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Cybersecurity: Legislation, Hearings, and Executive Branch Documents

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Summary

Cybersecurity vulnerabilities challenge governments, businesses, and individuals worldwide. Attacks have been initiated against individuals, corporations, and countries. Targets have included government networks, companies, and political organizations, depending upon whether the attacker was seeking military intelligence, conducting diplomatic or industrial espionage, engaging in cybercrime, or intimidating political activists. In addition, national borders mean little or nothing to cyberattackers, and attributing an attack to a specific location can be difficult, which may make responding problematic.

Despite many recommendations made over the past decade, most major legislative provisions relating to cybersecurity had been enacted prior to 2002. However, on December 18, 2014, five cybersecurity bills were signed by the President. These bills changed federal cybersecurity programs in a number of ways:

- codifying the role of the National Institute of Standards and Technology (NIST) in developing a “voluntary, industry-led set of standards” to reduce cyber risk;
- codifying the Department of Homeland Security’s (DHS’s) National Cybersecurity and Communications Integration Center as a hub for interactions with the private sector;
- updating the Federal Information Security Management Act (FISMA) by requiring the Office of Management and Budget (OMB) to “eliminate ... inefficient and wasteful reports”; and
- requiring DHS to develop a “comprehensive workforce strategy” within a year and giving DHS new authorities for cybersecurity hiring.

This report provides links to cybersecurity legislation in the 112th, 113th, 114th, and 115th Congresses. Congress has held cybersecurity hearings every year since 2001. This report also provides links to cybersecurity-related committee hearings in the 113th, 114th, and 115th Congresses.

In the 115th Congress, 12 bills have received committee consideration or passed one or both chambers.

In the 114th Congress, the House passed eight bills:

- H.R. 1073, Critical Infrastructure Protection Act.
- H.R. 1560, Protecting Cyber Networks Act.
- H.R. 1731, National Cybersecurity Protection Advancement Act of 2015.
- H.R. 3490, Strengthening State and Local Cyber Crime Fighting Act.
- H.R. 3510, Department of Homeland Security Cybersecurity Strategy Act of 2015.
- H.R. 3869, State and Local Cyber Protection Act of 2015.
- H.R. 3878, Strengthening Cybersecurity Information Sharing and Coordination in Our Ports Act of 2015.
- H.R. 4743, National Cybersecurity Preparedness Consortium Act of 2016.

The Senate passed one bill in the 114th Congress:

- S. 754, Cybersecurity Information Sharing Act of 2015.

On December 18, 2015, H.R. 2029, the Consolidated Appropriations Act, was signed into public law (P.L. 114-113). The omnibus law's cybersecurity provisions are located in Division N (Cybersecurity Act of 2015), including Title I, Cybersecurity Information Sharing; Title II, National Cybersecurity Advancement; Title III, Federal Cybersecurity Workforce Assessment; and Title IV, Other Cyber Matters. The measure represents a compromise between the House and Senate intelligence committees and the House Homeland Security Committee. It includes various components of three separate information sharing bills: H.R. 1560 and H.R. 1731, passed by the House in April 2015, and S. 754, passed by the Senate in October 2015. The bill encourages private companies to voluntarily share information about cyber threats with each other as well as the government. Firms that participate in the information sharing will receive liability protection.

Executive orders authorize the President to manage federal government operations. Presidential directives pertain to all aspects of U.S. national security policy as authorized by the President. This report provides a list of executive orders and presidential directives pertaining to information and computer security.

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Summary of Legislation

Most major legislative provisions relating to cybersecurity had been enacted prior to 2002, despite many recommendations made over the past decade.

112th Congress: Summary of Legislative Action

In the 112th Congress, the White House sent a comprehensive, seven-part legislative proposal (*White House Proposal*) to Congress on May 12, 2011.¹ Some elements of that proposal were included in both House and Senate bills. The House passed a series of bills that addressed a variety of issues—from toughening law enforcement of cybercrimes to giving the Department of Homeland Security (DHS) oversight of federal information technology and critical infrastructure security to lessening liability for private companies that adopt cybersecurity best practices. The Senate pursued a comprehensive cybersecurity bill (S. 3414) with several committees working to create a single vehicle for passage, backed by the White House, but the bill failed to overcome two cloture votes and did not pass. Despite the lack of enactment of cybersecurity legislation in the 112th Congress, there still appears to be considerable support in principle for significant legislation to address most of the issues.

113th Congress: Summary of Legislative Action

In the 113th Congress, five cybersecurity bills were signed by the President on December 18, 2014:

- H.R. 2952, the Cybersecurity Workforce Assessment Act, which requires the DHS to develop a cyber-workforce strategy;
- S. 1353, the Cybersecurity Enhancement Act of 2014, which codifies the National Institute of Standards and Technology's (NIST's) role in cybersecurity;
- S. 1691, the Border Patrol Agent Pay Reform Act of 2014, which gives DHS new authorities for cybersecurity hiring;
- S. 2519, the National Cybersecurity Protection Act of 2014, which codifies DHS's cybersecurity center; and
- S. 2521, the Federal Information Security Modernization Act of 2014, which reforms federal IT security management.

The National Defense Authorization Act for Fiscal Year 2014 became P.L. 113-66 on December 26, 2013.

In February 2013, the White House issued an executive order designed to improve the cybersecurity of U.S. critical infrastructure.² Executive Order 13636 attempts to enhance the security and resiliency of critical infrastructure through voluntary, collaborative efforts involving federal agencies and owners and operators of privately owned critical infrastructure, as well as the use of existing federal regulatory authorities. Given the absence of comprehensive cybersecurity legislation, some security observers contend that E.O. 13636 is a necessary step in

¹ The White House, Complete Cybersecurity Proposal, 2011, <https://obamawhitehouse.archives.gov/sites/default/files/omb/legislative/letters/law-enforcement-provisions-related-to-computer-security-full-bill.pdf>.

² Executive Order 13636, "Improving Critical Infrastructure Cybersecurity," *Federal Register* 78, no. 33 (February 19, 2013): 11737–11744.

securing vital assets against cyberthreats. Others have expressed the view that the executive order could make enactment of a bill less likely or could lead to government intrusiveness into private-sector activities through increased regulation under existing statutory authority. For further discussion of the executive order, see CRS Report R42984, *The 2013 Cybersecurity Executive Order: Overview and Considerations for Congress*, by Eric A. Fischer et al.

114th Congress: Summary of Legislative Action

In February 2015, the White House issued Executive Order 13691,³ which, along with a legislative proposal, is aimed at enhancing information sharing in cybersecurity among private sector entities. It promotes the use of information sharing and analysis organizations (ISAOs), which were defined in the Homeland Security Act (6 U.S.C. §131(5)) as entities that gather, analyze, and share information on the security of critical infrastructure (CI)⁴ to assist in defense against and recovery from incidents. The White House initiatives would broaden the reach of ISAOs beyond CI to any affinity group. In that sense, they differ from the more familiar information sharing and analysis centers (ISACs), created in response to Presidential Decision Directive (PDD) 63 in 1998 specifically to address information-sharing needs in CI sectors.

Also in February 2015, the Obama Administration established, via presidential memorandum,⁵ the Cyber Threat Intelligence Integration Center (CTIIC) to be established by the Director of National Intelligence (DNI). Its purposes are to provide integrated analysis on foreign cybersecurity threats and incidents affecting national interests and to support relevant government entities, including the National Cybersecurity and Communications Integration Center (NCCIC) at the Department of Homeland Security (DHS), as well as others at the Department of Defense (DOD) and Department of Justice (DOJ).

More than 20 bills have been introduced in the 114th Congress that would address several issues, including data-breach notification, incidents involving other nation-states, information sharing, law enforcement and cybercrime, protection of critical infrastructure (CI), workforce development, and education. The Obama Administration has released proposals for three bills—on information sharing, data-breach notification, and revision of cybercrime laws. Several bills have received or are expected to receive committee or floor action.

On April 22, 2015, the House passed H.R. 1560, which will provide liability protection to companies that share cyber threat information with the government and other companies so long as personal information is removed before the sharing of such information. On April 23, 2015, the House passed H.R. 1731, which will encourage information sharing with the Department of Homeland Security by protecting entities from civil liabilities.

On October 27, 2015, the Senate passed S. 754, the Cybersecurity Information Sharing Act of 2015 (CISA), by a vote of 74-21 (Roll call vote 291). The House approved companion legislation in April, so the cybersecurity measure is now on track to reach President Obama's desk and be signed into law, once a conference report is negotiated. CISA attempts to open up communication

³ E.O. 13691, Encouraging Private-Sector Cybersecurity Collaboration, White House, February 12, 2015, at <http://www.whitehouse.gov/the-press-office/2015/02/12/fact-sheet-executive-order-promoting-private-sector-cybersecurity-inform>.

⁴ PDD-63, Critical Infrastructure Protection, White House, May 22, 1998, at <http://www.fas.org/irp/offdocs/pdd/pdd-63.htm>.

⁵ Presidential Memorandum—Establishment of the Cyber Threat Intelligence Integration Center. White House, February 25, 2015, at <http://www.whitehouse.gov/the-press-office/2015/02/25/presidential-memorandum-establishment-cyber-threat-intelligence-integrat>.

channels between industry and federal agencies by offering legal immunity to companies that share data with the government. For more information on what is covered in the Senate bill, see CRS Legal Sidebar WSLG1429, *Senate Passes Cybersecurity Information Sharing Bill –What’s Next?*, by Andrew Nolan.

On November 30, 2015, the House passed H.R. 3490, which would establish in the Department of Homeland Security a National Computer Forensics Institute to be operated by the U.S. Secret Service for the dissemination of homeland security information related to the investigation and prevention of cyber and electronic crime. On December 10, 2015, the House passed H.R. 3869, the State and Local Cyber Protection Act of 2015, which requires the Department of Homeland Security’s (DHS’s) national cybersecurity and communications integration center (NCCIC) to assist state and local governments with cybersecurity, and on December 16, 2015, the House passed H.R. 3878, Strengthening Cybersecurity Information Sharing and Coordination in Our Ports Act of 2015, which requires DHS to seek to enhance cybersecurity situational awareness and information sharing between and with maritime security stakeholders from federal, state, local, and tribal governments, public safety and emergency response agencies, law enforcement and security organizations, maritime industry participants, port owners and operators, and maritime terminal owners and operators.

On December 18, 2015, H.R. 2029, the Consolidated Appropriations Act, was signed into public law (P.L. 114-113). The omnibus law’s cybersecurity provisions are located in Division N (Cybersecurity Act of 2015), including Title I, Cybersecurity Information Sharing; Title II, National Cybersecurity Advancement; Title III, Federal Cybersecurity Workforce Assessment; and Title IV, Other Cyber Matters. The measure represents a compromise between the House and Senate intelligence committees and the House Homeland Security Committee. It includes various components of three separate information sharing bills: H.R. 1560 and H.R. 1731, passed by the House in April 2015, and S. 754, passed by the Senate in October 2015. The bill encourages private companies to voluntarily share information about cyber threats with each other as well as the government. Firms that participate in the information sharing will receive liability protection.

115th Congress: Summary of Legislative Action

Twelve bills have received committee consideration or passed one or both chambers in the 115th Congress. See **Table 1** and **Table 2** for a list of these bills.

