- Prognosis - 2%
- Introduced - May 23, 2019

H.R. 2944 amends title 10, United States Code, to establish a public-private exchange program for the acquisition workforce.

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.

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.

H.R. 4962: Cybersecurity Curriculum Enhancement Act

- Sponsor: Rep. John Katko [R-NY24]
- Cosponsors - 1 (1D)
- Prognosis - 1%
- Introduced - Oct 31, 2019

H.R. 4962 directs the Secretary of Education to award grants for cybersecurity curriculum for secondary schools.

H.R. 4915: Small Business Cybersecurity Enhancement Act

- Sponsor: Rep. Bradley Schneider [D-IL10]
- Cosponsors - 2 (1D,1R)
- Prognosis - 1%
- Introduced - Oct 30, 2019

H.R. 4915 amends the Small Business Act to provide loan guarantees for the acquisition of cybersecurity technology and services by eligible small businesses.

H.R. 4774: Internet of Things Cyber Security Training for Federal Employees Act

- Sponsor: Rep. Ro Khanna [D-CA17]
- Cosponsors - 0
- Prognosis - 1%
- Introduced - Oct 21, 2019

H.R. 4774 amends section 3554(a)(4) of title 44, United States Code, to direct the head of each agency to ensure Federal employees are trained in cyber security.

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.

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

- Sponsor: Rep. James “Jim” Langevin [D-R12]
- 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.

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.

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.

[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.

[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.

[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.

H.Res. 551: Emphasizing the importance of addressing participation in career and technical education.

- Sponsor: Rep. Robert Wittman [R-VA1]
- Cosponsors - 0
- Introduced - Sep 10, 2019

H. Res. 551 emphasizes the importance of addressing participation in career and technical education in the face of technical talent deficiencies that include the cyber talent shortage. The resolution encourages the House of Representatives to:

- Recognize the importance of career and technical education in preparing students to enter the workforce;
 - Recognize the technical skills and soft skills developed through career and technical education programs;
 - Recognize that the public and private sector must work with schools to further develop curriculum and internship and apprenticeship opportunities for students; and
 - Support educators, school officials, counselors, and parents promoting career and technical education as a respected career option for students.
-

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.

S. 1834: Deceptive Practices and Voter Intimidation Prevention Act of 2019

- Sponsor: Sen. Benjamin Cardin [D-MD]
- Cosponsors - 9 (9D)
- Prognosis - 56%
- Introduced - Jun 13, 2019

S. 1834 prohibit deceptive practices in Federal elections, which include malicious cyber activities and foreign influence operations.

H.R. 2722: SAFE Act

- Sponsor: Rep. Zoe Lofgren [D-CA19]
- Cosponsors - 12 (12D)
- Prognosis - 39%
- Introduced - May 14, 2019
- Passed House (Senate next) - Jun 27, 2019

S. 2238: SAFE Act

- Sponsor: Sen. Amy Klobuchar [D-MN]
- Cosponsors - 6 (6D)
- Prognosis - 3%
- Introduced - Jul 23, 2019

H.R. 2722 and S. 2238 protect elections for public office by providing financial support and enhanced cyber and physical security for the infrastructure used to carry out such elections.

H.R. 3529: Achieving Lasting Electoral Reforms on Transparency and Security Act

- Sponsor: Rep. Stephanie Murphy [D-FL7]
- Cosponsors - 17 (10R,7D)
- Prognosis - 27%
- Introduced - Jun 27, 2019

H.R. 3529 requires the Secretary of Homeland Security to promptly notify appropriate State and local officials and Members of Congress if Federal officials have credible evidence of an unauthorized intrusion into an election system and a basis to believe that such intrusion could have resulted in voter information being altered or otherwise affected, to require State and local officials to notify potentially affected individuals of such an intrusion.

H.R. 3412: Election Security Assistance Act

- Sponsor: Rep. Rodney Davis [R-IL13]
- Cosponsors - 39 (39R)
- Prognosis - 24%
- Introduced - Jun 21, 2019

H.R. 3412 protects the administration of Federal elections against cybersecurity threats by tasking the Secretary of Homeland Security with notifying State and local officials of election cybersecurity incidents and by requiring responses by state and local officials, the Federal Bureau of Investigation, and the Director of National Intelligence.

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.

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.

S. 1060: Defending Elections from Threats by Establishing Redlines Act of 2019

- Sponsor: Sen. Chris Van Hollen [D-MD]
- Cosponsors - 1 (1R)
- Prognosis - 6%
- Introduced - Apr 8, 2019

S. 1060 deters foreign interference in United States elections by assessing election infrastructure for foreign influence and by imposing sanctions on foreign threat actors.

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.

H.R. 4777: Protect our Elections Act

- Sponsor: Rep. Jefferson Van Drew [D-NJ2]
- Cosponsors - 9 (5R,4D)
- Prognosis - 6%
- Introduced - Oct 21, 2019

H.R. 4777 amends the Help America Vote Act of 2002 to require States to take steps to ensure domestic ownership and control of election service providers.

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.

H.R. 3850: Creating Candidate Capacity to Protect Act

- Sponsor: Rep. John Sarbanes [D-MD3]
- Cosponsors - 0
- Prognosis - 2%
- Introduced - Jul 18, 2019

H.R. 3850 amends the Federal Election Campaign Act of 1971 to exempt assistance provided by political parties to the campaigns of candidates who are affiliated with such parties for secure information communications technology or cybersecurity products or services from the limitations on the amount of coordinated expenditures parties may make in connection with the campaigns of such candidates.

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.

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.

S. 1569: Federal Campaign Cybersecurity Assistance Act of 2019

- Sponsor: Sen. Ron Wyden [D-OR]
- Cosponsors - 0

- Prognosis - 2%
- Introduced - May 21, 2019

S. 1569 amends the Federal Election Campaign Act of 1971 to allow certain expenditures for cybersecurity-related services or assistance.

H.R. 4990: Election Technology Research Act of 2019

- Sponsor: Rep. Mikie Sherrill [D-NJ11]
- Cosponsors - 6 (3D,3R)
- Introduced - Nov 8, 2019
- Ordered Reported - Nov 14, 2019

To direct the National Institute of Standards and Technology and the National Science Foundation to carry out research and other activities to promote the security and modernization of voting systems, and for other purposes.

H.R. 4990 directs the National Institute of Standards and Technology and the National Science Foundation to carry out research and other activities to promote the security and modernization of voting systems.

H.R. 3238: [Untitled Election Security Act]

- Sponsor: Rep. John Ratcliffe [R-TX4]
- Cosponsors - 7 (4D,3R)
- Introduced - Jun 12, 2019

H.R. 3238 amends title 18, United States Code, to prohibit interference with voting systems under the Computer Fraud and Abuse Act.

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.

[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.

[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.

[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.

[H. Res. 556: “National Voting Rights Month” Resolution](#)

- Sponsor: Rep. Marc Veasey [D-TX33]
- Cosponsors - 60 (60D)

- Introduced - Sep 12, 2019

H. Res. 556 urges Congress to designate the month of September as “National Voting Rights Month” and it encourages Congress to pass election security bills that include:

- H.R. 1: the For the People Act of 2019
 - H.R. 4: the Voting Rights Advancement Act of 2019
 - H.R. 2722: the Securing America’s Federal Elections (SAFE) Act
-

Energy Sector

Category Definition: Legislation directly impacting the Energy sector and relevant critical infrastructure.

[S. 1102: Eastern Mediterranean Security and Energy Partnership Act of 2019](#)

- Sponsor: Sen. Robert “Bob” Menendez [D-NJ]
- Cosponsors - 7 (4R,3D)
- Prognosis - 74%
- Introduced - Apr 10, 2019
- Ordered Reported - Jun 25, 2019

S. 1102 promotes security and energy partnerships in the Eastern Mediterranean. Cybersecurity provisions include requiring the United States Government to provide training to Cypriot officials in areas such as cybersecurity, counterterrorism, and explosive ordnance disposal and stockpile management, to counter Russian interference in the region, to increase cyber threat information sharing with Greece, Cyprus, and Israel, and to assess the potential of election interference in the region.

[H.R. 370: Pipeline and LNG Facility Cybersecurity Preparedness Act](#)

- Sponsor: Rep. Fred Upton [R-MI6]
- Cosponsors - 2 (2D)
- Prognosis - 47%
- Introduced - Jan 9, 2019
- Ordered Reported - Jul 17, 2019

H.R. 370 requires the Secretary of Energy to carry out a program relating to physical security and cybersecurity for pipelines and liquefied natural gas facilities.

[S. 174: Securing Energy Infrastructure Act](#)

- Sponsor: Sen. Angus King [I-ME]
- Cosponsors - 4 (3R,1D)
- Prognosis - 34%
- Introduced - Jan 17, 2019

S. 174 provides for the establishment of a pilot program to identify security vulnerabilities of certain entities in the energy sector.

H.R. 359: Enhancing Grid Security through Public-Private Partnerships Act

- Sponsor: Rep. Jerry McNerney [D-CA9]
- Cosponsors - 3 (2R,1D)
- Prognosis - 16%
- Introduced - Jan 9, 2019
- Ordered Reported - Jul 17, 2019

H.R. 359 provide for certain programs and developments in the Department of Energy concerning the cybersecurity and vulnerabilities of, and physical threats to, the electric grid and other energy infrastructure.

H.R. 362: Energy Emergency Leadership Act

- Sponsor: Rep. Bobby Rush [D-IL1]
- Cosponsors - 3 (2R,1D)
- Prognosis - 18%
- Introduced - Jan 9, 2019
- Ordered Reported - Jul 17, 2019

Subsection (a) of section 203 of the Department of Energy Organization Act (42 U.S.C. 7133(a)) is amended to include responsibilities with respect to infrastructure, cybersecurity, emerging threats, supply, and emergency planning, coordination, response, and restoration.

H.R. 360: Cyber Sense Act of 2019

- Sponsor: Rep. Robert Latta [R-OH5]
- Cosponsors - 3 (2D,1R)
- Prognosis - 14%
- Introduced - Jan 9, 2019
- Ordered Reported - Jul 17, 2019

H.R. 360 requires the Secretary of Energy to establish a voluntary Cyber Sense program to test the cybersecurity of products and technologies intended for use in the bulk-power system, and for other purposes.

S. 876: Energy Jobs for our Heroes Act of 2019

- Sponsor: Sen. Tammy Duckworth [D-IL]
- Cosponsors - 3 (2R,1D)
- Prognosis - 6%
- Introduced - Mar 26, 2019

S. 876 amends the Energy Policy Act of 2005 to require the Secretary of Energy to establish a program to prepare veterans for careers in the energy industry, including the solar, wind, cybersecurity, and other low-carbon emissions sectors or zero-emissions sectors of the energy industry, and for other purposes.

S. 2556: Protecting Resources On The Electric grid with Cybersecurity Technology Act of 2019

- Sponsor: Sen. Lisa Murkowski [R-AK]
- Cosponsors - 4 (2D,1R,1I)
- Prognosis - 4%
- Introduced - Sep 26, 2019

S. 2556 amends the Federal Power Act to provide energy cybersecurity investment incentives, to establish a grant and technical assistance program for cybersecurity investments.

S. 2332: Grid Modernization Act of 2019

- Sponsor: Sen. Maria Cantwell [D-WA]
- Cosponsors - 2 (2D)
- Prognosis - 4%
- Introduced - Jul 30, 2019
- Ordered Reported - Sep 25, 2019

S. 2332 provides for the modernization of the electric grid. Phase IV of Sec. 5. "Micro-grid and hybrid micro-grid systems program" includes the development of physical and cybersecurity plans to take appropriate measures to protect and secure the electric grid.

S. 2094: Enhancing State Energy Security Planning and Emergency Preparedness Act of 2019

- Sponsor: Sen. Cory Gardner [R-CO]
- Cosponsors - 1 (1D)
- Prognosis - 3%
- Introduced - Jul 11, 2019
- Ordered Reported - Sep 25, 2019

S. 2094 amends the Energy Policy and Conservation Act to provide Federal financial assistance to States to implement State energy security plans that protect energy infrastructure from physical and cybersecurity threats.

H.R. 2114: Enhancing State Energy Security Planning and Emergency Preparedness Act of 2019

- Sponsor: Rep. Bobby Rush [D-IL1]
- Cosponsors - 1 (1R)
- Prognosis - 3%
- Introduced - Apr 8, 2019
- Passed House (Senate next) - Sep 9, 2019

H.R. 2114 amends the Energy Policy and Conservation Act to provide Federal financial assistance to States to implement, review, and revise State energy physical security and cybersecurity plans.

H.R. 680: Securing Energy Infrastructure Act

- Sponsor: Rep. A. Dutch Ruppersberger [D-MD2]
- Cosponsors - 1 (1R)
- Prognosis - 3%
- Introduced - Jan 17, 2019

H.R. 680 provide for the establishment of a pilot program to identify security vulnerabilities of certain entities in the energy sector.

S. 2380: Next Generation Electric Systems Act of 2019

- Sponsor: Sen. Mazie Hirono [D-HI]
- Cosponsors - 0
- Prognosis - 3%
- Introduced - Jul 31, 2019

S. 2380 directs the Secretary of Energy to establish a grant program for the transformation of the electric grid. Projects eligible for the grants must include the development of a cybersecurity plan written in accordance with guidelines developed by the Secretary.

S. 2334: 21st Century Energy Workforce Act of 2019

- Sponsor: Sen. Maria Cantwell [D-WA]
- Cosponsors - 1 (1D)
- Prognosis - 3%
- Introduced - Jul 30, 2019
- Ordered Reported - Sep 25, 2019

S. 2334 require the Secretary of Energy to establish the 21st Century Energy Workforce Advisory Board. The membership of the Board shall be representative of the broad range of the energy industry, labor organizations, workforce development, education, minority participation, cybersecurity, and economics disciplines.

S. 2702: Integrated Energy Systems Act of 2019

- Sponsor: Sen. James Risch [R-ID]
- Cosponsors - 1 (1D)
- Prognosis - 4%
- Introduced - Oct 24, 2019
- Ordered Reported - Nov 19, 2019

S. 2702 requires the Secretary of Energy to establish an integrated energy systems research, development, and demonstration. The program shall be carried out by the Office of Nuclear Energy, in partnership with the Office of Cybersecurity, Energy Security, and Emergency Response, among other partners, and the goals include mitigating cyberattacks, physical disruptions, and vulnerabilities to transmission congestion on the power grid.

S. 2333: Energy Cybersecurity Act of 2019

- Sponsor: Sen. Maria Cantwell [D-WA]
- Cosponsors - 1 (1D)
- Prognosis - 4%
- Introduced - Jul 30, 2019
- Ordered Reported - Sep 25, 2019

S. 2333 provides for enhanced energy grid cyber security through the research, development, and demonstration of advanced cybersecurity applications and technologies for the energy sector.

H.R. 4061: Blue Collar and Green Collar Jobs Development Act of 2019

- Sponsor: Rep. Bobby Rush [D-IL1]
- Cosponsors - 4 (2D,2R)
- Prognosis - 3%
- Introduced - Jul 25, 2019

H.R. 4061 directs the Secretary of Energy to establish and carry out a comprehensive, nationwide, energy-related industries jobs program that creates jobs in smart grid technology, cybersecurity management, and the generation, transmission, and distribution of electricity and natural gas, such as electricians and utility dispatchers, technicians, operators, line workers, engineers, scientists, and information technology specialists.

H.R. 3983: Promoting Interagency Coordination for Review of Natural Gas Pipelines Act

- Sponsor: Rep. Bill Flores [R-TX17]
- Cosponsors - 3 (3R)
- Prognosis - 3%
- Introduced - Jul 25, 2019

H.R. 3983 provides for Federal and State agency coordination in the approval of certain authorizations under the Natural Gas Act. The bill requires the Federal Energy Regulatory Commission to consult with the Administrator of the Transportation Security Administration regarding an applicant's compliance with security guidance and best practice recommendations of the Administration regarding pipeline infrastructure security, pipeline cybersecurity, pipeline personnel security, and other pipeline security measures.

S. 1739: Department of Energy National Labs Jobs ACCESS Act

- Sponsor: Sen. Tammy Duckworth [D-IL]
- Cosponsors - 2 (1D,1R)
- Prognosis - 3%
- Introduced - Jun 5, 2019
- Ordered Reported - Nov 19, 2019

S. 1739 enables projects that will aid in the development and delivery of related instruction associated with apprenticeship and pre-apprenticeship programs that are focused on serving the skilled technical workforce at the National Laboratories and certain facilities of the National Nuclear Security Administration, including cybersecurity personnel.

S. 300: Pipeline and LNG Facility Cybersecurity Preparedness Act

- Sponsor: Sen. John Cornyn [R-TX]
- Cosponsors - 1 (1D)
- Prognosis - 2%
- Introduced - Jan 31, 2019

S. 300 require the Secretary of Energy to carry out a program relating to physical security and cybersecurity for pipelines and liquefied natural gas facilities.

S. 2668: Solar Energy Research and Development Act of 2019

- Sponsor: Sen. Kyrsten Sinema [D-AZ]
- Cosponsors - 1 (1R)
- Prognosis - 2%
- Introduced - Oct 22, 2019
- Ordered Reported - Nov 19, 2019

S. 2668 establishes a program for research, development, and demonstration of solar energy technologies. Grant areas include the cyber and physical security of the electric grid.

S. 2095:

- Sponsor: Sen. Cory Gardner [R-CO]
- Cosponsors - 1 (1D)
- Introduced - Jul 11, 2019
- Prognosis - 3%

- Ordered Reported - Sep 25, 2019

S. 2095 provides for certain programs and developments in the Department of Energy concerning the cybersecurity and vulnerabilities of, and physical threat to, the electric grid, and other energy systems.

S. 876: Energy Jobs for our Heroes Act of 2019

- Sponsor: Sen. Tammy Duckworth [D-IL]
- Cosponsors - 4 (3R,1D)
- Prognosis - 1%
- Introduced - Mar 26, 2019
- Ordered Reported - Nov 19, 2019

S. 876 amends the Energy Policy Act of 2005 to require the Secretary of Energy to establish a program to prepare veterans for careers in the energy industry, including the solar, wind, cybersecurity, and other low-carbon emissions sectors or zero-emissions sectors of the energy industry.

S. 2556: Protecting Resources On The Electric grid with Cybersecurity Technology Act of 2019

- Sponsor: Sen. Lisa Murkowski [R-AK]
- Cosponsors - 4 (2D,1R,1I)
- Prognosis - 1%
- Introduced - Sep 26, 2019
- Ordered Reported - Nov 19, 2019

S. 2556 amends the Federal Power Act to provide energy cybersecurity investment incentives, to establish a grant and technical assistance program for cybersecurity investments.

H.R. 3699:

- Sponsor: Rep. Emanuel Cleaver [D-MO5]
- Cosponsors - 0
- Introduced - Jul 11, 2019

H.R. 3699 codifies the Transportation Security Administration's responsibility relating to securing pipelines against cybersecurity threats, acts of terrorism, and other nefarious acts that jeopardize the physical security or cybersecurity of pipelines.

Federal Government

Category Definition: Legislation impacting the cyber posture of the federal government or establishing federal cyber initiatives.

[H.R. 247: Federal CIO Authorization Act of 2019](#)

- Sponsor: Rep. Will Hurd [R-TX23]
- Cosponsors - 3 (2D,1R)
- Prognosis - 79%
- Introduced - Jan 4, 2019
- Passed House (Senate next) - Jan 15, 2019

H.R. 247 amends chapter 36 of title 44 to establish a federal CIO in the Office of Management and Budget who will direct OMB cybersecurity efforts.

[H.R. 618](#)

- Sponsor: Rep. A. Dutch Ruppersberger [D-MD2]
- Cosponsors - 3 (2R,1D)
- Prognosis - 28%
- Introduced - Jan 16, 2019

H.R. 618 establishes the Office of Critical Technologies and Security, to coordinate a whole-of-government response to protect critical emerging, foundational, and dual-use technologies and to effectively enlist the support of Federal agencies, the private sector, and other scientific and technical hubs, including academia, to support and assist with such response; and to develop a long-term strategy to achieve and maintain United States technological supremacy with respect to critical emerging, foundational, and dual-use technologies and ensure supply chain integrity and security for such technologies.

[S. 1846: State and Local Government Cybersecurity Act of 2019](#)

- Sponsor: Sen. Gary Peters [D-MI]
- Cosponsors - 1 (1R)
- Prognosis - 27%
- Introduced - Jun 13, 2019

- Ordered Reported - Jun 19, 2019

S. 1846 amends the Homeland Security Act of 2002 to make grants to and enter into cooperative agreements or contracts with States, local governments, and other non-Federal entities as the Secretary determines necessary to carry out the responsibilities of the Secretary related to cybersecurity and infrastructure security under this Act and any other provision of law, including grants, cooperative agreements, and contracts that provide assistance and education related to cyber threat indicators, defensive measures and cybersecurity technologies, cybersecurity risks, incidents, analysis, and warnings.

S. 2749: DOTGOV Online Trust in Government Act of 2019

- Sponsor: Sen. Gary Peters [D-MI]
- Cosponsors - 5 (3R,2D)
- Prognosis - 18%
- Introduced - Oct 30, 2019
- Ordered Reported - Nov 6, 2019

S. 2749 aims to help local governments who would to create a “.gov” website or switch their existing website accordingly. The bill would allow such a change to be deducted under the federal Homeland Security Grant Program, making it more affordable. The Department of Homeland Security would also be required to develop an outreach program for local governments, to better get the word out. Supporters argue the bill would help potentially tens of thousands of smaller towns, counties, and municipalities from cyberattacks, malware, and viruses.

S. 890: Senate Cybersecurity Protection Act

- Sponsor: Sen. Ron Wyden [D-OR]
- Cosponsors - 1 (1R)
- Prognosis - 6%
- Introduced - Mar 27, 2019

S. 890 authorizes the Sergeant at Arms to protect the personal technology devices and accounts of Senators and covered employees from cyber-attacks and hostile information collection activities, and for other purposes.

H.R. 2130: State Cyber Resiliency Act

- Sponsor: Rep. Derek Kilmer [D-WA6]
- Cosponsors - 1 (1R)
- Prognosis - 4%
- Introduced- Apr 8, 2019

S. 1065: State Cyber Resiliency Act

- Sponsor: Sen. Mark Warner [D-VA]
- Cosponsors - 1 (1R)
- Prognosis - 6%
- Introduced - Apr 8, 2019

H.R. 2130 and S. 1065 provide grants to assist State, local, and tribal governments in developing and implementing plans to address cybersecurity threats or vulnerabilities, and for other purposes.

H.R. 2013: Information Transparency & Personal Data Control Act

- Sponsor: Rep. Suzan DelBene [D-WA1]
- Cosponsors - 2 (2D)
- Prognosis - 4%
- Introduced - Apr 1, 2019

H.R. 2013 requires the Federal Trade Commission to promulgate regulations related to sensitive personal information, and for other purposes.

H.R. 455: Safe and Secure Federal Websites Act of 2019

- Sponsor: Rep. Charles “Chuck” Fleischmann [R-TN3]
- Cosponsors - 0
- Prognosis - 3%
- Introduced - Jan 10, 2019

H.R. 455 ensures the functionality and security of new Federal websites that collect personally identifiable information, and for other purposes.

H.R. 6680: To provide for the processes and procedures for the granting, denying, or revoking of access, or eligibility for access, to classified information.

- Sponsor: Rep. James “Jim” Langevin [D-R12]
- Cosponsors - 2 (2D)
- Prognosis - 3%
- Introduced - Aug 24, 2018

Not yet at committee; establishes that notwithstanding any other provision of law, access, or eligibility for access, to classified information may not be granted, denied, or revoked except in accordance with the processes and procedures under Executive Orders 12968 and 13467, Part 147 of title 32, Code of Federal Regulations, or applicable department and agency regulations that govern access to classified information and due process requirements.

H.R. 6638: Cybersecurity Disclosure Act of 2018

- Sponsor: Rep. James Himes [D-CT4]
- Cosponsors - 3 (2D,1R)
- Prognosis - 3%
- Introduced - Jul 27, 2018

H.R. 6638 directs the Securities and Exchange Commission (SEC) to issue final rules requiring a registered issuer to disclose in its mandatory annual report or annual proxy statement whether any member of its governing body has expertise or experience in cybersecurity, including details necessary to describe fully the nature of that expertise or experience; and if no member has such expertise or experience, describe what other company cybersecurity steps were taken into account by the persons responsible for identifying and evaluating nominees for the governing body. The SEC shall, in coordination with the National Institute of Standards and Technology, define what constitutes expertise or experience in cybersecurity.

S. 1846: State and Local Government Cybersecurity Act of 2019

- Sponsor: Sen. Gary Peters [D-MI]
- Cosponsors - 4 (2D,2R)
- Prognosis - 3%
- Introduced - Jun 13, 2019
- Passed Senate (House next) - Nov 21, 2019

S. 1846 amends the Homeland Security Act of 2002 to make grants to and enter into cooperative agreements or contracts with States, local governments, and other non-Federal entities as the Secretary determines necessary to carry out the responsibilities of the Secretary related to cybersecurity and infrastructure security under this Act and any other provision of

law, including grants, cooperative agreements, and contracts that provide assistance and education related to cyber threat indicators, defensive measures and cybersecurity technologies, cybersecurity risks, incidents, analysis, and warnings.

H.R. 328: [Currently Unnamed Vulnerability Disclosure Bill]

- Sponsor: Rep. Ted Lieu [D-CA33]
- Cosponsors - 1 (1R)
- Prognosis - 2%
- Introduced - Jan 8, 2019

H.R. 328 requires the Secretary of State to design and establish a Vulnerability Disclosure Process (VDP) to improve Department of State cybersecurity and a bug bounty program to identify and report vulnerabilities of internet-facing information technology of the Department of State, and for other purposes.

S.Res. 345: Cybersecurity Awareness Month Resolution

- Sponsor: Sen. Bill Cassidy [R-LA]
- Cosponsors - 9 (4R,4D,1I)
- Introduced - Sep 26, 2019
- Agreed To (Simple Resolution) - Oct 31, 2019

S. Res 345 is a resolution supporting the goals and ideals of National Cybersecurity Awareness Month to raise awareness about, and enhance the state of, cybersecurity in the United States.

S.Res. 345: Cybersecurity Month Resolution

- Sponsor: Sen. Bill Cassidy [R-LA]
- Cosponsors - 9 (4R,4D,1I)
- Introduced - Sep 26, 2019

S. Res. 345 supports the goals and ideals of National Cybersecurity Awareness Month to raise awareness about, and enhance the state of, cybersecurity in the United States.