CRS Reports and Other CRS Products: Legislation

- CRS Report R43831, *Cybersecurity Issues and Challenges: In Brief*, by Eric A. Fischer
- CRS In Focus IF10610, *Cybersecurity Legislation in the 113th and 114th Congresses*, by Eric A. Fischer
- CRS Report R44069, *Cybersecurity and Information Sharing: Comparison of H.R. 1560 (PCNA and NCPAA) and S. 754 (CISA)*, by Eric A. Fischer
- CRS Report R43996, *Cybersecurity and Information Sharing: Comparison of H.R. 1560 and H.R. 1731 as Passed by the House*, by Eric A. Fischer and Stephanie M. Logan
- CRS Report R42114, *Federal Laws Relating to Cybersecurity: Overview of Major Issues, Current Laws, and Proposed Legislation*, by Eric A. Fischer
- CRS Report R43821, *Legislation to Facilitate Cybersecurity Information Sharing: Economic Analysis*, by N. Eric Weiss
- CRS Report R42475, *Data Security Breach Notification Laws*, by Gina Stevens

Legislation in the 115th, 114th, and 113th Congresses

The following tables list House and Senate bills in the 115th, 114th, and 113th Congresses. Thus far, in the 115th Congress, 12 bills have received committee consideration, or passed one or both chambers. **Table 1** is a list of House bills in the 115th Congress, and **Table 2** is a list of Senate bills. **Table 3** and **Table 4** list bills in the 114th Congress. **Table 5** and **Table 6** list bills in the 113th Congress.

Table I. 115th Congress Legislation: House

| Bill No. | Title | Committee(s) | Date Introduced | Latest Major Action | Date |
|-----------------|---|---|------------------------|--|------------------|
| H.R. 239 | Support for Rapid Innovation Act of 2017 | Homeland Security | January 4, 2017 | Passed House | January 10, 2017 |
| H.R. 584 | Cyber Preparedness Act of 2017 | Homeland Security | January 17, 2017 | Passed House | January 31, 2017 |
| H.R. 589 | Department of Energy Research and Innovation Act | Science, Space, and Technology | January 20, 2017 | Passed House | January 24, 2017 |
| H.R. 612 | United States-Israel Cybersecurity Cooperation Enhancement Act of 2017 | Homeland Security | January 23, 2017 | Passed House | January 31, 2017 |
| H.R. 1224 | NIST Cybersecurity Framework, Assessment, and Auditing Act of 2017 | Science, Space, and Technology | February 27, 2017 | Ordered to be reported by Yeas and Nays: 19-14 | March 1, 2017 |
| H.R. 1616 | Strengthening State and Local Cyber Crime Fighting Act of 2017 | Judiciary, Homeland Security | May 16, 2017 | Became Public Law (P.L. 115-76) | November 2, 2017 |
| H.R. 2105 | NIST Small Business Cybersecurity Act | Science, Space and Technology | April 20, 2017 | Passed House by voice vote | October 11, 2017 |
| H.R. 2227 | Modernizing Government Technology Act | Appropriations | April 28, 2017 | Passed House by voice vote | May 17, 2017 |
| H.R. 3101 | Strengthening Cybersecurity Information Sharing and Coordination in Our Ports Act of 2017 | House - Homeland Security, Transportation and Infrastructure Senate - Commerce, Science, and Transportation | June 28, 2017 | Passed House by voice vote | October 24, 2017 |
| H.R. 3202 | Cyber Vulnerability Disclosure Reporting Act | Homeland Security and Governmental Affairs. | July 12, 2017 | Passed House by voice vote | January 9, 2018 |

| Bill No. | Title | Committee(s) | Date Introduced | Latest Major Action | Date |
|-----------|--|--|--------------------|----------------------------|-------------------|
| H.R. 3359 | Cybersecurity and Infrastructure Security Agency Act of 2017 | Homeland Security; Energy and Commerce; Oversight and Government Reform; Transportation and Infrastructure | July 24, 2017 | Passed House by voice vote | December 11, 2017 |
| H.R. 3776 | Cyber Diplomacy Act of 2017 | Foreign Affairs | September 14, 2017 | Passed House by voice vote | January 17, 2018 |

Source: Compiled by the Congressional Research Service (CRS) from Congress.gov.

Note: This list includes bills with committee action or a House vote.

Table 2. 115th Congress Legislation: Senate

| Bill No. | Title | Committee(s) | Date Introduced | Latest Major Action | Date |
|----------|---------------------------------------|---------------------------------------|------------------|---------------------------------|--------------------|
| S. 79 | Securing Energy Infrastructure Act | Energy and Natural Resources | January 10, 2017 | Subcommittee hearing held | March 28, 2017 |
| S. 770 | MAIN STREET Cybersecurity Act of 2017 | Commerce, Science, and Transportation | March 29, 2017 | Passed Senate | September 28, 2017 |
| S. 782 | PROTECT Our Children Act of 2017 | Judiciary | March 30, 2017 | Became Public Law (P.L. 115-82) | November 2, 2017 |

Source: Compiled by the Congressional Research Service (CRS) from Congress.gov.

Note: This list includes bills with committee action or a Senate vote.

Table 3. 114th Congress Legislation: House

| Bill No. | Title | Committee(s) | Date Introduced | Latest Major Action | Date |
|----------|--|---------------------------------|------------------|-------------------------------------|-----------------|
| H.R. 451 | Safe and Secure Federal Websites Act of 2015 | Oversight and Government Reform | January 21, 2015 | Reported (amended) by the committee | January 6, 2016 |

| Bill No. | Title | Committee(s) | Date Introduced | Latest Major Action | Date |
|------------------------|---|---|--------------------|--|-------------------|
| H.R. 1073 | Critical Infrastructure Protection Act (CIPA) | Homeland Security | February 25, 2015 | Measure, as amended, passed in the House by voice vote, under suspension of the rules (two-thirds vote required) | November 16, 2015 |
| H.R. 1560 | Protecting Cyber Networks Act | Intelligence | March 24, 2015 | Passed by House April 22, Roll Call Vote 170, Received in Senate | April 22, 2015 |
| H.R. 1731 | National Cybersecurity Protection Advancement Act | Homeland Security | April 14, 2015 | Passed House, Roll Call Vote 173 | April 23, 2015 |
| H.R. 1770 | Data Security and Breach Notification Act of 2015 | Energy and Commerce | April 14, 2015 | Reported (Amended) by the Committee | January 3, 2017 |
| H.R. 2029 ⁶ | Consolidated Appropriations Act | Appropriations | April 24, 2015 | Became P.L. 114-113 | December 18, 2015 |
| H.R. 2205 | Data Security Act of 2015 | Energy and Commerce; Financial Services | May 1, 2015 | Ordered to be Reported (Amended) by the Yeas and Nays: 46 - 9 | December 9, 2015 |
| H.R. 3490 | Strengthening State and Local Cyber Crime Fighting Act | Homeland Security and Judiciary | September 11, 2015 | Passed House (Amended) by voice vote | November 30, 2015 |
| H.R. 3510 | Department of Homeland Security Cybersecurity Act of 2015 | Homeland Security | September 17, 2015 | Passed House by voice vote | October 6, 2015 |
| H.R. 3869 | State and Local Cyber Protection Act of 2015 | Homeland Security | November 2, 2015 | Passed House | December 10, 2015 |

⁶ The omnibus law's cybersecurity provisions are located in Division N (Cybersecurity Act of 2015), including Title I, Cybersecurity Information Sharing, Title II, National Cybersecurity Advancement, Title III, Federal Cybersecurity Workforce Assessment, and Title IV, Other Cyber Matters. The measure represents a compromise between the House and Senate intelligence committees and the House Homeland Security Committee. It includes various components of three separate information sharing bills: H.R. 1560 and H.R. 1731, passed by the House in April 2015, and S. 754, passed by the Senate in October 2015.

| Bill No. | Title | Committee(s) | Date Introduced | Latest Major Action | Date |
|-----------|---|---|--------------------|---|--------------------|
| H.R. 3878 | Strengthening Cybersecurity Information Sharing and Coordination in Our Ports Act of 2015 | Homeland Security; Transportation and Infrastructure | November 2, 2015 | Passed House by voice vote | December 16, 2015 |
| H.R. 4743 | National Cybersecurity Preparedness Consortium Act of 2016 | House Homeland Security and Senate Homeland Security and Governmental Affairs | March 15, 2016 | Passed House | May 16, 2016 |
| H.R. 5064 | Improving Small Business Cyber Security Act of 2016 | Small Business, Homeland Security | April 26, 2016 | Reported by Homeland Security Committee | July 1, 2016 |
| H.R. 5459 | Cyber Preparedness Act of 2016 | Homeland Security | June 16, 2016 | Passed House | September 26, 2016 |
| H.R. 6032 | Data Breach Insurance Act | Ways and Means | September 14, 2016 | Referred to committee | |

Source: Compiled by the Congressional Research Service (CRS) from Congress.gov.

Note: This list includes bills with committee action or a House vote.

Table 4. 114th Congress Legislation: Senate

| Bill No. | Title | Committee(s) | Date Introduced | Latest Major Action | Date |
|------------------------|---|--|-------------------|---|-------------------|
| H.R. 2029 ⁷ | Consolidated Appropriations Act | Appropriations | April 24, 2015 | Became P.L. 114-113 | December 18, 2015 |
| S. 135 | Secure Data Act of 2015 | Commerce, Science, and Transportation | January 8, 2015 | Referred to committee | January 8, 2015 |
| S. 177 | Data Security and Breach Notification Act of 2015 | Commerce, Science, and Transportation | January 13, 2015 | Referred to committee | January 13, 2015 |
| S. 456 | Cyber Threat Sharing Act of 2015 | Homeland Security and Governmental Affairs | February 11, 2015 | Referred to committee | February 11, 2015 |
| S. 754 | Cybersecurity Information Sharing Act of 2015 | Intelligence | March 17, 2015 | Passed Senate 74-21, Roll Call Vote 291 | October 27, 2015 |
| S. 1027 | Data Breach Notification and Punishing Cyber Criminals Acts of 2015 | Commerce, Science and Transportation | April 21, 2015 | Referred to committee | April 21, 2015 |
| S. 1241 | Enhanced Grid Security Act of 2015 | Energy and Natural Resources | May 7, 2015 | Hearings held | June 9, 2015 |

Source: Compiled by CRS from Congress.gov.

⁷ The omnibus law's cybersecurity provisions are located in Division N (Cybersecurity Act of 2015), including Title I, Cybersecurity Information Sharing, Title II, National Cybersecurity Advancement, Title III, Federal Cybersecurity Workforce Assessment, and Title IV, Other Cyber Matters. The measure represents a compromise between the House and Senate intelligence committees and the House Homeland Security Committee. It includes various components of three separate information sharing bills: H.R. 1560 and H.R. 1731, passed by the House in April 2015, and S. 754, passed by the Senate in October 2015.

Table 5. 113th Congress, Major Legislation: Senate

| Bill No. | Title | Committee(s) | Date Introduced | Latest Major Action | Date |
|-----------------|--|---|------------------------|---|-------------------|
| S. 2588 | Cybersecurity Information Sharing Act of 2014 | Intelligence | July 10, 2014 | Reported to Senate without written report | July 10, 2014 |
| S. 2521 | Federal Information Security Modernization Act of 2014 | Homeland Security and Government Affairs | June 24, 2014 | P.L. 113-283 | December 18, 2014 |
| S. 2519 | National Cybersecurity and Communications Integration Center Act of 2014 | Homeland Security and Governmental Affairs | June 24, 2014 | P.L. 113-282 | December 18, 2014 |
| S. 2410 | Carl Levin National Defense Authorization Act for Fiscal Year 2015 | Armed Services | June 2, 2014 | With written S.Rept. 113-176 | June 2, 2014 |
| S. 2354 | DHS Cybersecurity Workforce Recruitment and Retention Act of 2014 | Homeland Security and Government Affairs | May 20, 2014 | With written S.Rept. 113-207 | July 14, 2014 |
| S. 1927 | Data Security Act of 2014 | Banking, Housing, and Urban Affairs | January 15, 2014 | Subcommittee on National Security and International Trade and Finance hearings held | February 3, 2014 |
| S. 1691 | Border Patrol Agent Pay Reform Act of 2014 | Senate Homeland Security and Governmental Affairs; House Oversight and Government Reform; House Homeland Security | November 13, 2013 | P.L. 113-277 | December 18, 2014 |
| S. 1353 | Cybersecurity Act of 2013 | Commerce, Science, and Transportation | July 24, 2013 | P.L. 113-274 | December 18, 2014 |
| S. 1197 | National Defense Authorization for Fiscal Year 2014 | Armed Services | June 20, 2013 | P.L. 113-66 | December 26, 2013 |

Source: Legislative Information System (LIS).

Table 6. 113th Congress, Major Legislation: House

| Bill No. | Title | Committee(s) | Date Introduced | Latest Major Action | Date |
|-----------------|--|--|------------------------|--|-------------------|
| H.R. 4435 | National Defense Authorization Act for Fiscal Year 2015 | Armed Services | April 9, 2014 | Passed/agreed to in House, Roll no. 240 | May 22, 2014 |
| H.R. 3696 | National Cybersecurity and Critical Infrastructure Protection Act | Homeland Security and House Science, Space, and Technology | December 11, 2013 | Passed/agreed to in House, by voice vote | July 28, 2014 |
| H.R. 3635 | Safe and Secure Federal Websites Act of 2014 | House Oversight and Government Reform; Senate Homeland Security and Governmental Affairs | December 3, 2013 | Passed House by voice vote | July 28, 2014 |
| H.R. 3304 | National Defense Authorization Act for Fiscal Year 2014 | House Armed Services; Senate Armed Services | October 22, 2013 | P.L. 113-66 | December 26, 2013 |
| H.R. 3107 | Homeland Security Cybersecurity Boots-on-the-Ground Act | Homeland Security | September 17, 2013 | Passed/agreed to in House, Roll No. 457 | July 28, 2014 |
| H.R. 2952 | Critical Infrastructure Research and Development Advancement Act of 2013 | Homeland Security | August 1, 2013 | P.L. 113-246 | December 18, 2014 |
| H.R. 1163 | Federal Information Security Amendments Act of 2013 | Oversight and Government Reform | March 14, 2013 | Passed House. Referred to Senate Committee on Homeland Security and Governmental Affairs | April 17, 2013 |
| H.R. 967 | Advancing America's Networking and Information Technology Research and Development Act of 2013 | Science, Space, and Technology | March 14, 2013 | Passed House, Roll No. 108. Referred to the Senate Commerce, Science, and Transportation Committee | April 17, 2013 |
| H.R. 756 | Cybersecurity R&D [Research and Development] | Science, Space, and Technology | February 15, 2013 | Passed House, Roll no. 107. Congressional Record text | April 16, 2013 |
| H.R. 624 | Cyber Intelligence Sharing and Protection Act (CISPA) | Permanent Select Committee on Intelligence | February 13, 2013 | Passed House. Roll no. 117. Referred to Senate Select Committee on Intelligence | April 18, 2013 |

Source: LIS.

Hearings in the 115th Congress

The following tables list cybersecurity hearings in the 115th Congress. The tables contain identical content but are organized differently.

Table 7 lists House hearings arranged by date (most recent first), and **Table 8** lists House hearings arranged by committee. **Table 9** lists Senate hearings by date. **Table 10** lists Senate hearings arranged by committee. When viewed in HTML, the document titles are active links to the committee's website for that particular hearing.

Table 7. 115th Congress, House Hearings by Date

| Title | Date | Committee | Subcommittee |
|---|-------------------|---------------------------------|---|
| Small Business Information Sharing: Combating Foreign Cyber Threats | January 30, 2018 | Small Business | |
| CDM, The Future of Federal Cybersecurity? | January 17, 2018 | Homeland Security | Cybersecurity and Infrastructure Protection |
| Examining the Role of the Department of Energy in Energy Sector Cybersecurity | December 8, 2017 | Energy and Commerce | Oversight and Investigations |
| Oversight of IT and Cybersecurity at the Department of Veterans Affairs | December 7, 2017 | Oversight and Government Reform | Information Technology |
| Implementation and Cybersecurity Protocols of the Consolidated Audit Trail | November 30, 2017 | Financial Services | Capital Markets, Securities, and Investment Hearing |
| Cybersecurity of Voting Machines | November 29, 2017 | Oversight and Government Reform | Information Technology |
| Maximizing the Value of Cyber Threat Information Sharing | November 15, 2017 | Homeland Security | Cybersecurity and Infrastructure Protection |
| Federal Government and Small Businesses: Promoting Greater Information Sharing for Stronger Cybersecurity | November 15, 2017 | Small Business | |
| Bolstering the Government's Cybersecurity: A Survey of Compliance with the DHS Directive | November 14, 2017 | Science, Space & Technology | Oversight |
| Securing Consumers' Credit Data in the Age of Digital Commerce | November 1, 2017 | Energy and Commerce | Digital and Consumer Protection |
| Data Security: Vulnerabilities and Opportunities for Improvement | November 1, 2017 | Financial Services | Financial Institutions and Consumer Credit |
| Examining Physical Security and Cybersecurity at Our Nation's Ports (Field Hearing) | October 30, 2017 | Homeland Security | |

| Title | Date | Committee | Subcommittee |
|---|-------------------|--|---|
| Bolstering the Government's Cybersecurity: Assessing the Risk of Kaspersky Lab Products to the Federal Government | October 25, 2017 | Science, Space & Technology | Oversight |
| Continuation of Hearing entitled "Examining the Equifax Data Breach" | October 25, 2017 | Financial Services | |
| Public-Private Solutions to Educating a Cyber Workforce | October 24, 2017 | Homeland Security | Cybersecurity and Infrastructure Protection |
| Examining the Equifax Data Breach | October 5, 2017 | Financial Services | |
| Examining DHS's Cybersecurity Mission | October 3, 2017 | Homeland Security | Cybersecurity and Infrastructure Protection |
| Oversight of the Equifax Data Breach: Answers for Consumers | October 3, 2017 | Energy and Commerce | Digital Commerce and Consumer Protection |
| Cybersecurity of the Internet of Things | October 3, 2017 | Oversight & Government Reform | Information Technology |
| Challenges of Recruiting and Retaining a Cybersecurity Workforce | September 7, 2017 | Homeland Security | Cybersecurity and Infrastructure Protection |
| Protecting Small Businesses from Cyber Attacks: the Cybersecurity Insurance Option | July 26, 2017 | Small Business | |
| Russia Investigative Task Force Hearing with Former Secretary of Homeland Security Jeh Johnson (Open) | June 21, 2017 | Intelligence | |
| Cybersecurity Regulation Harmonization | June 21, 2017 | Homeland Security & Governmental Affairs | |
| Bolstering the Government's Cybersecurity: Lessons Learned from WannaCry | June 15, 2017 | Science, Space and Technology | Research & Technology and Oversight (Joint) |
| Examining the Role of the Department of Health and Human Services in Health Care Cybersecurity | June 8, 2017 | Energy and Commerce | Oversight and Investigations |

| Title | Date | Committee | Subcommittee |
|---|-------------------|---------------------------------|---|
| Fiscal Year 2018 Budget Request for U.S. Cyber Command: Cyber Mission Force Support to Department of Defense Operations | May 23, 2017 | Armed Services | Emerging Threats and Capabilities |
| Reviewing the FAFSA Data Breach | May 3, 2017 | Oversight and Government Reform | |
| Reviewing Federal IT Workforce Challenges and Possible Solutions | April 4, 2017 | Oversight and Government Reform | Information Technology |
| The Current State of DHS' Efforts to Secure Federal Networks | March 28, 2017 | Homeland Security | Cybersecurity and Infrastructure Protection |
| A Borderless Battle: Defending Against Cyber Threats | March 22, 2017 | Homeland Security | |
| The Current State of DHS Private Sector Engagement for Cybersecurity | March 9, 2017 | Homeland Security | Cybersecurity and Infrastructure Protection |
| Coordinating Federal Cybersecurity Resources for Small Businesses | March 8, 2017 | Small Business | |
| Cyber Warfare in the 21 st Century: Threats, Challenges and Opportunities | March 1, 2017 | Armed Services | |
| Strengthening U.S. Cybersecurity Capabilities | February 14, 2017 | Science | Research & Technology |
| The Electricity Sector's Efforts to Respond to Cybersecurity Threats | February 1, 2017 | Energy & Commerce | |

Source: Compiled by CRS from Congress.gov.

Table 8. 115th Congress, House Hearings by Committee

| Committee | Subcommittee | Title | Date |
|---------------------|---|---|-------------------|
| Armed Services | Emerging Threats and Capabilities | Fiscal Year 2018 Budget Request for U.S. Cyber Command: Cyber Mission Force Support to Department of Defense Operations | May 23, 2017 |
| Armed Services | | Cyber Warfare in the 21 st Century: Threats, Challenges and Opportunities | March 1, 2017 |
| Energy and Commerce | Oversight and Investigations | Examining the Role of the Department of Energy in Energy Sector Cybersecurity | December 8, 2017 |
| Energy and Commerce | Digital and Consumer Protection | Securing Consumers' Credit Data in the Age of Digital Commerce | November 1, 2017 |
| Energy and Commerce | Digital and Consumer Protection | Oversight of the Equifax Data Breach: Answers for Consumers | October 3, 2017 |
| Energy & Commerce | Oversight and Investigations | Examining the Role of the Department of Health and Human Services in Health Care Cybersecurity | June 8, 2017 |
| Energy & Commerce | | The Electricity Sector's Efforts to Respond to Cybersecurity Threats | February 1, 2017 |
| Financial Services | Financial Institutions and Consumer Credit | Implementation and Cybersecurity Protocols of the Consolidated Audit Trail | November 30, 2017 |
| Financial Services | Financial Institutions and Consumer Credit | Data Security: Vulnerabilities and Opportunities for Improvement | November 1, 2017 |
| Financial Services | | Continuation of Hearing entitled "Examining the Equifax Data Breach" | October 25, 2017 |
| Financial Services | | Examining the Equifax Data Breach | October 5, 2017 |
| Homeland Security | Cybersecurity and Infrastructure Protection | CDM, The Future of Federal Cybersecurity? | January 17, 2018 |
| Homeland Security | Cybersecurity and Infrastructure Protection | Maximizing the Value of Cyber Threat Information Sharing | November 15, 2017 |
| Homeland Security | | Examining Physical Security and Cybersecurity at Our Nation's Ports (Field Hearing) | October 30, 2017 |