S. 429: [Unnamed Cybersecurity Exchange Bill]

- Sponsor: Sen. Amy Klobuchar [D-MN]
- Cosponsors - 1 (1R)
- Introduced - Feb 7, 2019

S. 429 requires the establishment of exchange programs relating to cybersecurity positions between the private sector and certain Federal agencies, and for other purposes.

H.Res. 79

- Sponsor: Rep. Jennifer Wexton [D-VA10]
- Cosponsors - 0
- Failed Under Suspension - Jan 30, 2019
- Introduced - Jan 28, 2019

H. Res. 79 expresses the sense of the House of Representatives that Government shutdowns are detrimental to the Nation and should not occur, in part because shutdowns inhibit the ability of DHS and other agencies to secure their systems against and respond to cybersecurity threats.

H.R. 1668: [Unnamed Federal IoT Cybersecurity Bill]

- Sponsor: Rep. Robin Kelly [D-IL2]
- Cosponsors - 13 (7R,6D)
- Introduced - Mar 11, 2019

S. 734: [Unnamed Federal IoT Cybersecurity Bill]

- Sponsor: Sen. Mark Warner [D-VA]
- Cosponsors - 3 (2R,1D)
- Introduced - Mar 11, 2019

H.R. 1668 and S. 734 aim to leverage the Federal Government's procurement power to encourage increased cybersecurity for Internet of Things devices, and for other purposes.

Financial

Category Definition: Legislation affecting financial institutions and financial systems and processes.

[H.R. 3151: Taxpayer First Act](#)

- Sponsor: Rep. John Lewis [D-GA5]
- Cosponsors - 28 (20D,8R)
- Introduced - Jun 6, 2019
- Enacted — Signed by the President - Jul 1, 2019

H.R. 3151 amends the Internal Revenue Code of 1986 to modernize and improve the Internal Revenue Service; amongst the improvements are provisions to improve the cybersecurity posture of the Internal Revenue Service and provisions to institute cybersecurity and identity protections against digital threat actors.

[H.R. 1957: Taxpayer First Act of 2019](#)

- Sponsor: Rep. John Lewis [D-GA5]
- Cosponsors - 28 (18D,10R)
- Prognosis - 90%
- Introduced - Mar 28, 2019
- Passed House (Senate next) - Apr 9, 2019

[S. 928: Taxpayer First Act of 2019](#)

- Sponsor: Sen. Charles “Chuck” Grassley [R-IA]
- Cosponsors - 2 (1R,1D)
- Prognosis - 7%
- Introduced - Mar 28, 2019

H.R. 1957 and S. 928 specify cybersecurity and identity theft protections. It also directs the Secretary of the Treasury to submit a comprehensive written plan to redesign the organization of the Internal Revenue Service that includes steps to improve the cybersecurity posture of the IRS.

[H.R. 4458: Cybersecurity and Financial System Resilience Act of 2019](#)

- Sponsor: Rep. Patrick McHenry [R-NC10]
- Cosponsors - 7 (7R)

- Prognosis - 63%
- Introduced - Sep 24, 2019
- Ordered Reported - Oct 31, 2019

H.R. 4458 requires the Board of Governors of the Federal Reserve System to issue reports on cybersecurity with respect to the functions of the Federal Reserve System.

H.R. 1387: CONFRONT Act

- Sponsor: Rep. David Kustoff [R-TN8]
- Cosponsors - 2 (2D)
- Prognosis - 57%
- Introduced - Feb 27, 2019

H.R. 1387 requires the President to develop a national strategy to combat the financial networks of transnational organized criminals, including cyber criminals and cyber-criminal gangs. It also calls for an assessment of methods utilized by transnational organized crime groups to launder funds and otherwise misuse digital currencies and other cyber technologies.

H.R. 4895: CFTC Reauthorization Act of 2019

- Sponsor: Rep. Collin Peterson [D-MN7]
- Cosponsors - 27 (14D,13R)
- Prognosis - 55%
- Introduced - Oct 29, 2019
- Ordered Reported - Oct 30, 2019

H.R. 4895 reauthorizes the Commodity Futures Trading Commission. The commission will establish and maintain research, development, demonstration, and information programs that further the purposes of this Act, including programs that facilitate the understanding by the Commission of emerging technologies, technological advances, and innovations and their potential application to and effect on the transactions and markets under the jurisdiction of the Commission, and associated implications for cybersecurity, data security, and systemic risk.

H.R. 3351: Financial Services and General Government Appropriations Act, 2020

- Sponsor: Rep. Mike Quigley [D-IL5]
- Cosponsors - 0
- Prognosis - 39%
- Introduced - Jun 19, 2019

- Passed House (Senate next) - Jun 26, 2019

H.R. 3351 makes appropriations for financial services and general government for the fiscal year ending September 30, 2020. The bill allocates \$18,000,000, to remain available until September 30, 2022 for salaries and expenses for enhanced cybersecurity for systems operated by the Department of the Treasury, provided that the funds shall supplement and not supplant any other amounts made available to the Treasury offices and bureaus for cybersecurity.

H.R. 1500: Consumers First Act

- Sponsor: Rep. Maxine Waters [D-CA43]
- Cosponsors - 29 (29D)
- Prognosis - 18%
- Introduced - Mar 5, 2019
- Ordered Reported - Mar 28, 2019

H.R. 1500 charges the Consumer Finance Protection Bureau to resume protecting consumers from financial firms and digital threats.

H.R. 1731: [Unnamed Publicly Traded Companies Bill]

- Sponsor: Rep. James Himes [D-CT4]
- Cosponsors - 2 (2D)
- Introduced - Mar 13, 2019

S. 592: Cybersecurity Disclosure Act of 2019

- Sponsor: Sen. John "Jack" Reed [D-RI]
- Cosponsors - 6 (3D,3R)
- Prognosis - 8%
- Introduced - Feb 28, 2019

H.R. 1731 and S. 592 amend the Securities Exchange Act of 1934 to issue a new set of rules requiring U.S. companies to tell their investors whether they have someone who has cyber expertise on their board. If they don't, they must explain to their investors why this is the case.

S. 2: Fair Trade with China Enforcement Act

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

- Prognosis - 7%
- Introduced - Jan 3, 2019

S. 2 safeguards certain technology and intellectual property in the United States from export to or influence by the People's Republic of China and to protect United States industry from unfair competition by the People's Republic of China.

H.R. 3839: Research Advancing to Market Production for Innovators Act

- Sponsor: Rep. Chrissy Houlahan [D-PA6]
- Cosponsors - 2 (2R)
- Prognosis - 4%
- Introduced - Jul 18, 2019

H.R. 3839 improves commercialization activities in the SBIR and STTR programs. It amends Section 9 of the Small Business Act (15 U.S.C. 638) by allowing for cybersecurity assistance.

S. 2563: ILLICIT CASH Act

- Sponsor: Sen. Mark Warner [D-VA]
- Cosponsors - 7 (4R,3D)
- Prognosis - 4%
- Introduced - Sep 26, 2019

S. 2563 improves the laws relating to money laundering. It amends title V of the Gramm-Leach-Bliley Act to define “cybersecurity purpose” according to section 102 of the Cybersecurity Information Sharing Act of 2015. It also defines some of the cybersecurity duties of Department of the Treasury and its Director with regards to cybersecurity incidents.

H.R. 4476: Financial Transparency Act of 2019

- Sponsor: Rep. Carolyn Maloney [D-NY12]
- Cosponsors - 1 (1R)
- Prognosis - 4%
- Introduced - Sep 24, 2019

H.R. 4476 amends securities, commodities, and banking laws to make the information reported to financial regulatory agencies electronically searchable, to further enable the development of

RegTech and Artificial Intelligence applications, to put the United States on a path towards building a comprehensive Standard Business Reporting program to ultimately harmonize and reduce the private sector's regulatory compliance burden, while enhancing transparency and accountability.

H.R. 4458: Cybersecurity and Financial System Resilience Act of 2019

- Sponsor: Rep. Patrick McHenry [R-NC10]
- Cosponsors - 1 (1R)
- Prognosis - 4%
- Introduced - Sep 24, 2019

H.R. 4458 requires the Board of Governors of the Federal Reserve System to issue reports on cybersecurity with respect to the functions of the Federal Reserve System.

H.R. 4535: Commodity Futures Trading Commission Research and Development Modernization Act

- Sponsor: Rep. Austin Scott [R-GA8]
- Cosponsors - 4 (4R)
- Prognosis - 4%
- Introduced - Sep 26, 2019

H.R. 4535 modernizes the authority of the Commodity Futures Trading Commission to conduct research, development, demonstration, and information programs.

H.R. 4047: Open Banking Study Act of 2019

- Sponsor: Rep. Gregory Meeks [D-NY5]
- Cosponsors - 0
- Prognosis - 3%
- Introduced - Jul 25, 2019

H.R. 4047 requires certain Federal financial regulators to carry out an independent study of their regulated entities' processes for allowing third parties to access consumer-authorized financial data.

[H.R. 3939](#)

- Sponsor: Rep. Ted Budd [R-NC13]
- Cosponsors - 0
- Prognosis - 3%
- Introduced - Jul 24, 2019

To require the Board of Governors of the Federal Reserve System to carry out a quantitative impact study of any proposed real-time payment system under the Faster Payments Initiative before implementing such system. The study must include any cybersecurity, privacy concerns, or other risks associated with the Federal government receiving and managing new transaction-level information regarding millions of American citizens, including a threat assessment.

[H.R. 4772: CFTC Cybersecurity and Data Protection Enhancement Act](#)

- Sponsor: Rep. Rodney Davis [R-IL13]
- Cosponsors - 1 (1R)
- Prognosis - 1%
- Introduced - Oct 21, 2019

H.R. 4772 provides for the protection of proprietary information provided to the Commodity Futures Trading Commission.

[H.R. 3821](#)

- Sponsor: Rep. Patrick McHenry [R-NC10]
- Cosponsors - 0
- Prognosis - 1%
- Introduced - Jul 18, 2019

H.R. 3821 amends the Fair Credit Reporting Act to make improvements to the regulation of consumer reporting agencies and protect consumers, and for other purposes.

Homeland Security

Category Definition: Legislation impacting national security and the Department of Homeland Security.

[H.R. 769: Counterterrorism Advisory Board Act of 2019](#)

- Sponsor: Rep. John Katko [R-NY24]
- Cosponsors - 5 (3D,2R)
- Prognosis - 77%
- Introduced - Jan 24, 2019
- Passed House (Senate next) - Jan 29, 2019

H.R. 769 amends the Homeland Security Act of 2002 to establish in the Department of Homeland Security a board to coordinate and integrate departmental intelligence, activities, and policy related to counterterrorism, and for other purposes. The Cybersecurity and Infrastructure Security Agency is appointed by the Secretary of DHS as member on the coordinating board.

[H.R. 424: Department of Homeland Security Clearance Management and Administration Act](#)

- Sponsor: Rep. Bennie Thompson [D-MS2]
- Cosponsors - 1 (1R)
- Prognosis - 70%
- Introduced - Jan 10, 2019
- Passed House (Senate next) - Jan 29, 2019

H.R. 424 amends the Homeland Security Act of 2002 to improve the management and administration of the security clearance processes throughout the Department of Homeland Security, and for other purposes.

[H.R. 2589: Unifying DHS Intelligence Enterprise Act](#)

- Sponsor: Rep. Mark Green [R-TN7]
- Cosponsors - 0
- Prognosis - 4%
- Introduced - May 8, 2019
- Passed House (Senate next) - Sep 26, 2019

H.R. 2589 amends the Homeland Security Act of 2002 to establish a homeland intelligence doctrine for the Department of Homeland Security, and for other purposes.

H.R. 2590: DHS Overseas Personnel Enhancement Act of 2019

- Sponsor: Rep. John Katko [R-NY24]
- Cosponsors - 1 (1D)
- Prognosis - 59%
- Introduced - May 8, 2019
- Passed House (Senate next) - Jun 10, 2019

H.R. 2590 requires a Department of Homeland Security overseas personnel enhancement plan that includes practices to guard against counter-espionage and counter-intelligence threats, including cyber threats, associated with Department personnel.

S. 1798: Department of Defense Principal Cyber Advisors Act of 2019

- Sponsor: Sen. Mike Rounds [R-SD]
- Cosponsors - 1 (1D)
- Prognosis - 31%
- Introduced - Jun 12, 2019

S. 1798 improve cyber governance structures in the Department of Defense and to require designation of principal advisors on military cyber force matters.

H.R. 2609: DHS Acquisition Review Board Act of 2019

- Sponsor: Rep. Dan Crenshaw [R-TX2]
- Cosponsors - 1 (1D)
- Prognosis - 29%
- Introduced - May 9, 2019
- Passed House (Senate next) - Jun 11, 2019

H.R. 2609 amends the Homeland Security Act of 2002 to establish the Acquisition Review Board in the Department of Homeland Security, and for other purposes.

H.R. 1975: Cybersecurity Advisory Committee Authorization Act of 2019

- Sponsor: Rep. John Katko [R-NY24]
- Cosponsors - 30 (21D,9R)
- Prognosis - 4%
- Introduced - Mar 28, 2019
- Ordered Reported - Sep 25, 2019

H.R. 1975 establishes a Chief Information Security Officer Advisory Committee in the Cybersecurity and Infrastructure Security Agency of the Department of Homeland Security.