| Committee | Subcommittee | Title | Date |
|---------------------------------|---|---|-------------------|
| Homeland Security | Cybersecurity and Infrastructure Protection | Public-Private Solutions to Educating a Cyber Workforce | October 24, 2017 |
| Homeland Security | Cybersecurity and Infrastructure Protection | Examining DHS's Cybersecurity Mission | October 3, 2017 |
| Homeland Security | Cybersecurity and Infrastructure Protection | Challenges of Recruiting and Retaining a Cybersecurity Workforce | September 7, 2017 |
| Homeland Security | | Cybersecurity Regulation Harmonization | June 21, 2017 |
| Homeland Security | Cybersecurity and Infrastructure Protection | The Current State of DHS' Efforts to Secure Federal Networks | March 28, 2017 |
| Homeland Security | | A Borderless Battle: Defending Against Cyber Threats | March 22, 2017 |
| Homeland Security | Cybersecurity and Infrastructure Protection | The Current State of DHS Private Sector Engagement for Cybersecurity | March 9, 2017 |
| Intelligence | | Russia Investigative Task Force Hearing with Former Secretary of Homeland Security Jeh Johnson (Open) | June 21, 2017 |
| Oversight and Government Reform | Information Technology | Oversight of IT and Cybersecurity at the Department of Veterans Affairs | December 7, 2017 |
| Oversight and Government Reform | Information Technology | Cybersecurity of Voting Machines | November 29, 2017 |
| Oversight and Government Reform | Information Technology | Cybersecurity of the Internet of Things | October 3, 2017 |
| Oversight and Government Reform | | Reviewing the FAFSA Data Breach | May 3, 2017 |
| Oversight and Government Reform | Information Technology | Reviewing Federal IT Workforce Challenges and Possible Solutions | April 4, 2017 |
| Science, Space and Technology | Oversight | Bolstering the Government's Cybersecurity: A Survey of Compliance with the DHS Directive | November 14, 2017 |
| Science, Space and Technology | Oversight | Bolstering the Government's Cybersecurity: Assessing the Risk of Kaspersky Lab Products to the Federal Government | October 25, 2017 |
| Science, Space and Technology | Research & Technology and Oversight (Joint) | Bolstering the Government's Cybersecurity: Lessons Learned from WannaCry | June 15, 2017 |

| Committee | Subcommittee | Title | Date |
|-------------------------------|-----------------------|---|-------------------|
| Science, Space and Technology | Research & Technology | Strengthening U.S. Cybersecurity Capabilities | February 14, 2017 |
| Small Business | | Small Business Information Sharing: Combating Foreign Cyber Threats | January 30, 2018 |
| Small Business | | Federal Government and Small Businesses: Promoting Greater Information Sharing for Stronger Cybersecurity | November 15, 2017 |
| Small Business | | Protecting Small Businesses from Cyber Attacks: the Cybersecurity Insurance Option | July 26, 2017 |
| Small Business | | Coordinating Federal Cybersecurity Resources for Small Businesses | March 8, 2017 |

Source: Compiled by CRS from Congress.gov.

Table 9. 115th Congress, Senate Hearings by Date

| Title | Date | Committee | Subcommittee |
|---|--------------------|--|---|
| Protecting Consumers in the Era of Major Data Breaches | November 8, 2017 | Commerce, Science and Transportation | |
| 2020 Census: Examining Cost Overruns, Information Security, and Accuracy | October 31, 2017 | Homeland Security & Governmental Affairs | |
| Cyber Technology and Energy Infrastructure | October 26, 2017 | Energy and Natural Resources | |
| Roles and Responsibilities for Defending the Nation from Cyber Attack | October 19, 2017 | Armed Services | |
| Consumer Data Security and the Credit Bureaus Files | October 17, 2017 | Banking, Housing and Urban Affairs | |
| An Examination of the Equifax Cybersecurity Breach | October 4, 2017 | Banking, Housing and Urban Affairs | |
| Equifax: Continuing to Monitor Data-Broker Cybersecurity | October 4, 2017 | Judiciary | Privacy, Technology and the Law |
| Examining the Fintech Landscape | September 12, 2017 | Banking, Housing and Urban Affairs | |
| Open Hearing: Russian Interference in the 2016 U.S. Elections | June 21, 2017 | Select Committee on Intelligence | |
| State-Sponsored Cyberspace Threats: Recent Incidents and U.S. Policy Response | June 13, 2017 | Foreign Relations | East Asia, the Pacific, and International Cybersecurity |
| Cyber Posture of the Services | May 23, 2017 | Armed Services | |
| Cyber Policy, Strategy, and Organization | May 11, 2017 | Armed Services | |
| Worldwide Threats | May 11, 2017 | Select Committee on Intelligence | |
| Cyber Threats Facing America: An Overview of the Cybersecurity Threat Landscape | May 10, 2017 | Homeland Security and Governmental Affairs | |
| United States Cyber Command | May 9, 2017 | Armed Services | |
| Cyber-enabled Information Operations | April 27 2017 | Armed Services | Cybersecurity |

| Title | Date | Committee | Subcommittee |
|--|------------------|--------------------------------------|--|
| American Leadership in the Asia-Pacific, Part I: Security Issues | March 29, 2017 | Foreign Relations | East Asia, The Pacific, and International Cybersecurity Policy |
| Cybersecurity threats to the U.S. electric grid and technology advancements to maximize such threats, including S. 79, the “Securing Energy Infrastructure Act.” | March 28, 2017 | Energy & Natural Resources | Energy |
| The Promises and Perils of Emerging Technologies for Cybersecurity | March 22, 2017 | Commerce, Science and Transportation | |
| Cyber Strategy and Policy | March 2, 2017 | Armed Services | |
| CLOSED: Cyber Threats | February 7, 2017 | Armed Services | |
| Foreign Cyber Threats to the United States | January 5, 2017 | Armed Services | |

Source: Compiled by CRS from Congress.gov.

Table 10. 115th Congress, Senate Hearings by Committee

| Committee | Subcommittee | Title | Date |
|--------------------------------------|--|---|--------------------|
| Armed Services | | Roles and Responsibilities for Defending the Nation from Cyber Attack | October 19, 2017 |
| Armed Services | | Cyber Posture of the Services | May 23, 2017 |
| Armed Services | | United States Cyber Command | May 9, 2017 |
| Armed Services | Cybersecurity | Cyber-enabled Information Operations | April 27 2017 |
| Armed Services | | Cyber Strategy and Policy | March 2, 2017 |
| Armed Services | | CLOSED: Cyber Threats | February 7, 2017 |
| Armed Services | | Foreign Cyber Threats to the United States | January 5, 2017 |
| Banking, Housing and Urban Affairs | | Consumer Data Security and the Credit Bureaus Files | October 17, 2017 |
| Banking, Housing and Urban Affairs | | An Examination of the Equifax Cybersecurity Breach | October 4, 2017 |
| Banking, Housing and Urban Affairs | | Examining the Fintech Landscape | September 12, 2017 |
| Commerce, Science and Transportation | | Protecting Consumers in the Era of Major Data Breaches | November 8, 2017 |
| Commerce, Science and Transportation | | The Promises and Perils of Emerging Technologies for Cybersecurity | March 22, 2017 |
| Energy & Natural Resources | | Cyber Technology and Energy Infrastructure | October 26, 2017 |
| Energy & Natural Resources | Energy | Cybersecurity threats to the U.S. electric grid and technology advancements to maximize such threats, including S. 79, the "Securing Energy Infrastructure Act. | March 28, 2017 |
| Foreign Relations | East Asia, The Pacific, and International Cybersecurity Policy | State-Sponsored Cyberspace Threats: Recent Incidents and U.S. Policy Response | June 13, 2017 |

| Committee | Subcommittee | Title | Date |
|--|--|---|------------------|
| Foreign Relations | East Asia, The Pacific, and International Cybersecurity Policy | American Leadership in the Asia-Pacific, Part I: Security Issues | March 29, 2017 |
| Homeland Security and Governmental Affairs | | 2020 Census: Examining Cost Overruns, Information Security, and Accuracy | October 31, 2017 |
| Homeland Security and Governmental Affairs | | Cyber Threats Facing America: An Overview of the Cybersecurity Threat Landscape | May 10, 2017 |
| Judiciary | Privacy, Technology and the Law | Equifax: Continuing to Monitor Data-Broker Cybersecurity | October 4, 2017 |
| Select Committee on Intelligence | | Open Hearing: Russian Interference in the 2016 U.S. Elections | June 21, 2017 |

Source: Compiled by CRS from Congress.gov.

Hearings in the 114th Congress

The following tables list cybersecurity hearings in the 114th Congress. The tables contain identical content but are organized differently.

Table 11 lists Senate hearings arranged by date. **Table 12** lists Senate hearings arranged by committee. **Table 13** lists House hearings arranged by date (most recent first), and **Table 14** lists House hearings arranged by committee. When viewed in HTML, the document titles are active links to the committee's website for that particular hearing.

Table 11. 114th Congress, Senate Hearings, by Date

| Title | Date | Committee | Subcommittee |
|---|--------------------|--|---|
| Encryption and Cyber Matters | September 13, 2016 | Armed Services | |
| Cybersecurity and U.S. National Security | July 14, 2016 | Armed Services | |
| How the Internet of Things (IoT) Can Bring U.S. Transportation and Infrastructure into the 21 st Century | June 28, 2016 | Commerce, Science and Transportation | Surface Transportation and Merchant Marine Infrastructure, Safety, and Security |
| International Cybersecurity Strategy: Deterring Foreign Threats and Building Global Cyber Norms | May 25, 2016 | Foreign Relations | East Asia, the Pacific, and International Cybersecurity Policy |
| Assessing the Security of Critical Infrastructure: Threat, Vulnerabilities, and Solutions | May 18, 2016 | Homeland Security and Governmental Affairs | |
| Ransomware: Understanding the Threat and Exploring Solutions | May 18, 2016 | Judiciary | |
| CLOSED: Cybersecurity and United States Cyber Command | April 19, 2016 | Armed Services | |
| Cybersecurity and Protecting Taxpayer Information | April 12, 2016 | Finance | |
| U.S. Cyber Command | April 5, 2016 | Armed Services | |
| Data Brokers – Is Consumers’ Information Secure? | November 3, 2015 | Judiciary | Privacy, Technology and the Law |
| Threats to the Homeland | October 8, 2015 | Homeland Security and Governmental Affairs | |
| The Changing Landscape of U.S.-China Relations: What’s Next? | September 29, 2015 | Foreign Relations | East Asia, The Pacific, and International Cybersecurity Policy |
| United States Cybersecurity Policy and Threats | September 29, 2015 | Armed Services | |
| Intelligence Issues | September 24, 2015 | Intelligence | |
| Protecting the Electric Grid from the Potential Threats of Solar Storms and Electromagnetic Pulse | July 22, 2015 | Homeland Security and Governmental Affairs | |

| Title | Date | Committee | Subcommittee |
|--|-------------------|--|---|
| Counterterrorism, Counterintelligence, and the Challenges of “Going Dark” | July 8, 2015 | Intelligence | |
| Cyber Crime: Modernizing our Legal Framework for the Information Age | July 8, 2015 | Judiciary | |
| Under Attack: Federal Cybersecurity and the OPM Data Breach | June 25, 2015 | Homeland Security and Governmental Affairs | |
| OPM Information Technology Spending & Data Security | June 23, 2015 | Appropriations | Financial Services and General Government |
| Hearing on Energy Accountability and Reform Legislation (including S. 1241, Enhanced Grid Security Act of 2015) | June 9, 2015 | Energy and Natural Resources | |
| The IRS Data Breach: Steps to Protect Americans’ Personal Information | June 2, 2015 | Homeland Security and Governmental Affairs | |
| Cybersecurity: Setting the Rules for Responsible Global Cyber Behavior | May 14, 2015 | Foreign Relations | East Asia, The Pacific, And International Cybersecurity Policy |
| Military Cyber Programs and Posture | April 15, 2015 | Armed Services | Emerging Threats and Capabilities |
| From Protection to Partnership: Funding the DHS role in Cybersecurity | April 15, 2015 | Appropriations | Homeland Security |
| Examining the Evolving Cyber Insurance Marketplace | March 19, 2015 | Commerce, Science and Transportation | Consumer Protection, Product Safety, Insurance and Data Security |
| U.S. Strategic Command, U.S. Transportation Command, and U.S. Cyber Command in review of the Defense Authorization Request for Fiscal Year 2016 and the Future Years Defense Program | March 19, 2015 | Armed Services | |
| The Connected World: Examining the Internet of Things | February 11, 2015 | Commerce, Science & Transportation | |
| Getting it Right on Data Breach and Notification Legislation in the 114 th Congress | February 5, 2015 | Commerce, Science & Transportation | Consumer Protection, Product Safety, Insurance, and Data Security |

| Title | Date | Committee | Subcommittee |
|--|------------------|--|--------------|
| Building a More Secure Cyber Future: Examining Private Sector Experience with the NIST Framework | February 4, 2015 | Commerce, Science & Transportation | |
| Protecting America from Cyber Attacks: The Importance of Information Sharing | January 28, 2015 | Homeland Security and Governmental Affairs | |

Source: Compiled by CRS from Congress.gov.