H.R. 3413: DHS Acquisition Reform Act of 2019

- Sponsor: Rep. Dan Crenshaw [R-TX2]
- Cosponsors – 2(2R)
- Prognosis - 47%
- Introduced - Jun 21, 2019
- Ordered Reported - Jul 17, 2019

H.R. 3413 amends the Homeland Security Act of 2002 to provide for certain acquisition authorities for the Under Secretary of Management of the Department of Homeland Security. The bill requires The Under Secretary for Science and Technology to oversee complete operational testing and evaluation of technologies and systems to be acquired or developed by major acquisition programs to assess operational effectiveness, suitability, and cybersecurity.

S. 1869: Secure Federal Leases from Espionage And Suspicious Entanglements Act

- Sponsor: Sen. Gary Peters [D-MI]
- Cosponsors - 1 (1R)
- Prognosis - 24%
- Introduced - Jun 13, 2019
- Ordered Reported - Jun 19, 2019

Based on a January 2017 report by the Government Accountability Office that examined the risks of foreign ownership of Government-leased real estate, "leasing space in foreign-owned buildings could present security risks such as espionage and unauthorized cyber and physical access." In response, S. 1869 requires the disclosure of ownership of high-security space leased to accommodate a Federal agency.

H.R. 1158: DHS Cyber Incident Response Teams Act of 2019

- Sponsor: Rep. Michael McCaul [R-TX10]
- Cosponsors - 4 (2R,2D)
- Prognosis - 29%
- Introduced - Feb 13, 2019
- Passed Senate with Changes (back to House) - Sep 24, 2019

H.R. 1158 authorizes cyber incident response teams at the Department of Homeland Security, and for other purposes. DHS will maintain cyber hunt and incident response teams for the purpose of providing assistance to asset owners and operators in the prevention, identification, mitigation, and remediation of cyber incidents. It also amends Section 2209 of the Homeland Security Act of 2002 (6 U.S.C. 148) to allow the Secretary to include cybersecurity specialists from the public and private sectors on the on cyber hunt and incident response teams.

H.R. 3106: Domestic and International Terrorism DATA Act

- Sponsor: Rep. Bennie Thompson [D-MS2]
- Cosponsors - 58 (58D)
- Prognosis - 15%
- Introduced - Jun 5, 2019
- Passed House (Senate next) - Sep 26, 2019

H.R. 3106 requires a joint domestic terrorism report, establishes within the Department of Homeland Security a National Center for the Study of Domestic Terrorism, and authorizes research within the Department of Homeland Security on current trends in domestic terrorism.

H.R. 3710: Cybersecurity Vulnerability Remediation Act

- Sponsor: Rep. Sheila Jackson Lee [D-TX18]
- Cosponsors - 2 (2D)
- Prognosis - 15%
- Introduced - Jul 11, 2019
- Passed House (Senate next) - Sep 26, 2019

H.R. 3710 amends the Homeland Security Act of 2002 to provide for the remediation of cybersecurity vulnerabilities.

H.R. 4782: National Commission on Online Platforms and Homeland Security Act

- Sponsor: Rep. Bennie Thompson [D-MS2]
- Cosponsors - 14 (13D,1R)
- Prognosis - 14%
- Introduced - Oct 22, 2019

H.R. 4782 establishes a national commission on online platforms and homeland security, which shall:

- Identify, examine, and report on the ways, if any, that online platforms have been utilized in furtherance of acts of targeted violence, including domestic terrorism and international terrorism, or covert foreign state influence campaigns;
 - Identify, examine, and report on the ways, if any, that free speech, privacy, civil rights, and civil liberties are impacted by any utilization of online platforms in furtherance of acts of targeted violence, including domestic terrorism and international terrorism, or covert foreign state influence campaigns; and any policies, procedures, or activities undertaken by owners and operators of online platforms to prevent or limit the utilization of online platforms in furtherance of acts of targeted violence, including domestic terrorism and international terrorism, or covert foreign state influence campaigns;
 - Develop recommendations, as appropriate, for how online platforms could address the utilization identified pursuant to paragraph (1), if any, in ways that are transparent and accountable, to promote free speech and innovation on the internet, preserve individual privacy, civil rights, and civil liberties, and uphold the principles of the Constitution, in accordance with relevant existing statutes, including section 552a of title 5, United States Code (commonly referred to as the Privacy Act of 1974), and take into account current or anticipated trends and technological developments, such as advancements in artificial intelligence.
-

H.R. 2925: Protecting Data at the Border Act

- Sponsor: Rep. Ted Lieu [D-CA33]
- Cosponsors - 10 (10D)
- Prognosis - 12%
- Introduced - May 22, 2019

S. 1606: Protecting Data at the Border Act

- Sponsor: Sen. Ron Wyden [D-OR]
- Cosponsors - 3 (2D,1R)

- Prognosis - 5%
- Introduced - May 22, 2019

H.R. 2925 and S. 1606 ensure the digital contents of electronic equipment and online accounts belonging to or in the possession of United States persons entering or exiting the United States are adequately protected at the border.

S. 411: Counterterrorism Advisory Board Act of 2019

- Sponsor: Sen. Margaret “Maggie” Hassan [D-NH]
- Cosponsors - 1 (1R)
- Prognosis - 6%
- Introduced - Feb 7, 2019
- Ordered Reported - May 15, 2019

S. 411 includes a senior representative of The Cybersecurity and Infrastructure Security Agency among members of a DHS Counterterrorism Advisory Board.

S. 1348

- Sponsor: Sen. Benjamin Sasse [R-NE]
- Cosponsors - 3 (1R,1D,1I)
- Prognosis - 6%
- Introduced - May 7, 2019

S. 1348 requires the Secretary of Defense to conduct a study on cyber-exploitation of members of the Armed Forces and their families, and for other purposes.

H.R. 3014: Accelerating Defense Innovation Act of 2019

- Sponsor: Rep. Mac Thornberry [R-TX13]
- Cosponsors - 12 (12R)
- Prognosis - 5%
- Introduced - May 23, 2019

H.R. 3014 amends title 10, United States Code, and the Small Business Act to improve innovation in defense procurement. The bill expands assistance from Small Business Innovation

Research (SBIR) and Small Business Technology Transfer (STTR) programs to include cybersecurity and technical business assistance.

H.R. 3270: Active Cyber Defense Certainty Act

- Sponsor: Rep. Tom Graves [R-GA14]
- Cosponsors - 18 (13R,5D)
- Prognosis - 5%
- Introduced - Jun 13, 2019

H.R. 3270 amends title 18, United States Code, to provide a defense to prosecution for fraud and related activity in connection with computers for persons defending against unauthorized intrusions into their computers.

S. 1799: Defense Cybersecurity Personnel Authorizations and Inventory Oversight Act of 2019

- Sponsor: Sen. Mike Rounds [R-SD]
- Cosponsors - 1 (1D)
- Prognosis - 6%
- Introduced - Jun 12, 2019

S. 1799 requires the Principal Cyber Advisor of the Department of Defense to conduct a study to determine the optimal strategy for structuring and manning elements of the Joint Force Headquarters-Cyber organizations, Joint Mission Operations Centers, and Cyber Operations-Integrated Planning Elements.

H.R. 4456: Enhancing Detection of Human Trafficking Act

- Sponsor: Rep. Tim Walberg [R-MI7]
- Cosponsors - 3 (2R,1D)
- Prognosis - 4%
- Introduced - Sep 20, 2019

H.R. 4456 directs the Secretary of Labor to train certain Department of Labor personnel how to effectively detect human trafficking on digital platforms and assist law enforcement in preventing human trafficking during the course of their primary roles and responsibilities.

H.R. 4237: Advancing Cybersecurity Diagnostics and Mitigation Act

- Sponsor: Rep. John Ratcliffe [R-TX4]
- Cosponsors - 3 (2D,1R)
- Prognosis - 3%
- Introduced - Sep 6, 2019

H.R. 4237 amends the Homeland Security Act of 2002 to authorize the Secretary of Homeland Security to establish a continuous diagnostics and mitigation program in the Cybersecurity and Infrastructure Security Agency of the Department of Homeland Security.

H.R. 4217: State and Local Cybersecurity Improvement Act

- Sponsor: Rep. John Katko [R-NY24]
- Cosponsors - 1 (1D)
- Prognosis - 3%
- Introduced - Aug 30, 2019

H.R. 4217 amends the Homeland Security Act of 2002 to develop tools to help State and local governments establish or improve cybersecurity initiatives.

H.R. 3233: National Defense Strategy Implementation Act

- Sponsor: Rep. Mike Gallagher [R-WI8]
- Cosponsors - 0
- Prognosis - 3%
- Introduced - Jun 12, 2019

H.R. 3233 supports the implementation of the National Defense Strategy for the United State. The legislation charges the Secretary of Defense shall submit to the congressional defense committees a report on the Department of Defense's operational concepts and plans to defeat China and Russia in competition and war, including on key strategically significant scenarios identified in the National Defense Strategy that include ways of addressing operational challenges related to achieving the strategic advantage against China and Russia related to nuclear, space, cyber, conventional, and unconventional means in warfighting doctrine.

S. 2318: Advancing Cybersecurity Diagnostics and Mitigation Act

- Sponsor: Sen. John Cornyn [R-TX]

- Cosponsors - 1 (1D)
- Prognosis - 3%
- Introduced - Jul 30, 2019

S. 2318 amends the Homeland Security Act of 2002 to authorize the Secretary of Homeland Security to establish a continuous diagnostics and mitigation program in the Cybersecurity and Infrastructure Security Agency of the Department of Homeland Security.

S. 2309: U.S.-Israel Cybersecurity Center of Excellence Act

- Sponsor: Sen. Jacky Rosen [D-NV]
- Cosponsors - 1 (1R)
- Prognosis - 3%
- Introduced - Jul 29, 2019

S. 2309 requires the Secretary of State to submit a report on potential benefits and impact to the United States of establishing a joint United States-Israel cybersecurity center of excellence.

H.Res. 898: Directing the Secretary of Homeland Security to transmit certain documents to the House of Representatives relating to Department of Homeland Security policies and activities relating to homeland security information produced and disseminated

- Sponsor: Rep. Bennie Thompson [D-MS2]
- Cosponsors – 0
- Prognosis -2%
- Introduced - May 16, 2018
- Ordered Reported - Jun 6, 2018

Directs the Department of Homeland Security (DHS) to transmit to the House of Representatives copies of any document, record, memo, correspondence, or other communication of DHS or any portion of any such communication, that refers or relates to the use of ZTE Corporation's cybersecurity products.

S. 3707: Public-Private Cybersecurity Cooperation Act

- Sponsor: Sen. Robert “Rob” Portman [R-OH]
- Cosponsors - 1 (1D)
- Prognosis - 2%
- Introduced - Dec 5, 2018

S. 3707 directs the Secretary of Homeland Security to establish a vulnerability disclosure policy for Department of Homeland Security internet websites, and for other purposes.

H.R. 57: CAPITALS Act

- Sponsor: Rep. Sheila Jackson Lee [D-TX18]
- Cosponsors - 0
- Prognosis - 2%
- Introduced - Jan 3, 2019

H.R. 57 requires the Secretary of Homeland Security to conduct a study on the feasibility of establishing a Civilian Cyber Defense National Resource in the Department of Homeland Security.

H.R. 43: Cyber Vulnerability Disclosure Reporting Act

- Sponsor: Rep. Sheila Jackson Lee [D-TX18]
- Cosponsors - 0
- Prognosis - 2%
- Introduced - Jan 3, 2019

H.R. 43 requires the Secretary of Homeland Security to submit a report on cyber vulnerability disclosures, no later than 240 days after the date of the enactment of the act. The report will contain a description of the policies and procedures developed for coordinating cyber vulnerability disclosures, in accordance with section 2209(m) of the Homeland Security Act of 2002.

H.R. 838: Threat Assessment, Prevention, and Safety Act of 2019

- Sponsor: Rep. Brian Babin [R-TX36]
- Cosponsors - 4 (2R,2D)
- Prognosis - 2%
- Introduced - Jan 29, 2019

H.R. 838 suggests a national strategy to prevent targeted violence through behavioral threat assessment and management, and for other purposes.

H.R. 480: Homeland Threat Assessment Act

- Sponsor: Rep. Mike Rogers [R-AL3]
- Cosponsors - 1 (1D)
- Prognosis - 2%
- Introduced - Jan 10, 2019

Requires the Secretary of the Department of Homeland Security to conduct an assessment of threats, including cyber threats, to the homeland, including to critical infrastructure and Federal civilian networks.

H.R. 504: DHS Field Engagement Accountability Act

- Sponsor: Rep. Don Bacon [R-NE2]
- Cosponsors - 6 (3R,3D)
- Prognosis - 2%
- Introduced - Jan 11, 2019

H.R. 504 amends the Homeland Security Act of 2002 to require the Department of Homeland Security to develop an engagement strategy with information sharing and fusion centers.

S. 315: DHS Cyber Hunt and Incident Response Teams Act of 2019

- Sponsor: Sen. Margaret “Maggie” Hassan [D-NH]
- Cosponsors - 2 (1D,1R)
- Prognosis - 2%
- Introduced - Jan 31, 2019
- Ordered Reported - Feb 13, 2019

S. 315 amends the Homeland Security Act of 2002 to authorize cyber hunt and incident response teams at the Department of Homeland Security, for the purpose of leading Federal asset response activities and providing timely technical assistance to Federal and non-Federal entities, including across all critical infrastructure sectors, regarding actual or potential security incidents, and for other purposes.