Table 12. 114th Congress, Senate Hearings, by Committee

| Committee | Subcommittee | Title | Date |
|----------------|---|--|--------------------|
| Appropriations | Financial Services and General Government | OPM Information Technology Spending & Data Security | June 23, 2015 |
| Appropriations | Homeland Security | From Protection to Partnership: Funding the DHS role in Cybersecurity | April 15, 2015 |
| Armed Services | | Encryption and Cyber Matters | September 13, 2016 |
| Armed Services | | Cybersecurity and U.S. National Security | July 14, 2016 |
| Armed Services | | CLOSED: Cybersecurity and United States Cyber Command | April 19, 2016 |
| Armed Services | | U.S. Cyber Command | April 5, 2016 |
| Armed Services | | United States Cybersecurity Policy and Threats | September 30, 2015 |
| Armed Services | Emerging Threats and Capabilities | Military Cyber Programs and Posture | April 15, 2015 |
| Armed Services | | U.S. Strategic Command, U.S. Transportation Command, and U.S. Cyber Command in review of the Defense Authorization Request for Fiscal Year 2016 and the Future Years Defense Program | March 19, 2015 |

| Committee | Subcommittee | Title | Date |
|--|---|---|--------------------|
| Commerce, Science and Transportation | Surface Transportation and Merchant Marine Infrastructure, Safety, and Security | How the Internet of Things (IoT) Can Bring U.S. Transportation and Infrastructure into the 21 st Century | June 28, 2016 |
| Commerce, Science and Transportation | Consumer Protection, Product Safety, Insurance and Data Security | Examining the Evolving Cyber Insurance Marketplace | March 19, 2015 |
| Commerce, Science & Transportation | | The Connected World: Examining the Internet of Things | February 11, 2015 |
| Commerce, Science & Transportation | | Getting it Right on Data Breach and Notification Legislation in the 114 th Congress | February 5, 2015 |
| Commerce, Science & Transportation | | Building a More Secure Cyber Future: Examining Private Sector Experience with the NIST Framework | February 4, 2015 |
| Energy and Natural Resources | | Hearing on Energy Accountability and Reform Legislation (including S. 1241, Enhanced Grid Security Act of 2015) | June 9, 2015 |
| Financial Services | | A Global Perspective on Cyber Threats | June 16, 2015 |
| Finance | | Cybersecurity and Protecting Taxpayer Information | April 12, 2016 |
| Foreign Relations | East Asia, The Pacific, And International Cybersecurity Policy | The Changing Landscape of U.S.-China Relations: What's Next? | September 29, 2015 |
| Foreign Relations | East Asia, The Pacific, And International Cybersecurity Policy | Cybersecurity: Setting the Rules for Responsible Global Cyber Behavior | May 14, 2015 |
| Homeland Security and Governmental Affairs | | Assessing the Security of Critical Infrastructure: Threat, Vulnerabilities, and Solutions | May 18, 2016 |
| Homeland Security and Governmental Affairs | | Threats to the Homeland | October 8, 2015 |
| Homeland Security and Governmental Affairs | | Protecting the Electric Grid from the Potential Threats of Solar Storms and Electromagnetic Pulse | July 22, 2015 |

| Committee | Subcommittee | Title | Date |
|--|--------------|--|--------------------|
| Homeland Security and Governmental Affairs | | Under Attack: Federal Cybersecurity and the OPM Data Breach | June 25, 2015 |
| Homeland Security and Governmental Affairs | | The IRS Data Breach: Steps to Protect Americans' Personal Information | June 2, 2015 |
| Homeland Security and Governmental Affairs | | Protecting America from Cyber Attacks: The Importance of Information Sharing | January 28, 2015 |
| Intelligence | | Intelligence Issues | September 24, 2015 |
| Intelligence | | Counterterrorism, Counterintelligence, and the Challenges of "Going Dark" | July 8, 2015 |
| Judiciary | | Ransomware: Understanding the Threat and Exploring Solutions | May 18, 2016 |
| Judiciary | | Data Brokers – Is Consumers' Information Secure? | November 3, 2015 |
| Judiciary | | Cyber Crime: Modernizing our Legal Framework for the Information Age | July 8, 2015 |

Source: Compiled by CRS from Congress.gov.

Table 13. 114th Congress, House Hearings, by Date

| Title | Date | Committee | Subcommittee |
|---|--------------------|---------------------------------|--|
| Cybersecurity: Ensuring the Integrity of the Ballot Box | September 28, 2016 | Oversight and Government Reform | Information Technology |
| Protecting the 2016 Elections from Cyber and Voting Machine Attacks | September 13, 2016 | Science, Space & Technology | |
| Evaluating FDIC's Response to Major Data Breaches: Is the FDIC Safeguarding Consumers' Banking Information? | July 14, 2016 | Science | |
| Digital Acts of War: Evolving the Cybersecurity Conversation | July 13, 2016 | Oversight and Government Reform | National Security and Information Technology (Joint) |
| The Value of DHS's Vulnerability Assessments in Protecting Our Nation's Critical Infrastructure | July 12, 2016 | Homeland Security | Cybersecurity, Infrastructure Protection and Security Technologies |
| Foreign Cyber Threats: Small Business, Big Target | July 7, 2016 | Small Business | |
| Military Cyber Operations | June 22, 2016 | Armed Services | |
| Federal Efforts to Improve Cybersecurity (Field Hearing: Chicago) | June 20, 2016 | Oversight and Government Reform | Information Technology |
| Oversight of the Cybersecurity Act of 2015 | June 15, 2016 | Homeland Security | Cybersecurity, Infrastructure Protection and Security Technologies |
| Examining Cybersecurity Responsibilities at HHS | May 25, 2016 | Energy and Commerce | |
| Enhancing Preparedness and Response Capabilities to Address Cyber Threats | May 24, 2016 | Homeland Security | Emergency Preparedness, Response and Communications AND Cybersecurity, Infrastructure Protection and Security Technologies |
| FDIC Data Breaches: Can Americans Trust that Their Private Banking Information Is Secure? | May 12, 2016 | Science, Space & Technology | Oversight |
| Federal Cybersecurity Detection, Response, and Mitigation | April 20, 2016 | Oversight and Government Reform | Information Technology |

| Title | Date | Committee | Subcommittee |
|--|-------------------|-----------------------------------|---|
| Small Business and the Federal Government: How Cyber-Attacks Threaten Both | April 20, 2016 | Small Business | |
| Hearing on Tax Return Filing Season (focusing on efforts to protect Americans from identity theft related tax fraud and cybersecurity attacks) | April 19, 2016 | Ways and Means | Oversight |
| Blackout! Are We Prepared to Manage the Aftermath of a Cyber-Attack or Other Failure of the Electrical Grid? | April 14, 2016 | Transportation and Infrastructure | Economic Development, Public Buildings and Emergency Management |
| Can the IRS Protect Taxpayers' Personal Information? | April 14, 2016 | Science, Space and Technology | Research and Technology |
| Cyber Preparedness and Response at the Local Level (Field Hearing) | April 7, 2016 | Homeland Security | Cybersecurity, Infrastructure Protection and Security Technologies |
| Fiscal Year 2017 Information Technology and Cyber Programs: Foundations for a Secure Warfighting Network | March 23, 2016 | Armed Services | Emerging Threats and Capabilities |
| The Role of Cyber Insurance in Risk Management | March 22, 2016 | Homeland Security | Cybersecurity, Infrastructure Protection and Security Technologies |
| VA Cybersecurity and IT Oversight | March 16, 2016 | Oversight and Government Reform | Information Technology |
| Fiscal 2017 Budget Request for the Department of Homeland Security and Readiness | March 16, 2016 | Homeland Security | |
| Fiscal Year 2017 Budget Request for U.S. Cyber Command: Preparing for Operations in the Cyber Domain | March 16, 2016 | Armed Services | Emerging Threats and Capabilities |
| FY 2017 Budget Hearing - Office of Personnel Management | March 14, 2016 | Appropriations | Financial Services and General Government |
| Emerging Cyber Threats to the United States | February 25, 2016 | Homeland Security | Cybersecurity, Infrastructure Protection, and Security Technologies |

| Title | Date | Committee | Subcommittee |
|--|--------------------|---------------------------------|--|
| U.S. Department of Education: Investigation of the CIO | February 2, 2016 | Oversight and Government Reform | |
| Wassenaar: Cybersecurity and Export Control | January 12, 2016 | Oversight and Government Reform | Information Technology |
| Cyber Security: What the Federal Government Can Learn from the Private Sector | January 8, 2016 | Science, Space & Technology | Research and Technology |
| Document Production Status Update (OPM data breaches) | January 7, 2016 | Oversight and Government Reform | |
| The Internet of Cars | November 18, 2015 | Oversight and Government Reform | Transportation and Public Assets |
| U.S. Department of Education: Information Security Review | November 17, 2015 | Oversight and Government Reform | |
| Cybersecurity for Power Systems | October 21, 2015 | Science, Space and Technology | Energy Subcommittee and Research and Technology Subcommittee |
| Protecting Maritime Facilities in the 21 st Century: Are Our Nation's Ports at Risk for a Cyber-Attack? | October 8, 2015 | Homeland Security | |
| The EMV Deadline and What it Means for Small Business | October 7, 2015 | Small Business | |
| Examining the Mission, Structure, and Reorganization Effort of the National Protection and Programs Directorate | October 7, 2015 | Homeland Security | Cybersecurity, Infrastructure Protection, and Security |
| Implementing the Department of Defense Cyber Strategy | September 30, 2015 | Armed Services | |
| The State of the Cloud | September 22, 2015 | Oversight and Government Reform | Information Technology (field hearing University of Texas-San Antonio) |
| Examining Vulnerabilities of America's Power Supply | September 10, 2015 | Science, Space & Technology | Oversight/Energy |
| World Wide Cyber Threats | September 10, 2015 | Intelligence | |
| Internet of Things | July 29, 2015 | Judiciary | |

| Title | Date | Committee | Subcommittee |
|--|----------------|---------------------------------|---|
| Promoting and Incentivizing Cybersecurity Best Practices | July 28, 2015 | Homeland Security | Cybersecurity, Infrastructure Protection, and Security Technologies |
| Cybersecurity: The Department of the Interior | July 15, 2015 | Oversight and Government Reform | Information Technology AND Subcommittee on Interior (Joint hearing) |
| Is the OPM [Office of Personnel Management] Data Breach the Tip of the Iceberg? | July 8, 2015 | Science, Space and Technology | Research and Technology |
| DHS' Efforts to Secure.Gov | June 24, 2015 | Homeland Security | Cybersecurity, Infrastructure Protection and Security Technology |
| OPM Data Breach: Part II | June 24, 2015 | Oversight and Government Reform | |
| Evaluating the Security of the U.S. Financial Sector (Task Force to Investigate Terrorism Financing) | June 24, 2015 | Financial Services | |
| OPM Data Security Review | June 23, 2015 | Appropriations | Financial Services and General Government |
| OPM: Data Breach | June 16, 2015 | Oversight and Government Reform | |
| A Global Perspective on Cyber Threats | June 16, 2015 | Financial Services | |
| Protecting Critical Infrastructure: How the Financial Sector Addresses Cyber Threats | May 19, 2015 | Financial Services | Financial Institutions and Consumer Credit |
| Protecting Consumers: Financial Data Security in the Age of Computer Hackers | May 14, 2015 | Financial Services | |
| Enhancing Cybersecurity of Third-Party Contractors and Vendors | April 22, 2015 | Oversight and Government Reform | |
| Small Business, Big Threat: Protecting Small Businesses from Cyber Attacks | April 22, 2015 | Small Business | |
| Full committee meets to formulate a rule on H.R. 1560, the "Protecting Cyber Networks Act"; and H.R. 1731, the "National Cybersecurity Protection Advancement Act of 2015" | April 21, 2015 | Rules | |

| Title | Date | Committee | Subcommittee |
|--|-------------------|---------------------------------|---|
| [CLOSED] Special Activities | April 15, 2015 | Intelligence | National Security Agency and Cybersecurity |
| The Internet of Things: Exploring the Next Technology Frontier | March 24, 2015 | Energy and Commerce | Commerce, Manufacturing and Trade |
| The Growing Cyber Threat and its Impact on American Business | March 19, 2015 | Intelligence | |
| Discussion Draft of H.R. 1704, Data Security and Breach Notification Act of 2015 | March 18, 2015 | Energy and Commerce | Commerce, Manufacturing, and Trade |
| Cybersecurity: The Evolving Nature of Cyber Threats Facing the Private Sector | March 18, 2015 | Oversight and Government Reform | Information Technology |
| Industry Perspectives on the President's Cybersecurity Information Sharing Proposal | March 4, 2015 | Homeland Security | Cybersecurity, Infrastructure Protection and Security Technologies |
| Cyber Operations: Improving the Military Cyber Security Posture in an Uncertain Threat Environment | March 4, 2015 | Armed Services | Emerging Threats and Capabilities |
| Understanding the Cyber Threat and Implications for the 21 st Century Economy | March 3, 2015 | Energy and Commerce | Oversight and Investigations |
| Examining the President's Cybersecurity Information Sharing Proposal | February 25, 2015 | Homeland Security | |
| Emerging Threats and Technologies to Protect the Homeland | February 12, 2015 | Homeland Security | Cybersecurity, Infrastructure Protection, and Security Technologies |
| The Expanding Cyber Threat | January 27, 2015 | Science, Space & Technology | Research and Technology |
| What are the Elements of Sound Data Breach Legislation? | January 27, 2015 | Energy and Commerce | |
| Briefing: The North Korean Threat: Nuclear, Missiles and Cyber | January 13, 2015 | Foreign Affairs | |

Source: Compiled by CRS from Congress.gov.

Table 14. 114th Congress, House Hearings, by Committee

| Committee | Subcommittee | Title | Date |
|---------------------|---|--|--------------------|
| Appropriations | Financial Services and General Government | FY 2017 Budget Hearing - Office of Personnel Management | March 14, 2016 |
| Armed Services | | Military Cyber Operations | June 22, 2016 |
| Armed Services | Emerging Threats and Capabilities | Fiscal Year 2017 Information Technology and Cyber Programs: Foundations for a Secure Warfighting Network | March 23, 2016 |
| Armed Services | Emerging Threats and Capabilities | Fiscal Year 2017 Budget Request for U.S. Cyber Command: Preparing for Operations in the Cyber Domain | March 16, 2016 |
| Armed Services | | Implementing the Department of Defense Cyber Strategy | September 30, 2015 |
| Armed Services | Emerging Threats and Capabilities | Cyber Operations: Improving the Military Cyber Security Posture in an Uncertain Threat Environment | March 4, 2015 |
| Energy and Commerce | | Examining Cybersecurity Responsibilities at HHS | May 25, 2016 |
| Energy and Commerce | Commerce, Manufacturing, and Trade | The Internet of Things: Exploring the Next Technology Frontier | March 24, 2015 |
| Energy and Commerce | Commerce, Manufacturing, and Trade | Discussion Draft of H.R. 1704, Data Security and Breach Notification Act | March 18, 2015 |
| Energy and Commerce | Oversight and Investigations | Understanding the Cyber Threat and Implications for the 21 st Century Economy | March 3, 2015 |
| Energy and Commerce | | What are the Elements of Sound Data Breach Legislation? | January 27, 2015 |
| Financial Services | | Evaluating the Security of the U.S. Financial Sector (Task Force to Investigate Terrorism Financing) | June 24, 2015 |

| Committee | Subcommittee | Title | Date |
|--------------------|--|--|-------------------|
| Financial Services | Financial Institutions and Consumer Credit | Protecting Critical Infrastructure: How the Financial Sector Addresses Cyber Threats | May 19, 2015 |
| Financial Services | | Protecting Consumers: Financial Data Security in the Age of Computer Hackers | May 14, 2015 |
| Foreign Affairs | | Briefing: The North Korean Threat: Nuclear, Missiles and Cyber | January 13, 2015 |
| Homeland Security | Cybersecurity, Infrastructure Protection and Security Technologies | The Value of DHS's Vulnerability Assessments in Protecting Our Nation's Critical Infrastructure | July 12, 2016 |
| Homeland Security | Cybersecurity, Infrastructure Protection and Security Technologies | Oversight of the Cybersecurity Act of 2015 | June 15, 2016 |
| Homeland Security | Cybersecurity, Infrastructure Protection and Security Technologies | Enhancing Preparedness and Response Capabilities to Address Cyber Threats | May 24, 2016 |
| Homeland Security | Cybersecurity, Infrastructure Protection and Security Technologies | Cyber Preparedness and Response at the Local Level (Field Hearing) | April 7, 2016 |
| Homeland Security | Cybersecurity, Infrastructure Protection and Security Technologies | The Role of Cyber Insurance in Risk Management | March 22, 2016 |
| Homeland Security | | Fiscal 2017 Budget Request for the Department of Homeland Security and Readiness | March 16, 2016 |
| Homeland Security | Cybersecurity, Infrastructure Protection and Security Technologies | Emerging Cyber Threats to the United States | February 25, 2016 |
| Homeland Security | | Protecting Maritime Facilities in the 21 st Century: Are Our Nation's Ports at Risk for a Cyber-Attack? | October 8, 2015 |
| Homeland Security | Cybersecurity, Infrastructure Protection and Security Technologies | Examining the Mission, Structure, and Reorganization Effort of the National Protection and Programs Directorate | October 7, 2015 |

| Committee | Subcommittee | Title | Date |
|---------------------------------|---|---|--------------------|
| Homeland Security | Cybersecurity, Infrastructure Protection, and Security Technologies | Promoting and Incentivizing Cybersecurity Best Practices | July 28, 2015 |
| Homeland Security | Cybersecurity, Infrastructure Protection and Security Technologies | Oversight and Government Reform | June 24, 2015 |
| Homeland Security | Cybersecurity, Infrastructure Protection and Security Technologies | Industry Perspectives on the President's Cybersecurity Information Sharing Proposal | March 4, 2015 |
| Homeland Security | | Examining the President's Cybersecurity Information Sharing Proposal | February 25, 2015 |
| Homeland Security | Cybersecurity, Infrastructure Protection, and Security Technologies | Emerging Threats and Technologies to Protect the Homeland | February 12, 2015 |
| Intelligence | | World Wide Cyber Threats | September 10, 2015 |
| Intelligence | National Security Agency and Cybersecurity | [CLOSED] Special Activities | April 15, 2015 |
| Intelligence | | The Growing Cyber Threat and its Impact on American Business | March 19, 2015 |
| Judiciary | | Internet of Things | July 29, 2015 |
| Oversight and Government Reform | Information Technology | Cybersecurity: Ensuring the Integrity of the Ballot Box | September 28, 2016 |
| Oversight and Government Reform | Information Technology and National Security (Joint) | Digital Acts of War: Evolving the Cybersecurity Conversation | July 13, 2016 |
| Oversight and Government Reform | Information Technology | Federal Efforts to Improve Cybersecurity (Field Hearing: Chicago) | June 20, 2016 |
| Oversight and Government Reform | Information Technology | Federal Cybersecurity Detection, Response, and Mitigation | April 20, 2016 |
| Oversight and Government Reform | Information Technology | VA Cybersecurity and IT Oversight | March 16, 2016 |
| Oversight and Government Reform | | U.S. Department of Education: Investigation of the CIO | February 2, 2016 |

| Committee | Subcommittee | Title | Date |
|---------------------------------|--|--|--------------------|
| Oversight and Government Reform | Information Technology | Wassenaar: Cybersecurity and Export Control | January 12, 2016 |
| Oversight and Government Reform | | Document Production Status (OPM data breaches) | January 7, 2016 |
| Oversight and Government Reform | Transportation and Public Assets | The Internet of Cars | November 18, 2015 |
| Oversight and Government Reform | | U.S. Department of Education: Information Security Review | November 17, 2015 |
| Oversight and Government Reform | Information Technology (field hearing University of Texas-San Antonio) | The State of the Cloud | September 22, 2015 |
| Oversight and Government Reform | Information Technology AND Subcommittee on Interior (joint hearing) | Cybersecurity: The Department of the Interior | July 15, 2015 |
| Oversight and Government Reform | | OPM Data Breach: Part II | June 24, 2015 |
| Oversight and Government Reform | | OPM: Data Breach | June 16, 2015 |
| Oversight and Government Reform | | Enhancing Cybersecurity of Third-Party Contractors and Vendors | April 22, 2015 |
| Oversight and Government Reform | Information Technology | Cybersecurity: The Evolving Nature of Cyber Threats Facing the Private Sector | March 18, 2015 |
| Rules | | Full committee meets to formulate a rule on H.R. 1560, the “Protecting Cyber Networks Act”; and H.R. 1731, the “National Cybersecurity Protection Advancement Act of 2015” | April 21, 2015 |
| Science, Space & Technology | | Protecting the 2016 Elections from Cyber and Voting Machine Attacks | September 13, 2016 |
| Science, Space & Technology | | Evaluating FDIC’s Response to Major Data Breaches: Is the FDIC Safeguarding Consumers’ Banking Information? | July 14, 2016 |
| Science, Space & Technology | Oversight and Energy (Joint) | Examining Vulnerabilities of America’s Power Supply | September 10, 2015 |

| Committee | Subcommittee | Title | Date |
|-----------------------------------|---|--|------------------|
| Science, Space & Technology | Oversight | FDIC Data Breaches: Can Americans Trust that Their Private Banking Information Is Secure? | May 12, 2016 |
| Science, Space & Technology | Research and Technology | Can the IRS Protect Taxpayers' Personal Information? | April 14, 2016 |
| Science, Space & Technology | Research and Technology | Cyber Security: What the Federal Government Can Learn from the Private Sector | January 8, 2016 |
| Science, Space & Technology | Research and Technology and Energy (Joint) | Cybersecurity for Power Systems | October 21, 2015 |
| Science, Space & Technology | Research and Technology | The Expanding Cyber Threat | January 27, 2015 |
| Small Business | | Foreign Cyber Threats: Small Business, Big Target | July 7, 2016 |
| Small Business | | Small Business and the Federal Government: How Cyber-Attacks Threaten Both | April 19, 2016 |
| Small Business | | The EMV Deadline and What it Means for Small Business | October 7, 2015 |
| Small Business | | Small Business, Big Threat: Protecting Small Businesses from Cyber Attacks | April 22, 2015 |
| Transportation and Infrastructure | Economic Development, Public Buildings and Emergency Management | Blackout! Are We Prepared to Manage the Aftermath of a Cyber-Attack or Other Failure of the Electrical Grid? | April 14, 2016 |
| Ways and Means | Oversight | Hearing on Tax Return Filing Season (focusing on efforts to protect Americans from identity theft related tax fraud and cybersecurity attacks) | April 19, 2016 |

Source: Compiled by CRS from Congress.gov.