H.R. 3840: National Defense Cybersecurity Consortia Act of 2019

- Sponsor: Rep. Dusty Johnson [R-SD0]
- Cosponsors - 0

- Prognosis - 1%
- Introduced - Jul 18, 2019

S. 2234: National Defense Cybersecurity Consortia Act of 2019

- Sponsor: Sen. Mike Rounds [R-SD]
- Cosponsors - 1 (1D)
- Prognosis - 1%
- Introduced - Jul 23, 2019

H.R. 3840 and S. 2234 establish s a consortium of universities to advise the Secretary of Defense on cybersecurity matters.

H.R. 3093: CODER Act of 2019

- Sponsor: Rep. Elissa Slotkin [D-MI8]
- Cosponsors - 3 (2R,1D)
- Introduced - Jun 4, 2019

H.R. 3093 establishes acquisition pathways for software applications and software upgrades and software development and software acquisition training and management programs for the Department of Defense.

H.R. 1062: [Unnamed Cybersecurity Consortia Bill]

- Sponsor: Rep. Joaquin Castro [D-TX20]
- Cosponsors - 6 (3D,3R)
- Introduced - Feb 7, 2019

H.R. 1062 authorizes the Secretary of Homeland Security to work with cybersecurity consortia for training, and for other purposes.

S. 333: [Unnamed Cybersecurity Consortia Bill]

- Sponsor: Sen. John Cornyn [R-TX]
- Cosponsors - 2 (1R,1D)
- Introduced - Feb 5, 2019
- Ordered Reported - Feb 13, 2019

S. 333 authorizes the Secretary of Homeland Security to work with cybersecurity consortia for training, and for other purposes.

S. 265: Threat Assessment, Prevention, and Safety Act of 2019

- Sponsor: Sen. Marco Rubio [R-FL]
- Cosponsors - 2 (1R,1D)
- Prognosis - 7%
- Introduced - Jan 29, 2019

S. 265 suggests a national strategy to prevent targeted violence through behavioral threat assessment and management, and for other purposes.

Privacy

Category Definition: Legislation protecting consumer data, PII, PHI, and privacy rights.

S. 151: TRACED Act

- Sponsor: Sen. John Thune [R-SD]
- Cosponsors - 84 (42R,40D,2I)
- Prognosis - 81%
- Introduced - Jan 16, 2019
- Passed Senate (House next) - May 23, 2019

S. 151 deters criminal robocall violations and improve enforcement of section 227(b) of the Communications Act of 1934, in part by requiring the Federal Communications Commission to require a provider of voice service to implement the STIR/SHAKEN authentication framework in the internet protocol networks of voice service providers.

S. 1084: Deceptive Experiences To Online Users Reduction Act

- Sponsor: Sen. Mark Warner [D-VA]
- Cosponsors - 1 (1R)
- Prognosis - 24%
- Introduced - Apr 9, 2019

S. 1084 prohibit the usage of exploitative and deceptive practices by large online operators and to promote consumer welfare in the use of behavioral research by such providers.

H.R. 4978: Online Privacy Act of 2019

- Sponsor: Rep. Anna Eshoo [D-CA18]
- Cosponsors - 2 (2D)
- Prognosis - 6%
- Introduced - Nov 5, 2019

H.R. 4978 provides for individual rights relating to privacy of personal information, to establish privacy and security requirements for covered entities relating to personal information, and to establish an agency to be known as the United States Digital Privacy Agency to enforce such rights and requirements.

H.R. 2545: Data Breach Prevention and Compensation Act of 2019

- Sponsor: Rep. Elijah Cummings [D-MD7]
- Cosponsors - 1 (1D)
- Prognosis - 6%
- Introduced - May 7, 2019

S. 1336: Data Breach Prevention and Compensation Act of 2019

- Sponsor: Sen. Elizabeth Warren [D-MA]
- Cosponsors - 1 (1D)
- Prognosis - 6%
- Introduced - May 7, 2019

H.R. 2545 and S. 1336 create an Office of Cybersecurity at the Federal Trade Commission for supervision of data security at consumer reporting agencies, to require the promulgation of regulations establishing standards for effective cybersecurity at consumer reporting agencies, to impose penalties on credit reporting agencies for cybersecurity breaches that put sensitive consumer data at risk, and for other purposes.

H.R. 2521: Moving Americans Privacy Protection Act

- Sponsor: Rep. Charlie Crist [D-FL13]
- Cosponsors - 1 (1R)
- Prognosis - 4%
- Introduced - May 3, 2019

S. 1302: Moving Americans Privacy Protection Act

- Sponsor: Sen. Steve Daines [R-MT]
- Cosponsors - 4 (3R,1D)
- Prognosis - 7%
- Introduced - May 2, 2019

H.R. 2521 and S. 1302 amend the Tariff Act of 1930 to protect personally identifiable information.

S. 2532: Protecting Privacy in Our Homes Act

- Sponsor: Sen. Cory Gardner [R-CO]
- Cosponsors - 0
- Prognosis - 4%

- Introduced - Sep 24, 2019

S. 2532 requires the Federal Trade Commission to promulgate regulations requiring manufacturers to give notice to consumers as to whether internet-connected devices contain cameras or microphones.

H.R. 3900

- Sponsor: Rep. Bobby Rush [D-IL1]
- Cosponsors - 0
- Prognosis - 3%
- Introduced - Jul 23, 2019

H.R. 3900 amends the Children's Online Privacy Protection Act of 1998 to strengthen protections relating to the online collection, use, and disclosure of personal information of children and minors, and for other purposes.

S. 583: DATA Privacy Act

- Sponsor: Sen. Catherine Cortez Masto [D-NV]
- Cosponsors - 0
- Prognosis - 3%
- Introduced - Feb 27, 2019

S. 583 aims to provide for digital accountability and transparency in the data collection, transmission, disclosure, and notification processes as well as consent, notice and choice, and other consumer protections.

S. 3655: TRACED Act

- Sponsor: Sen. John Thune [R-SD]
- Introduced - Nov 15, 2018
- Cosponsors - 3 (2R,1D)
- Prognosis - 2%

The Traced Act deters criminal robocall violations and improves the enforcement of section 227(b) of the Communications Act of 1934 to protect consumer privacy and security.

S. 189: A bill to protect the privacy of users of social media and other online platforms.

- Sponsor: Sen. Amy Klobuchar [D-MN]
- Cosponsors - 1 (1R)
- Prognosis - 2%
- Introduced - Jan 17, 2019

S. 189 aims to limit how social media abuse users' online data and to protect data in other ways.

S. 142: A bill to impose privacy requirements on providers of internet services similar to the requirements imposed on Federal agencies under the Privacy Act of 1974.

- Sponsor: Sen. Marco Rubio [R-FL]
- Cosponsors – 0
- Prognosis - 2%
- Introduced - Jan 16, 2019

S. 142 restricts how ISPs can commercialize consumers' metadata and otherwise share sensitive PII.

S. 1116: Unnamed Internet Users Privacy Bill

- Sponsor: Sen. Marsha Blackburn [R-TN]
- Cosponsors - 0
- Prognosis - 2%
- Introduced - Apr 10, 2019

S. 1116 requires providers of broadband internet access service and edge services to clearly and conspicuously notify users of the privacy policies of those providers, to give users opt-in or opt-out approval rights with respect to the use of, disclosure of, and access to user information collected by those providers based on the level of sensitivity of the information, and for other purposes.

S. 1214: [Unnamed Privacy Bill]

- Sponsor: Sen. Edward "Ed" Markey [D-MA]
- Cosponsors - 0

- Introduced - Apr 11, 2019

S. 1214 establishes and protects individual and collective privacy rights, and for other purposes.

H.R. 1039: Encouraging edge providers, broadband providers, and data brokers to include certain data protections in their policies.

- Sponsor: Rep. Ted Poe [R-TX2]
- Cosponsors – 0
- Introduced - Jul 31, 2018

In order to restore public confidence in the public and private sectors and to begin to regain privacy, the bill requires that data custodians have a legal basis for processing the data, allow for opt-in, design minimal collection and secure systems, protects children’s data, oversee third-party access and use, respect the rights of individuals, and other requirements.

S. 2637: Mind Your Own Business Act of 2019

- Sponsor: Sen. Ron Wyden [D-OR]
- Cosponsors - 0
- Prognosis - 1%
- Introduced - Oct 17, 2019

S. 2637 amends the Federal Trade Commission Act to establish requirements and responsibilities for entities that use, store, or share personal information, to protect personal information.

S. 748: [Unnamed COPPA Bill]

- Sponsor: Sen. Edward “Ed” Markey [D-MA]
- Cosponsors - 1 (1R)
- Introduced - Mar 12, 2019

S. 748 amends the Children’s Online Privacy Protection Act of 1998 to strengthen protections relating to the online collection, use, and disclosure of personal information of children and minors, and for other purposes.

S. 783: [Unnamed COPPA Bill]

- Sponsor: Sen. Richard Durbin [D-IL]
- Cosponsors - 4 (4D)

- Introduced - Mar 13, 2019

S. 783 amends the Children's Online Privacy Protection Act of 1998 to give Americans the option to delete personal information collected by internet operators as a result of the person's internet activity prior to age 13.

S. 806: [Unnamed Data Protection Bill]

- Sponsor: Sen. John Kennedy [R-LA]
- Cosponsors - 0
- Introduced - Mar 14, 2019

S. 806 aims bill to prohibit the collection of data or information generated on the internet.

Public Health

Category Definition: Legislation securing public health systems from digital exploitation.

[S. 1379: Pandemic and All-Hazards Preparedness and Advancing Innovation Act of 2019](#)

- Sponsor: Sen. Richard Burr [R-NC]
- Cosponsors - 3 (2D,1R)
- Introduced - May 8, 2019
- Enacted — Signed by the President - Jun 24, 2019

[H.R. 269: Pandemic and All-Hazards Preparedness and Advancing Innovation Act of 2019](#)

- Sponsor: Rep. Anna Eshoo [D-CA18]
- Cosponsors - 7 (4R,3D)
- Prognosis - 2%
- Introduced - Jan 8, 2019
- Passed House (Senate next) - Jan 8, 2019

S. 1379 and H.R. 269 require the Secretary of Health and Human Services to prepare and submit to the relevant committees of Congress a strategy for public health preparedness and response to address cybersecurity threats that present a threat to national health security within 18 months of the enactment of the Act.

[H.R. 1367: CAMRA Act](#)

- Sponsor: Rep. Jamie Raskin [D-MD8]
- Cosponsors - 1 (1R)
- Prognosis - 46%
- Introduced - Feb 26, 2019

[S. 558: CAMRA Act](#)

- Sponsor: Sen. Edward “Ed” Markey [D-MA]
- Cosponsors - 5 (3R,2D)
- Prognosis - 29%
- Introduced - Feb 26, 2019

H.R. 1367 and S. 558 amend the Public Health Service Act to authorize a program within the National Institutes of Health focused on studying the health and developmental effects of technology on infants, children, and adolescents.

H.R. 507: Put Trafficking Victims First Act of 2019

- Sponsor: Rep. Karen Bass [D-CA37]
- Cosponsors - 7 (4D,3R)
- Prognosis - 27%
- Introduced - Jan 11, 2019
- Passed House (Senate next) - Feb 7, 2019

H.R. 507 directs the Attorney General to study issues relating to human trafficking, which may include investigation into dark web markets and forums.

H.R. 542: Supporting Research and Development for First Responders Act

- Sponsor: Rep. Kathleen Rice [D-NY4]
- Cosponsors -1 (1R)
- Prognosis - 21%
- Introduced - Jan 14, 2019
- Passed House (Senate next) - Jun 10, 2019

H.R. 542 amends the Homeland Security Act of 2002 to establish the National Urban Security Technology Laboratory, and tasks them with conducting tests, evaluations, and assessments of current and emerging technologies, including cybersecurity of technologies used by emergency response providers that connect to the internet.

H.R. 1390: Mobile Health Record Act of 2019

- Sponsor: Rep. Susan Brooks [R-IN5]
- Cosponsors - 1 (1D)
- Prognosis - 6%
- Introduced - Feb 27, 2019

H.R. 1390 amends titles XVIII and XIX of the Social Security Act to promote the ability of individuals entitled to benefits under part A or enrolled under part B of the Medicare program and individuals enrolled under a State plan under the Medicaid program to access their

personal medical claim data, including their providers, prescriptions, tests, and diagnoses, through a mobile health record application of the individual's choosing, and for other purposes.

S. 2689: No Biometric Barriers to Housing Act of 2019

- Sponsor: Sen. Cory Booker [D-NJ]
- Cosponsors - 0
- Prognosis - 1%
- Introduced - Oct 23, 2019

S. 2689 prohibits the use of biometric recognition technology and biometric analytics in certain federally assisted rental dwelling units.

H.R. 2155: Genetic Information Privacy Act of 2019

- Sponsor: Rep. Bobby Rush [D-IL1]
- Cosponsors - 0
- Prognosis - 2%
- Introduced - Apr 9, 2019

H.R. 2155 requires genetic testing services to o implement policies and procedures to secure the personally identifiable information of customers of the service against unauthorized access and it prohibits them from sharing client information with third parties.

Response to Foreign Compromise

Category Definition: Legislation responding to the actions of foreign adversaries and nation states with sanctions, protections, and other mechanisms.