Table 15. 114th Congress, Other Hearings

| Committee | Subcommittee | Title | Date |
|--|--------------|---|---------------|
| U.S.-China Economic and Security Review Commission | | Commercial Cyber Espionage and Barriers to Digital Trade in China | June 15, 2015 |

Source: Compiled by CRS.

Hearings in the 113th Congress

The following tables list cybersecurity hearings in the 113th Congress. The tables contain identical content but are organized differently. **Table 16** lists House hearings arranged by date (most recent first), and **Table 17** lists House hearings arranged by committee. **Table 18** lists Senate hearings arranged by date. **Table 20** lists Senate hearings arranged by committee. When viewed in HTML, the document titles are active links to the committee's website for that particular hearing.

Table 16. 113th Congress, House Hearings, by Date

| Title | Date | Committee | Subcommittee |
|--|-------------------|---------------------------------|---|
| How Data Mining Threatens Student Privacy | June 25, 2014 | Homeland Security | Cybersecurity, Infrastructure Protection, and Security Technologies |
| Assessing Persistent and Emerging Cyber Threats to the U.S. Homeland | May 21, 2014 | Homeland Security | Counterterrorism and Intelligence |
| Electromagnetic Pulse (EMP): Threat to Critical Infrastructure | May 8, 2014 | Homeland Security | Cybersecurity, Infrastructure Protection, and Security Technologies |
| Protecting Your Personal Data: How Law Enforcement Works With the Private Sector to Prevent Cybercrime | April 16, 2014 | Homeland Security | Cybersecurity, Infrastructure Protection, and Security Technologies (Field Hearing) |
| Information Technology and Cyber Operations: Modernization and Policy Issues in a Changing National Security Environment | March 12, 2014 | Armed Services | Intelligence, Emerging Threats, and Capabilities |
| International Cybercrime Protection | March 6, 2014 | Science, Space, and Technology | Financial Institutions and Consumer Credit |
| Data Security: Examining Efforts to Protect Americans' Financial Information | March 5, 2014 | Financial Services | |
| Protecting Consumer Information: Can Data Breaches Be Prevented? | February 5, 2014 | Energy and Commerce | Commerce, Manufacturing, and Trade |
| A Roadmap for Hackers? - Documents Detailing HealthCare.gov Security Vulnerabilities | January 28, 2014 | Oversight and Government Reform | |
| HealthCare.gov: Consequences of Stolen Identity | January 19, 2014 | Science, Space, and Technology | |
| HHS' Own Security Concerns About HealthCare.gov | January 16, 2014 | Oversight and Government Reform | |
| Is My Data on Healthcare.gov Secure? | November 19, 2013 | Science, Space, and Technology | |
| Security of Healthcare.gov | November 19, 2013 | Energy and Commerce | |
| Cyber Side-Effects: How Secure is the Personal Information Entered into the Flawed Healthcare.gov? | November 13, 2013 | Homeland Security | |
| Cyber Incident Response: Bridging the Gap Between Cybersecurity and Emergency Management | October 30, 2013 | Homeland Security | Cybersecurity, Infrastructure Protection, and Security Technologies |

| Title | Date | Committee | Subcommittee |
|--|--------------------|---|---|
| Cybersecurity: 21 st Century Threats, Challenges, and Opportunities | October 23, 2013 | Permanent Select Committee on Intelligence | |
| A Look into the Security and Reliability of the Health Exchange Data Hub | September 11, 2013 | Homeland Security | Cybersecurity, Infrastructure Protection, and Security Technologies |
| Asia: The Cyber Security Battleground | July 23, 2013 | Foreign Affairs | Asia and the Pacific |
| Oversight of Executive Order 13636 and Development of the Cybersecurity Framework | July 18, 2013 | Homeland Security | Cybersecurity, Infrastructure Protection, and Security Technologies |
| Reporting Data Breaches: Is Federal Legislation Needed to Protect Consumers? | July 18, 2013 | Energy and Commerce | Commerce, Manufacturing, and Trade |
| Evaluating Privacy, Security, and Fraud Concerns with ObamaCare's Information Sharing Apparatus | July 17, 2013 | (Joint Hearing) Homeland Security and Oversight and Government Reform | |
| Cyber Espionage and the Theft of U.S. Intellectual Property and Technology | July 9, 2013 | Energy and Commerce | Oversight and Investigation |
| Cyber Threats and Security Solutions | May 21, 2013 | Energy and Commerce | |
| Cybersecurity: An Examination of the Communications Supply Chain | May 21, 2013 | Energy and Commerce | Communications and Technology |
| Facilitating Cyber Threat Information Sharing and Partnering with the Private Sector to Protect Critical Infrastructure: An Assessment of DHS Capabilities | May 16, 2013 | Homeland Security | Cybersecurity, Infrastructure Protection, and Security Technologies |
| Striking the Right Balance: Protecting Our Nation's Critical Infrastructure from Cyber Attack and Ensuring Privacy and Civil Liberties | April 25, 2013 | Homeland Security | Cybersecurity, Infrastructure Protection, and Security Technologies |
| Cyber Attacks: An Unprecedented Threat to U.S. National Security | March 21, 2013 | Foreign Affairs | Europe, Eurasia, and Emerging Threats |
| Protecting Small Business from Cyber-Attacks | March 21, 2013 | Small Business | Healthcare and Technology |
| Cybersecurity and Critical Infrastructure [CLOSED hearing] | March 20, 2013 | Appropriations | |
| Cyber Threats from China, Russia and Iran: Protecting American Critical Infrastructure | March 20, 2013 | Homeland Security | Cybersecurity, Infrastructure Protection, and Security Technologies |

| Title | Date | Committee | Subcommittee |
|--|-------------------|----------------------------------|--|
| DHS Cybersecurity: Roles and Responsibilities to Protect the Nation's Critical Infrastructure | March 13, 2013 | Homeland Security | |
| Investigating and Prosecuting 21 st Century Cyber Threats | March 13, 2013 | Judiciary | Crime, Terrorism, Homeland Security and Investigations |
| Information Technology and Cyber Operations: Modernization and Policy Issues to Support the Future Force | March 13, 2013 | Armed Services | Intelligence, Emerging Threats, and Capabilities |
| Cyber R&D Challenges and Solutions | February 26, 2013 | Science, Space, and Technology | Technology |
| Advanced Cyber Threats Facing Our Nation | February 14, 2013 | Select Committee on Intelligence | |

Source: Compiled by CRS.

Table 17. 113th Congress, House Hearings, by Committee

| Committee | Subcommittee | Title | Date |
|---------------------|--|--|-------------------|
| Appropriations | | Cybersecurity and Critical Infrastructure [CLOSED hearing] | March 20, 2013 |
| Armed Services | Intelligence, Emerging Threats, and Capabilities | Information Technology and Cyber Operations: Modernization and Policy Issues in a Changing National Security Environment | March 12, 2014 |
| Armed Services | Intelligence, Emerging Threats, and Capabilities | Information Technology and Cyber Operations: Modernization and Policy Issues to Support the Future Force | March 13, 2013 |
| Energy and Commerce | Commerce, Manufacturing, and Trade | Protecting Consumer Information: Can Data Breaches Be Prevented? | February 5, 2014 |
| Energy and Commerce | | Security of Healthcare.gov | November 19, 2013 |
| Energy and Commerce | Commerce, Manufacturing, and Trade | Reporting Data Breaches: Is Federal Legislation Needed to Protect Consumers? | July 18, 2013 |
| Energy and Commerce | Oversight and Investigation | Cyber Espionage and the Theft of U.S. Intellectual Property and Technology | July 9, 2013 |

| Committee | Subcommittee | Title | Date |
|--|---|--|--------------------|
| Energy and Commerce | | Cyber Threats and Security Solutions | May 21, 2013 |
| Energy and Commerce | Communications and Technology | Cybersecurity: An Examination of the Communications Supply Chain | May 21, 2013 |
| Financial Services | Financial Institutions and Consumer Credit | Data Security: Examining Efforts to Protect Americans' Financial Information | March 5, 2014 |
| Foreign Affairs | Asia and the Pacific | Asia: The Cyber Security Battleground | July 23, 2013 |
| Foreign Affairs | Europe, Eurasia, and Emerging Threats | Cyber Attacks: An Unprecedented Threat to U.S. National Security | March 21, 2013 |
| Homeland Security | Cybersecurity, Infrastructure Protection, and Security Technologies | How Data Mining Threatens Student Privacy | June 25, 2014 |
| Homeland Security | Counterterrorism and Intelligence | Assessing Persistent and Emerging Cyber Threats to the U.S. Homeland | May 21, 2014 |
| Homeland Security | Cybersecurity, Infrastructure Protection, and Security Technologies | Electromagnetic Pulse (EMP): Threat to Critical Infrastructure | May 8, 2014 |
| Homeland Security | Cybersecurity, Infrastructure Protection, and Security Technologies (Field Hearing) | Protecting Your Personal Data: How Law Enforcement Works With the Private Sector to Prevent Cybercrime | April 16, 2014 |
| Homeland Security | | Cyber Side-Effects: How Secure is the Personal Information Entered into the Flawed Healthcare.gov? | November 13, 2013 |
| Homeland Security | Cybersecurity, Infrastructure Protection, and Security Technologies | Cyber Incident Response: Bridging the Gap Between Cybersecurity and Emergency Management | October 30, 2013 |
| Homeland Security | Cybersecurity, Infrastructure Protection, and Security Technologies | A Look into the Security and Reliability of the Health Exchange Data Hub | September 11, 2013 |
| Homeland Security | Cybersecurity, Infrastructure Protection, and Security Technologies | Oversight of Executive Order 13636 and Development of the Cybersecurity Framework | July 18, 2013 |
| Homeland Security (Joint Hearing with Oversight and Government Reform) | Cybersecurity, Infrastructure Protection, and Security Technologies, and Energy Policy, Health Care, and Entitlements (Joint Hearing) | Facilitating Cyber Threat Information Sharing and Partnering with the Private Sector to Protect Critical Infrastructure: An Assessment of DHS Capabilities | May 16, 2013 |