H.R. 4634: Terrorism Risk Insurance Program Reauthorization Act of 2019

- Sponsor: Rep. Maxine Waters [D-CA43]
- Cosponsors - 86 (66D,20R)
- Prognosis - 73%
- Introduced - Oct 11, 2019
- Passed House (Senate next) - Nov 18, 2019

H.R. 4634 reauthorizes the Terrorism Risk Insurance Act of 2002 and it tasks the Comptroller General of the United States to conduct a study and report to the Committee on Financial Services of the House of Representatives and the Committee on Banking, Housing, and Urban Affairs of the Senate, that will analyze and address—

- Overall vulnerabilities and potential costs of cyber-attacks to the United States public and private infrastructure that could result in physical or digital damage;
- Whether State-defined cyber liability under a property and casualty line of insurance is adequate coverage for an act of cyber terrorism;
- Whether such risks can be adequately priced by the private market; and
- Whether the current risk-share system under the Terrorism Risk Insurance Act of 2002 is appropriate for a cyber terrorism event; and

And set forth recommendations on how the Congress could amend such Act to meet the next generation of cyber threats.

H.R. 739: Cyber Diplomacy Act of 2019

- Sponsor: Rep. Michael McCaul [R-TX10]
- Cosponsors - 27 (16R,11D)
- Prognosis - 68%
- Introduced - Jan 24, 2019
- Ordered Reported - Mar 7, 2019

H.R. 739 proposes to support United States international cyber diplomacy by setting United States International Cyberspace Policy, issuing Department of State responsibilities, setting international cyberspace strategy, and for other purposes.

[H.R. 598: Georgia Support Act](#)

- Sponsor: Rep. Gerald Connolly [D-VA11]
- Cosponsors - 25 (15R,10D)
- Prognosis - 51%
- Introduced - Jan 16, 2019
- Ordered Reported - May 22, 2019

H.R. 598 supports the independence, sovereignty, and territorial integrity of Georgia. The bill includes provisions to assist in the improvement of Georgian cybersecurity infrastructure and to assist in efforts to improve cyber resiliency and information sharing initiatives.

[H.R. 598: Georgia Support Act](#)

- Sponsor: Rep. Gerald Connolly [D-VA11]
- Cosponsors - 30 (19R,11D)
- Prognosis - 46%
- Introduced - Jan 16, 2019
- Passed House (Senate next) - Oct 22, 2019

H.R. 598 supports the independence, sovereignty, and territorial integrity of Georgia. The bill includes provisions to assist in the improvement of Georgian cybersecurity infrastructure and to assist in efforts to improve cyber resiliency and information sharing initiatives.

[S. 1539: Protecting Faith-Based and Nonprofit Organizations From Terrorism Act of 2019](#)

- Sponsor: Sen. Robert “Rob” Portman [R-OH]
- Cosponsors - 12 (9D,3R)
- Prognosis - 23%
- Introduced - May 16, 2019
- Ordered Reported - Jun 19, 2019

S. 1539 would create a new program within the Department of Homeland Security to provide grants for security to nonprofit institutions, such as religious buildings and it appropriate \$75 million to the cause for each of the next five years. The bill says the funds would be available for target hardening, security training and related activities such as cyber security resilience.

[H.R. 1632: Southeast Asia Strategy Act](#)

- Sponsor: Rep. Ann Wagner [R-MO2]
- Cosponsors - 8 (5R,3D)
- Prognosis - 20%
- Introduced - Mar 7, 2019
- Ordered Reported - Jun 20, 2019

H.R. 1632 requires the United States to develop a strategy for engagement with Southeast Asia and the Association of Southeast Asian Nations (ASEAN) that includes an assessment conducted by the Secretary of State, in consultation with the Secretary of Commerce and the Secretary of Defense, of ongoing and planned efforts to promote and engage with Southeast Asian countries on human rights and democracy, to strengthen the rule of law, civil society, and transparent governance, and to protect the integrity of elections and personal data from cyber threats.

[H.R. 2476: Securing American Nonprofit Organizations Against Terrorism Act of 2019](#)

- Sponsor: Rep. Bennie Thompson [D-MS2]
- Cosponsors - 104 (86D,18R)
- Prognosis - 15%
- Introduced - May 2, 2019
- Passed House (Senate next) - Jun 10, 2019

H.R. 2476 amends the Homeland Security Act of 2002 to provide funding to secure nonprofit facilities from terrorist attacks, and for other purposes. Nonprofits that receive a grant may allocate resources to hardening cyber and physical defenses, raising personnel's awareness of threats, and otherwise increasing the cybersecurity resiliency of their assets.

[S. 987: U.S.-China Economic and Security Review Act of 2019](#)

- Sponsor: Sen. Chris Coons [D-DE]
- Cosponsors - 2 (1D,1R)
- Prognosis - 6%
- Introduced - Apr 2, 2019

S. 987 directs the Chief Information Officers Council to submit to Congress a report on supply chain vulnerabilities related to the People's Republic of China that includes an assessment of the existing procurement and security policies and guidance of each Federal agency with respect to cybersecurity, operations security, physical security, information security, and data

security that may affect information and communications technology, fifth generation mobile networks (commonly known as "5G networks"), the Internet of Things, and areas where existing policies and guidance can be updated to address vulnerabilities with respect to supply chain security, cybersecurity, operations security, physical security, information security, and data security.

H.R. 2123: United States-India Enhanced Cooperation Act of 2019

- Sponsor: Rep. Joe Wilson [R-SC2]
- Cosponsors - 5 (3D,2R)
- Prognosis - 6%
- Introduced - Apr 8, 2019

H.R. 2123 provides actions to advance the United States-India strategic relationship. One provision calls for collaboration with the Government of India in developing mutually agreeable mechanisms to verify the security of defense articles, defense services, and related technology, such as appropriate cyber security and end-use monitoring arrangements, consistent with United States export control laws and policy.

H.R. 704: Fair Trade with China Enforcement Act

- Sponsor: Rep. Michael Conaway [R-TX11]
- Cosponsors - 2 (1R,1D)
- Prognosis - 6%
- Introduced - Jan 22, 2019

H.R. 704 safeguards certain technology and intellectual property in the United States from export to or influence by the People's Republic of China and to protect United States industry from unfair competition by the People's Republic of China, and for other purposes. The bill details China's cyberwarfare activity and recommends prohibiting the use of products manufactured by companies with close ties to the PLA, including Huawei, Datang, and Zhongxing.

H.R. 3047: U.S- Ukraine Security Cooperation Enhancement Act

- Sponsor: Rep. Michael McCaul [R-TX10]
- Cosponsors - 6 (4R,2D)

- Prognosis - 5%
- Introduced - May 30, 2019

H.R. 3047 provides support to Ukraine to defend its independence, sovereignty, and territorial integrity against cyberattacks, foreign influence operations, and kinetic incursions.

H.R. 2565: U.S.-China Economic and Security Review Act of 2019

- Sponsor: Rep. Brad Sherman [D-CA30]
- Cosponsors - 2 (2R)
- Prognosis - 4%
- Introduced - May 7, 2019

Section 2 of H.R. 2565 calls for an annual report on supply chain vulnerabilities related to the People's Republic of China with regards to agencies, Internet of Things devices, 5G infrastructure, and other critical infrastructure supply chains.

H.R. 2488: U.S.-Israel Cybersecurity Center of Excellence Act

- Sponsor: Rep. David Cicilline [D-RI1]
- Cosponsors - 4 (3D,1R)
- Prognosis - 4%
- Introduced - May 2, 2019

H.R. 2488 requires the Secretary of State to submit a report on potential benefits and impact to the United States of establishing a joint United States-Israel cybersecurity center of excellence.

S. 2050: LEED Act

- Sponsor: Sen. Cory Gardner [R-CO]
- Cosponsors - 1 (1D)
- Prognosis - 4%
- Introduced - Jun 28, 2019

S. 2050 imposes global economic and political pressure to support diplomatic denuclearization of the Korean Peninsula and it tasks the Director of National Intelligence, in consultation with the Secretary of State and the Secretary of Defense, and, as appropriate, the Secretary of the Treasury and the Administrator of the Drug Enforcement Administration, shall brief the appropriate congressional committees on an assessment of the cyber capabilities of the

Democratic People's Republic of Korea, including its efforts to conduct cyber and corporate espionage, to commit illicit commercial and financial activities through international cyber systems, and to suppress opposition to and spread propaganda in support of its nuclear and ballistic missile activities; and any foreign entities that may be enhancing the capacity of the Democratic People's Republic of Korea to conduct malicious cyber-enabled activities, including by providing internet infrastructure.

H.R. 2949: North Korea Policy Oversight Act of 2019

- Sponsor: Rep. Eliot Engel [D-NY16]
- Cosponsors - 1 (1R)
- Prognosis - 3%
- Introduced - May 23, 2019

S. 1658: North Korea Policy Oversight Act of 2019

- Sponsor: Sen. Robert "Bob" Menendez [D-NJ]
- Cosponsors - 2 (1D,1R)
- Prognosis - 5%
- Introduced - May 23, 2019

H.R. 2949 and S. 1658 provide for oversight of North Korea policy and support United States efforts to confront emerging or asymmetric challenges, including in the cyber and space domains.

H.R. 4209: Countering Russian Influence Through Interagency Coordination And Leadership Act

- Sponsor: Rep. Eliot Engel [D-NY16]
- Cosponsors - 0
- Prognosis - 3%
- Introduced - Aug 27, 2019

H.R. 4209 enhances the national interest and security of the United States and its European allies and partners by countering malign Russian physical efforts, influence operations, and cyber campaigns.

H.R. 4189: Homeland and Cyber Threat Act

- Sponsor: Rep. Jack Bergman [R-MI1]
- Cosponsors - 1 (1D)

- Prognosis - 3%
- Introduced - Aug 16, 2019

H.R. 4189 amends title 28, United States Code, to allow claims against foreign states for unlawful computer intrusion.

H.R. 2913: Eastern Mediterranean Security and Energy Partnership Act of 2019

- Sponsor: Rep. Theodore Deutch [D-FL22]
- Cosponsors - 16 (13D,3R)
- Prognosis - 3%
- Introduced - May 22, 2019

H.R. 2913 promotes security and energy partnerships in the Eastern Mediterranean. Provisions state that the United States Government will provide training to Cypriot officials in areas such as cybersecurity, counterterrorism, and explosive ordnance disposal and stockpile management to counter Russian interference in the region, reduce digital money laundering through regional institutions, and disrupt digital influence operations.

S. 602: Cyber Deterrence and Response Act of 2019

- Sponsor: Sen. Cory Gardner [R-CO]
- Cosponsors - 1 (1D)
- Prognosis - 3%
- Introduced - Feb 28, 2019

S.602 addresses state-sponsored cyber activities against the United States from North Korea, Russia, China, Iran, and other nations, and for other purposes such as the designation of critical cyber threat actors, the communication of threat information with Congress, and the issuance of retaliatory sanctions.

H.R. 3071: Stop Higher Education Espionage and Theft Act of 2019

- Sponsor: Rep. Francis Rooney [R-FL19]
- Cosponsors - 6 (6R)
- Introduced - Jun 3, 2019

S. 1701: Stop Higher Education Espionage and Theft Act of 2019

- Sponsor: Sen. Ted Cruz [R-TX]

- Cosponsors - 0
- Prognosis - 2%
- Introduced - Jun 3, 2019

H.R. 3071 and S. 1701 address concerns of foreign threats, including APTs and other cyber threat actors, which target higher education institutions in the United States.

H.R. 4084: Otto Warmbier North Korea Nuclear Sanctions Act of 2019

- Sponsor: Rep. Garland Barr [R-KY6]
- Cosponsors - 1 (1R)
- Introduced - Jul 26, 2019

H.R. 4084 imposes sanctions with respect to the Democratic People's Republic of Korea in part for undermining U.S. cybersecurity.

S.Res. 67

- Sponsor: Sen. Robert Menendez [D-NJ]
- Cosponsors - 3 (2D,1R)
- Introduced - Feb 12, 2019
- Agreed To (Simple Resolution) - Apr 10, 2019

S. Res 67 expresses the sense of the House of Representatives on the importance and vitality of the United States alliances with Japan and the Republic of Korea, and our trilateral cooperation in the pursuit of shared interests that include developing and implementing a strategy to deepen the trilateral diplomatic and security cooperation in cyberspace between the United States, Japan, and the Republic of Korea.

S.Res. 140:

- Sponsor: Sen. Cory Gardner [R-CO]
- Cosponsors - 1 (1D)
- Introduced - Apr 3, 2019

S. Res. 140 urges Congress to establish a Cyber League of Indo-Pacific States to address cyber threats. It warns against the rise of cybercrime and its impact on large and small businesses.

H.Res. 286:

- Sponsor: Rep. Gerald Connolly [D-VA11]
- Cosponsors - 1 (1R)
- Introduced - Apr 3, 2019

H. Res. 286 expresses the sense of the House of Representatives that the United States should remain committed to the North Atlantic Treaty Organization. It details NATO's commitment to confronting emerging threats such as terrorism, hybrid warfare, instability caused by failed states, cyber-attacks, piracy, and threats to global energy security.

H.Res. 291:

- Sponsor: Rep. Lois Frankel [D-FL21]
- Cosponsors - 47 (47D)
- Introduced - Apr 4, 2019

H. Res. 291 recognizes North Atlantic Treaty Organization's (NATO) contributions to United States national security.

H.Res. 324:

- Sponsor: Rep. Ted Lieu [D-CA33]
- Cosponsors - 1 (1R)
- Introduced - Apr 18, 2019

H. Res. 324 recognizes the importance of the United States-Israel relationship with regard to economics, conservation, and cybersecurity and it encourages new areas of cooperation in science and technology.

H.Res. 127

- Sponsor: Rep. Eliot Engel [D-NY16]
- Cosponsors - 3 (2R,1D)
- Introduced - Feb 13, 2019

H. Res 127 expresses the sense of the House of Representatives on the importance and vitality of the United States alliances with Japan and the Republic of Korea, and our trilateral

cooperation in the pursuit of shared interests that include developing and implementing a strategy to deepen the trilateral diplomatic and security cooperation in cyberspace between the United States, Japan, and the Republic of Korea.

H.R. 1493 Cyber Deterrence and Response Act of 2019

- Sponsor: Rep. Ted Yoho [R-FL3]
- Cosponsors - 12 (8R,4D)
- Introduced - Mar 4, 2019

H.R. 1493 addresses state-sponsored cyber activities against the United States, and is for other purposes.

S.Con.Res. 10:

- Sponsor: Sen. Cory Gardner [R-CO]
- Cosponsors - 4 (2R,2D)
- Introduced - Mar 28, 2019
- Ordered Reported - Jun 25, 2019

A concurrent resolution recognizing that Chinese telecommunications companies such as Huawei and ZTE pose serious threats to the national security of the United States and its allies.

H.R. 3611: Securing American Research From Cyber Theft Act

- Sponsor: Rep. Brian Babin [R-TX36]
- Cosponsors - 5 (5R)
- Introduced - Jul 2, 2019

H.R. 3611 provides for a pilot project for a nationwide network of secure computing enclaves for federally funded research in universities.

Technology

Category Definition: Legislation investigating new technologies, establishing research initiatives, or regulating emerging technologies.

S. 893: Secure 5G and Beyond Act of 2019

- Sponsor: Sen. John Cornyn [R-TX]
- Cosponsors - 8 (5R,3D)
- Prognosis - 46%
- Introduced - Mar 27, 2019

S. 893 requires the President to develop a strategy to ensure the security of next generation mobile telecommunications systems and infrastructure in the United States and to assist allies and strategic partners in maximizing the security of next generation mobile telecommunications systems, infrastructure, and software, and for other purposes.

H.R. 2860: Bots Research Act

- Sponsor: Rep. Mark DeSaulnier [D-CA11]
- Cosponsors - 0
- Prognosis - 32%
- Introduced - May 21, 2019

H.R. 2860 directs the Chairman of the Federal Trade Commission to establish a task force for the purpose of studying the effects of automated accounts on social media, public discourse, and elections.

H.R. 2881: Secure 5G and Beyond Act of 2019

- Sponsor: Rep. Abigail Spanberger [D-VA7]
- Cosponsors - 5 (3R,2D)
- Prognosis - 25%
- Introduced - May 21, 2019

H.R. 2881 requires the President to develop a strategy to ensure the security of next generation mobile telecommunications systems and infrastructure in the United States and to assist allies and strategic partners in maximizing the security of next generation mobile telecommunications systems, infrastructure, and software.

[S. 734: IoT Cybersecurity Improvement Act of 2019](#)

- Sponsor: Sen. Mark Warner [D-VA]
- Cosponsors - 5 (3R,2D)
- Prognosis - 24%
- Introduced - Mar 11, 2019
- Ordered Reported - Jun 19, 2019

S. 734 aims to leverage the Federal Government's procurement power to encourage increased cybersecurity for Internet of Things devices, and for other purposes.

[S. 1363: AI in Government Act of 2019](#)

- Sponsor: Sen. Brian Schatz [D-HI]
- Cosponsors - 3 (2R,1D)
- Prognosis - 18%
- Introduced - May 8, 2019
- Ordered Reported - Nov 6, 2019

S. 1363 authorizes an AI Center of Excellence within the General Services Administration.

[S. 1611: Developing Innovation and Growing the Internet of Things Act](#)

- Sponsor: Sen. Deb Fischer [R-NE]
- Cosponsors - 3 (2D,1R)
- Prognosis - 6%
- Introduced - May 22, 2019
- Ordered Reported - Jul 10, 2019

S. 1611 ensures the appropriate prioritization, spectrum planning, and interagency coordination to support the Internet of Things. The bill tasks a working group with detailing the steps that federal agencies need to take to enhance the resiliency of federal systems against cyber threats to IoT infrastructure.

[H.R. 3375: Stopping Bad Robocalls Act](#)

- Sponsor: Rep. Frank Pallone [D-NJ6]
- Cosponsors - 126 (97D,29R)
- Prognosis - 5%
- Introduced - Jun 20, 2019

H.R. 3375 amends the Communications Act of 1934 to clarify the prohibitions on making robocalls, to protect consumer privacy, to reduce the burden of robocalls networks of critical business operations, and to require informed consumer consent regarding contact and data sharing.

S. 1427: Global Leadership in Advanced Manufacturing Act of 2019

- Sponsor: Sen. Chris Coons [D-DE]
- Cosponsors - 8 (4D,4R)
- Prognosis - 5%
- Introduced - May 13, 2019
- Ordered Reported - Jul 10, 2019

S. 1427 amends the National Institute of Standards and Technology Act to improve the Network for Manufacturing Innovation Program by including financial assistance to establish and support centers for manufacturing innovation and expanding the scope of the Act to include tool development for microelectronics, food manufacturing, superconductors, advanced battery technologies, robotics, advanced sensors, quantum information science, supply chain water optimization, and aeronautics and advanced materials.

S. 1625: United States 5G Leadership Act of 2019

- Sponsor: Sen. Roger Wicker [R-MS]
- Cosponsors - 4 (2R,2D)
- Prognosis - 8%
- Introduced - May 22, 2019

S. 1625 promotes the deployment of commercial fifth-generation mobile networks and the sharing of information with communications providers in the United States regarding security risks to the networks of those providers.

S. 777: CHANCE in TECH Act

- Sponsor: Sen. Cory Gardner [R-CO]
- Cosponsors - 3 (2D,1R)
- Prognosis - 7%
- Introduced - Mar 13, 2019

H.R. 1733: CHANCE in TECH Act

- Sponsor: Rep. Seth Moulton [D-MA6]
- Cosponsors - 11 (8D,3R)
- Prognosis - 3%
- Introduced - Mar 13, 2019

H.R. 1733 and S. 777 directs the Secretary of Labor to enter into contracts with industry intermediaries for purposes of promoting the development of and access to apprenticeships in the cybersecurity and technology sector, and for other purposes.

H.R. 2015: TRACED Act

- Sponsor: Rep. David Kustoff [R-TN8]
- Cosponsors - 2 (1R,1D)
- Prognosis - 7%
- Introduced - Apr 1, 2019

H.R. 2015 deters criminal robocall violations and improves enforcement of section 227(b) of the Communications Act of 1934, and for other purposes.

H.R. 2144: Token Taxonomy Act of 2019

- Sponsor: Rep. Warren Davidson [R-OH8]
- Cosponsors - 5 (3D,2R)
- Prognosis - 6%
- Introduced - Apr 9, 2019

H.R. 2144 amends the Securities Act of 1933 and the Securities Exchange Act of 1934 to exclude digital tokens from the definition of a security, to direct the Securities and Exchange Commission to enact certain regulatory changes regarding digital units secured through public key cryptography, to adjust taxation of virtual currencies held in individual retirement accounts, to create a tax exemption for exchanges of one virtual currency for another, to create a de minimis exemption from taxation for gains realized from the sale or exchange of virtual currency for other than cash, and for other purposes.

H.R. 528: Blockchain Regulatory Certainty Act

- Sponsor: Rep. Tom Emmer [R-MN6]

- Cosponsors - 1 (1D)
- Prognosis - 6%
- Introduced - Jan 14, 2019

H.R. 528 provide a safe harbor from licensing and registration for certain non-controlling block chain developers and providers of block chain services.

S. 1558: Artificial Intelligence Initiative Act

- Sponsor: Sen. Martin Heinrich [D-NM]
- Cosponsors - 2 (1D,1R)
- Prognosis - 5%
- Introduced - May 21, 2019

S. 1558 establishes a coordinated Federal initiative to accelerate research and development on artificial intelligence for the economic and national security of the United States.

H.R. 2154: Digital Taxonomy Act of 2019

- Sponsor: Rep. Darren Soto [D-FL9]
- Cosponsors - 1 (1R)
- Prognosis - 4%
- Introduced - Apr 9, 2019

H.R. 2154 authorizes additional appropriations to the Federal Trade Commission to prevent unfair or deceptive acts or practices relating to digital tokens and transactions relating to digital tokens, and to require a report to Congress on the Commission's actions related to digital tokens.

S. 2181: Cyber AIR Act

- Sponsor: Sen. Edward “Ed” Markey [D-MA]
- Cosponsors - 1 (1D)
- Prognosis - 4%
- Introduced - Jul 18, 2019

S. 2181 requires the disclosure of information relating to cyberattacks on aircraft systems and maintenance and ground support systems for aircraft, to identify and address cybersecurity vulnerabilities to the United States commercial aviation system.

H.R. 2044: Smart Building Acceleration Act

- Sponsor: Rep. Peter Welch [D-VT0]
- Cosponsors - 3 (2R,1D)
- Prognosis - 16%
- Introduced - Apr 3, 2019
- Ordered Reported - Jul 17, 2019

S. 2335: Smart Building Acceleration Act of 2019

- Sponsor: Sen. Maria Cantwell [D-WA]
- Cosponsors - 1 (1D)
- Prognosis - 4%
- Introduced - Jul 30, 2019
- Ordered Reported - Sep 25, 2019

H. 2044 and S. 2335 accelerate smart building development and requires cybersecurity throughout the development of smart buildings.

H.R. 4229: Broadband Deployment Accuracy and Technological Availability Act

- Sponsor: Rep. David Loebsack [D-IA2]
- Cosponsors - 3 (2R,1D)
- Prognosis - 3%
- Introduced - Sep 6, 2019

H.R. 4229 requires the Federal Communications Commission to issue rules relating to the collection of data with respect to the availability of broadband services.

S. 2316: Manufacturing, Investment, and Controls Review for Computer Hardware, Intellectual Property, and Supply Act of 2019

- Sponsor: Sen. Michael Crapo [R-ID]
- Cosponsors - 1 (1D)
- Prognosis - 3%

- Introduced - Jul 30, 2019

S. 2316 require a plan for strengthening the supply chain intelligence function, to establish a National Supply Chain Intelligence Center.

[S. 2182: SPY Car Act of 2019](#)

- Sponsor: Sen. Edward Markey [D-MA]
- Cosponsors - 1 (1D)
- Prognosis - 2%
- Introduced - Jul 18, 2019

S. 2182 protects consumers from security and privacy threats to their motor vehicles.

[H.R. 4792: Cyber Shield Act of 2019](#)

- Sponsor: Rep. Ted Lieu [D-CA33]
- Cosponsors - 0
- Prognosis - 2%
- Introduced - Oct 22, 2019

[S. 2664: Cyber Shield Act of 2019](#)

- Sponsor: Sen. Edward “Ed” Markey [D-MA]
- Cosponsors - 0
- Prognosis - 2%
- Introduced - Oct 22, 2019

H.R. 4792 and S. 2664 establishes a voluntary program to identify and promote internet-connected products that meet industry-leading cybersecurity and data security standards, guidelines, best practices, methodologies, procedures, and processes.

[H.R. 2575: AI in Government Act of 2019](#)

- Sponsor: Rep. Jerry McNerney [D-CA9]
- Cosponsors - 1 (1R)
- Prognosis - 4%
- Introduced - May 8, 2019

H.R. 2575 authorizes an AI Center of Excellence within the General Services Administration, and for other purposes.

H.R. 3038: Securing American Science and Technology Act of 2019

- Sponsor: Rep. Mikie Sherrill [D-NJ11]
- Cosponsors - 13 (7D,6R)
- Prognosis - 3%
- Introduced - May 30, 2019

H.R. 3038 establishes an interagency working group to coordinate activities and develop policy guidance to protect federally funded research and development from foreign interference, cyberattacks, theft, or espionage. The bill also develops common definitions and best practices for Federal science agencies and grantees, while accounting for the importance of the open exchange of ideas and international talent required for scientific progress and American leadership in science and technology.

H.R. 2841: Zero Tolerance for Electronics Theft Act

- Sponsor: Rep. Steve Chabot [R-OH1]
- Cosponsors -0
- Prognosis - 3%
- Introduced - May 20, 2019

H.R. 2941 amends title 35, United States Code, with respect to actions for patent infringement due to recent cyber espionage campaigns attributed to Chinese state-sponsored cyber threat actors. In particular, the bill revokes export privileges from firms that are found to participate in cyber espionage and the digital theft of intellectual property or trade secrets.

H.R. 2202: [Unnamed AI Bill]

- Sponsor: Rep. Daniel Lipinski [D-IL3]
- Cosponsors - 1 (1R)
- Prognosis - 2%
- Introduced - Apr 10, 2019

H.R. 2202 establishes a coordinated Federal initiative to accelerate artificial intelligence research and development for the economic and national security of the United States, and for other purposes.

S. 1108 [Unnamed PII Bill]

- Sponsor: Sen. Ron Wyden [D-OR]
- Cosponsors - 1 (1D)
- Prognosis - 2%
- Introduced - Apr 10, 2019

S. 1108 directs the Federal Trade Commission to require entities that use, store, or share personal information to conduct automated decision system impact assessments and data protection impact assessments.

H.R. 818: DEVICE Act of 2019

- Sponsor: Rep. Ted Lieu [D-CA33]
- Cosponsors - 4 (4D)
- Prognosis - 2%
- Introduced - Jan 28, 2019

H.R. 818 amends the Federal Food, Drug, and Cosmetic Act to enhance medical device communications and ensure device cleanliness relating to changes to the design or operation of medical devices.

H.R. 56: Financial Technology Protection Act

- Sponsor: Rep. Ted Budd [R-NC13]
- Cosponsors - 1 (1D)
- Prognosis - 2%
- Introduced - Jan 3, 2019

H.R. 56 establishes an Independent Financial Technology Task Force to Combat Terrorism and Illicit Financing, provides rewards for information leading to convictions related to terrorist use of digital currencies, establishes a Fintech Leadership in Innovation and Financial Intelligence

Program to encourage the development of tools and programs to combat terrorist and illicit use of digital currencies, etc.

S. 29: A bill to establish the Office of Critical Technologies and Security, and for other purposes.

- Sponsor: Sen. Mark Warner [D-VA]
- Cosponsors - 1 (1R)
- Prognosis - 2%
- Introduced - Jan 4, 2019

Establishes the Office of Critical Technologies and Security, that can coordinate security policy relating to critical emerging, foundational, and dual-use technologies between the National Security Council and the National Economic Council and interface with international, Federal, State, and local entities on that policy as well as develop strategic cybersecurity policies.

H.R. 3156: Smart Technologies Advancing Reliable Transportation Act

- Sponsor: Rep. Yvette Clarke [D-NY9]
- Cosponsors - 0
- Introduced - Jun 6, 2019

H.R. 3156 promotes the use of smart technologies and systems in communities. It requires that smart city technologies and the associated data be secured against physical and cyber threats.

H.R. 1101

- Sponsor: Rep. Greg Walden [R-OR2]
- Cosponsors - 0
- Introduced - Feb 7, 2019

H.R. 1101 amends the Communications Act of 1934 to ensure internet openness, to prohibit blocking lawful content and non-harmful devices, to prohibit throttling data, to prohibit paid prioritization, to require transparency of network management practices, to provide that broadband shall be considered to be an information service, and to prohibit the Commission or a State commission from relying on section 706 of the Telecommunications Act of 1996 as a grant of authority.

H.Res. 153: Supporting the development of guidelines for ethical development of artificial intelligence.

- Sponsor: Rep. Brenda Lawrence [D-MI14]
- Cosponsors - 9 (9D)
- Introduced - Feb 27, 2019

H. Res. 153 aims to establish that the House of Representatives supports the development of guidelines for the ethical development of artificial intelligence (AI), in consultation with diverse stakeholders, and consonant with the following aims of:

- (1) Engagement among industry, government, academia, and civil society.
 - (2) Transparency and explainability of AI systems, processes, and implications.
 - (3) Helping to empower women and underrepresented or marginalized populations.
 - (4) Information privacy and the protection of one's personal data.
 - (5) Career opportunity to find meaningful work and maintain a livelihood.
 - (6) Accountability and oversight for all automated decision-making.
 - (7) Lifelong learning in STEM, social sciences, and humanities.
 - (8) Access and fairness regarding technological services and benefits.
 - (9) Interdisciplinary research about AI that is safe and beneficial.
 - (10) Safety, security, and control of AI systems now and in the future.
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H.R. 3600: Deepfakes Report Act of 2019

- Sponsor: Rep. Derek Kilmer [D-WA6]
- Cosponsors - 3 (2R,1D)
- Introduced - Jun 28, 2019

H.R. 3600 requires the Secretary of Homeland Security to publish an annual report on the use of deepfake technology.

Utilities

Category Definition: Legislation regarding the security and systems of utilities and critical infrastructure systems.

[H.R. 1359: Digital GAP Act](#)

- Sponsor: Rep. Ron Wright [R-TX6]
- Cosponsors - 6 (5D,1R)
- Prognosis - 85%
- Introduced - Feb 26, 2019
- Passed House (Senate next) - May 20, 2019

H.R. 1359 promotes Internet access in developing countries and update foreign policy toward the Internet, and for other purposes.

[H.R. 2063: E-FRONTIER Act](#)

- Sponsor: Rep. Tony Cárdenas [D-CA29]
- Cosponsors - 3 (2R,1D)
- Prognosis - 63%
- Introduced - Apr 3, 2019

[S. 918: E-FRONTIER Act](#)

- Sponsor: Sen. Ted Cruz [R-TX]
- Cosponsors - 1 (1D)
- Prognosis - 67%
- Introduced - Mar 27, 2019
- Ordered Reported - Apr 3, 2019

H.R. 2063 and S. 918 prohibit the President or a Federal agency from constructing, operating, or offering wholesale or retail services on broadband networks without authorization from Congress, and for other purposes.

[H.R. 3256: Protecting and Securing Chemical Facilities from Terrorist Attacks Act of 2019](#)

- Sponsor: Rep. Cedric Richmond [D-LA2]
- Cosponsors - 1 (1D)

- Prognosis - 58%
- Introduced - Jun 13, 2019
- Ordered Reported - Jun 19, 2019

amend the Homeland Security Act of 2002 to reauthorize and improve the Chemical Facility Anti-Terrorism Standards Program. It tasks the Director of the Cybersecurity and Infrastructure Security Agency to conduct a review of the risk assessment approach and corresponding tiering methodology for covered chemical facilities required pursuant to section 2102(e)(2) of the Homeland Security Act of 2002 and the Secretary of Homeland Security, acting through the Director of the Cybersecurity and Infrastructure Security Agency, to establish a secure communications and information technology infrastructure or platform that allows facility owners and operators to report, on a voluntary basis, information on emerging threats, including terrorism threats posed by unmanned aircraft systems.

S. 1289: Measuring the Economic Impact of Broadband Act of 2019

- Sponsor: Sen. Amy Klobuchar [D-MN]
- Cosponsors - 5 (3R,1D,1I)
- Prognosis - 58%
- Introduced - May 2, 2019
- Passed Senate (House next) - Jun 5, 2019

S. 1289 requires the Secretary of Commerce to conduct an assessment and analysis of the effects of broadband deployment and adoption on the economy of the United States.

H.R. 1644: Save the Internet Act of 2019

- Sponsor: Rep. Michael “Mike” Doyle [D-PA18]
- Cosponsors - 197 (197D)
- Prognosis - 48%
- Introduced - Mar 8, 2019
- Passed House (Senate next) - Apr 10, 2019

H.R. 1644 tasks the FCC with restoring net neutrality. It also calls for the Comptroller General of the United States to submit to Congress a report assessing the effect of the rules on the Internet ecosystem and whether such rules protect the access of consumers to a free and open internet.

H.R. 2881: Secure 5G and Beyond Act of 2019

- Sponsor: Rep. Abigail Spanberger [D-VA7]
- Cosponsors - 17 (9D,8R)
- Prognosis - 39%
- Introduced - May 21, 2019
- Ordered Reported - Oct 30, 2019

H.R. 2881 requires the President to develop a strategy to ensure the security of next generation mobile telecommunications systems and infrastructure in the United States and to assist allies and strategic partners in maximizing the security of next generation mobile telecommunications systems, infrastructure, and software.

H.R. 1328: ACCESS BROADBAND Act

- Sponsor: Rep. Paul Tonko [D-NY20]
- Cosponsors - 25 (14D,11R)
- Prognosis - 18%
- Introduced - Feb 25, 2019
- Passed House (Senate next) - May 8, 2019

The Advancing Critical Connectivity Expands Service, Small Business Resources, Opportunities, Access, and Data Based on Assessed Need and Demand (ACCESS BROADBAND) Act establishes the Office of Internet Connectivity and Growth to connect with communities that need access to high-speed internet and improved digital inclusion efforts through various forms of outreach and communication techniques and for other purposes.

S. 1294: Broadband Interagency Coordination Act of 2019

- Sponsor: Sen. Roger Wicker [R-MS]
- Cosponsors - 1 (1D)
- Prognosis - 7%
- Introduced - May 2, 2019
- Ordered Reported - May 15, 2019

S. 1294 requires Federal agencies with jurisdiction over broadband deployment to enter into an interagency agreement related to certain types of funding for broadband deployment.

S. 1046: Advancing Critical Connectivity Expands Service, Small Business Resources, Opportunities, Access, and Data Based on Assessed Need and Demand Act

- Sponsor: Sen. Catherine Cortez Masto [D-NV]
- Cosponsors - 6 (3D,3R)
- Prognosis - 6%
- Introduced - Apr 4, 2019

S. 1046 establishes the Office of Internet Connectivity and Growth to expand broadband accessibility, adoption, and training.

H.R. 4459: Secure and Trusted Communications Networks Act of 2019

- Sponsor: Rep. Frank Pallone [D-NJ6]
- Cosponsors - 3 (2R,1D)
- Prognosis - 4%
- Introduced - Sep 24, 2019

H.R. 4459 prohibits Federal funds from being used to purchase communications equipment or services posing national security risks, to provide for the establishment of a reimbursement program for the replacement of communications equipment or services posing such risks.

H.R. 4486: Digital Equity Act of 2019

- Sponsor: Rep. Jerry McNerney [D-CA9]
- Cosponsors - 2 (2D)
- Prognosis - 4%
- Introduced - Sep 25, 2019

H.R. 4486 requires the Assistant Secretary of Commerce for Communications and Information to establish a State Digital Equity Capacity Grant Program. The bill requires basic cybersecurity, cyber-hygiene, and online privacy education as a measure of the digital inclusion that the legislation argues is essential for individuals to fully participate in the society and economy of the United States.

H.R. 2136: Open Internet Preservation Act

- Sponsor: Rep. Lloyd Smucker [R-PA11]
- Cosponsors - 0
- Prognosis - 3%

- Introduced - Apr 8, 2019

H.R. 2136 amends the Communications Act of 1934 to ensure internet openness, to prohibit blocking of lawful content, applications, services, and non-harmful devices, to prohibit impairment or degradation of lawful internet traffic, to limit the authority of the Federal Communications Commission and to preempt State law with respect to internet openness obligations, to provide that broadband internet access service shall be considered to be an information service, and for other purposes.

H.R. 3763: Promoting United States International Leadership in 5G Act of 2019

- Sponsor: Rep. Michael McCaul [R-TX10]
- Cosponsors - 11 (6R,5D)
- Prognosis - 2%
- Introduced - Jul 15, 2019
- Ordered Reported - Oct 30, 2019

H.R. 3763 directs the Secretary of State to provide assistance and technical expertise to enhance the representation and leadership of the United States at international standards-setting bodies that set standards for 5th and future generations mobile telecommunications systems and infrastructure.

H.R. 4998: Secure and Trusted Communications Networks Act of 2019

- Sponsor: Rep. Frank Pallone [D-NJ6]
- Cosponsors - 3 (2R,1D)
- Introduced - Nov 8, 2019

H.R. 4998 prohibits certain Federal loans, grants, and subsidies from being used to purchase communications equipment or services posing national security risks and to provide for the establishment of a reimbursement program for the replacement of communications equipment or services posing such cybersecurity and cyber-kinetic risks.

H.Res. 575: “The Prague Proposals” Resolution

- Sponsor: Rep. Bill Flores [R-TX17]
- Cosponsors - 1 (1D)
- Introduced - Sep 24, 2019

H.Res. 575 expresses the sense of the House of Representatives that all stakeholders in the deployment of 5G communications infrastructure should carefully consider and adhere to the security and deployment recommendations set by government security officials and experts from 32 countries in Prague in May of 2019.

[S. 1522](#)

- Sponsor: Sen. Shelley Capito [R-WV]
- Cosponsors - 3 (2D,1R)
- Introduced - May 16, 2019

S. 1522 improves broadband data collection, mapping, and validation to support the effective deployment of broadband services to all areas of the United States, and for other purposes.

[S. 1485](#)

- Sponsor: Sen. Joe Manchin [D-WV]
- Cosponsors - 1 (1R)
- Introduced - May 15, 2019

S. 1485 improves the collection and aggregation of fixed and mobile broadband internet access coverage data, and for other purposes.

[H.R. 2741](#)

- Sponsor: Rep. Frank Pallone [D-NJ6]
- Cosponsors - 30 (30D)
- Introduced - May 15, 2019

H.R. 2741 aims to rebuild and modernize the Nation's infrastructure to expand access to broadband and Next Generation 9-1-1, rehabilitate drinking water infrastructure, modernize the electric grid and energy supply infrastructure, redevelop brownfields, strengthen health care infrastructure, create jobs, and protect public health and the environment, and for other purposes.

[H.R. 2643](#)

- Sponsor: Rep. Robert Latta [R-OH5]

- Cosponsors - 1 (1D)
- Introduced - May 9, 2019

H.R. 2643 directs the Federal Communications Commission to establish a challenge process to verify fixed and mobile broadband service coverage data.

[H.Con.Res. 36](#)

- Sponsor: Rep. Ted Lieu [D-CA33]
- Cosponsors - 99 (99D)
- Introduced - Apr 25, 2019

H. Con. Res. 36 calls for public investment to build resilient communities and infrastructure protection to ensure that the Nation's infrastructure can withstand cyber attacks, physical attacks, and the extreme weather events caused by climate change.