| Committee | Subcommittee | Title | Date |
|--|---|--|-------------------|
| Homeland Security | Cybersecurity, Infrastructure Protection, and Security Technologies | Striking the Right Balance: Protecting Our Nation's Critical Infrastructure from Cyber Attack and Ensuring Privacy and Civil Liberties | April 25, 2013 |
| Homeland Security | Cybersecurity, Infrastructure Protection, and Security Technologies | Cyber Threats from China, Russia and Iran: Protecting American Critical Infrastructure | March 20, 2013 |
| Homeland Security | Cybersecurity, Infrastructure Protection, and Security Technologies | DHS Cybersecurity: Roles and Responsibilities to Protect the Nation's Critical Infrastructure | March 13, 2013 |
| Judiciary | Crime, Terrorism, Homeland Security, and Investigations | Investigating and Prosecuting 21 st Century Cyber Threats | March 13, 2013 |
| Oversight and Government Reform | | A Roadmap for Hackers? - Documents Detailing HealthCare.gov Security Vulnerabilities | January 28, 2014 |
| Oversight and Government Reform | | HHS' Own Security Concerns About HealthCare.gov | January 16, 2014 |
| Oversight and Government Reform (Joint Hearing with Homeland Security) | Energy Policy, Health Care, and Entitlements (Joint Hearing with Cybersecurity, Infrastructure Protection, and Security Technologies) | Evaluating Privacy, Security, and Fraud Concerns with ObamaCare's Information Sharing Apparatus | July 18, 2013 |
| Science, Space, and Technology | | International Cybercrime Protection | March 6, 2014 |
| Science, Space, and Technology | | HealthCare.gov: Consequences of Stolen Identity | January 19, 2014 |
| Science, Space, and Technology | | Is My Data on Healthcare.gov Secure? | November 19, 2013 |
| Science, Space, and Technology | Technology | Cyber R&D [Research and Development] Challenges and Solutions | February 26, 2013 |
| Select Committee on Intelligence | | Advanced Cyber Threats Facing Our Nation | February 14, 2013 |
| Small Business | Healthcare and Technology | Protecting Small Business from Cyber-Attacks | March 21, 2013 |

Source: Compiled by CRS.

Table 18. 113th Congress, Senate Hearings, by Date

| Title | Date | Committee | Subcommittee |
|---|-------------------|-------------------------------------|--------------|
| Cybersecurity: Enhancing Coordination to Protect the Financial Sector | December 10, 2014 | Banking, Housing, and Urban Affairs | |

| Title | Date | Committee | Subcommittee |
|---|-------------------|--|---|
| Taking Down Botnets: Public and Private Efforts to Disrupt and Dismantle Cybercriminal Networks | July 15, 2014 | Judiciary | Crime and Terrorism |
| Investing in Cybersecurity: Understanding Risks and Building Capabilities for the Future | May 7, 2014 | Appropriations | Homeland Security |
| Data Breach on the Rise: Protecting Personal Information from Harm | April 2, 2014 | Homeland Security and Governmental Affairs | |
| Protecting Personal Consumer Information from Cyber Attacks and Data Breaches | March 26, 2014 | Commerce, Science, and Transportation | |
| Strengthening Public-Private Partnerships to Reduce Cyber Risks to Our Nation's Critical Infrastructure | March 26, 2014 | Homeland Security and Governmental Affairs | |
| Nomination of Vice Admiral Michael S. Rogers, USN to be admiral and Director, National Security Agency/ Chief, Central Security Services/ Commander, U.S. Cyber Command | March 11, 2014 | Armed Services | |
| U.S. Strategic Command and U.S. Cyber Command in review of the fiscal 2015 Defense Authorization Request and the Future Years Defense Program | February 27, 2014 | Armed Services | |
| Oversight of Financial Stability and Data Security | February 6, 2014 | Banking, Housing, and Urban Affairs | |
| Privacy in the Digital Age: Preventing Data Breaches and Combating Cybercrime | February 4, 2014 | Judiciary | |
| Safeguarding Consumers' Financial Data, Panel 2 | February 3, 2014 | Banking, Housing, and Urban Affairs | National Security and International Trade and Finance |
| The Partnership Between NIST [National Institute of Standards and Technology] and the Private Sector: Improving Cybersecurity | July 25, 2013 | Commerce, Science, and Transportation | |
| Resilient Military Systems and the Advanced Cyber Threat (CLOSED BRIEFING) | June 26, 2013 | Armed Services | |
| Cybersecurity: Preparing for and Responding to the Enduring Threat | June 12, 2013 | Appropriations | |
| Cyber Threats: Law Enforcement and Private Sector Responses | May 8, 2013 | Judiciary | Crime and Terrorism |

| Title | Date | Committee | Subcommittee |
|---|----------------|--|-----------------------------------|
| Defense Authorization: Cybersecurity Threats: To receive a briefing on cybersecurity threats in review of the Defense Authorization Request for Fiscal Year 2014 and the Future Years Defense Program | March 19, 2013 | Armed Services | Emerging Threats and Capabilities |
| Fiscal 2014 Defense Authorization, Strategic Command: U.S. Cyber Command | March 12, 2013 | Armed Services | |
| The Cybersecurity Partnership Between the Private Sector and Our Government: Protecting Our National and Economic Security | March 7, 2013 | (Joint) Homeland Security and Governmental Affairs and Commerce, Science, and Transportation | |

Source: Compiled by CRS.

Table 19. 113th Congress, Other Hearings, by Date

| Title | Date | Committee | Subcommittee |
|--|---------------|---|--------------|
| U.S.-China Cybersecurity Issues | July 11, 2013 | Congressional-Executive Commission on China | |
| Chinese Hacking: Impact on Human Rights and Commercial Rule of Law | June 25, 2013 | Congressional-Executive Commission on China | |

Source: Compiled by CRS.

Table 20. 113th Congress, Senate Hearings, by Committee

| Committee | Subcommittee | Title | Date |
|-------------------------------------|-----------------------------------|---|-------------------|
| Appropriations | Homeland Security | Investing in Cybersecurity: Understanding Risks and Building Capabilities for the Future | May 7, 2014 |
| Appropriations | | Cybersecurity: Preparing for and Responding to the Enduring Threat | June 12, 2013 |
| Armed Services | | Nomination of Vice Admiral Michael S. Rogers, USN to be admiral and Director, National Security Agency/ Chief, Central Security Services/ Commander, U.S. Cyber Command | March 11, 2014 |
| Armed Services | | U.S. Strategic Command and U.S. Cyber Command in review of the Fiscal 2015 Defense Authorization Request and the Future Years Defense Program | February 27, 2014 |
| Armed Services | | Resilient Military Systems and the Advanced Cyber Threat (CLOSED BRIEFING) | June 26, 2013 |
| Armed Services | Emerging Threats and Capabilities | Defense Authorization: Cybersecurity Threats | March 19, 2013 |
| Armed Services | | Fiscal 2014 Defense Authorization, Strategic Command: U.S. Cyber Command | March 12, 2013 |
| Banking, Housing, and Urban Affairs | | Cybersecurity: Enhancing Coordination to Protect the Financial Sector | December 10, 2014 |
| Banking, Housing, and Urban Affairs | | Oversight of Financial Stability and Data Security | February 6, 2014 |

| Committee | Subcommittee | Title | Date |
|--|---|---|------------------|
| Banking, Housing, and Urban Affairs | National Security and International Trade and Finance | Safeguarding Consumers' Financial Data | February 3, 2014 |
| Commerce, Science, and Transportation | | Protecting Personal Consumer Information from Cyber Attacks and Data Breaches | March 26, 2014 |
| Commerce, Science, and Transportation | | The Partnership Between NIST [National Institute of Standards and Technology] and the Private Sector: Improving Cybersecurity | July 25, 2013 |
| Homeland Security and Governmental Affairs | | Data Breach on the Rise: Protecting Personal Information from Harm | April 2, 2014 |
| Homeland Security and Governmental Affairs | | Strengthening Public-Private Partnerships to Reduce Cyber Risks to Our Nation's Critical Infrastructure | March 26, 2014 |
| (Joint) Homeland Security and Governmental Affairs and Commerce, Science, and Transportation | | The Cybersecurity Partnership Between the Private Sector and Our Government: Protecting Our National and Economic Security | March 7, 2013 |
| Judiciary | Crime and Terrorism | Taking Down Botnets: Public and Private Efforts to Disrupt and Dismantle Cybercriminal Networks | July 15, 2014 |
| Judiciary | | Privacy in the Digital Age: Preventing Data Breaches and Combating Cybercrime | February 4, 2014 |
| Judiciary | Crime and Terrorism | Cyber Threats: Law Enforcement and Private Sector Responses | May 8, 2013 |

Source: Compiled by CRS.

Table 21. 113th Congress, Other Hearings, by Committee

| Committee | Subcommittee | Title | Date |
|---|--------------|--|---------------|
| Congressional-Executive Commission on China | | U.S.-China Cybersecurity Issues | July 11, 2013 |
| Congressional-Executive Commission on China | | Chinese Hacking: Impact on Human Rights and Commercial Rule of Law | June 25, 2013 |

Source: Compiled by CRS.

Executive Orders and Presidential Directives

Executive orders are official documents through which the President of the United States manages the operations of the federal government. Presidential directives guide the federal rulemaking policy and are signed or authorized by the President.

CRS Reports on Executive Orders and Presidential Directives

The following reports provide additional information on executive orders and presidential directives:

- CRS Report R42984, *The 2013 Cybersecurity Executive Order: Overview and Considerations for Congress*, by Eric A. Fischer et al.
- CRS Report RS20846, *Executive Orders: Issuance, Modification, and Revocation*, by Vivian S. Chu and Todd Garvey
- CRS Report R42740, *National Security and Emergency Preparedness Communications: A Summary of Executive Order 13618*, by Shawn Reese.

Table 22 provides a list of executive orders and presidential directives pertaining to cybersecurity. (Titles are linked to documents.)

Table 22. Executive Orders and Presidential Directives

(by date of issuance)

| Title | Date | Source | Notes |
|--|-------------------|---------------------|--|
| E.O. 13801, Expanding Apprenticeships in America | June 20, 2017 | White House | The Secretaries of Commerce and Labor shall promote apprenticeships to business leaders across critical industry sectors, including manufacturing, infrastructure, cybersecurity, and health care. |
| Strengthening the Cybersecurity of Federal Networks and Critical Infrastructure | May 11, 2017 | White House | The order requires an assessment of cybersecurity risks at every agency, orders a review of current efforts to protect vital infrastructure like power plants and hospitals, and requires a report on building the cybersecurity workforce. |
| Amended Executive Order 13694, Cyber-Related Sanctions Designations | December 29, 2016 | Treasury Department | Authorizes the imposition of sanctions on individuals and entities determined to be responsible for or complicit in malicious cyber-enabled activities that result in enumerated harms that are reasonably likely to result in, or have materially contributed to, a significant threat to the national security, foreign policy, or economic health or financial stability of the United States. The authority has been amended to also allow for the imposition of sanctions on individuals and entities determined to be responsible for tampering, altering, or causing the misappropriation of information with the purpose or effect of interfering with or undermining election processes or institutions. Five entities and four individuals are identified in the Annex of the amended Executive Order and will be added to OFAC's list of Specially Designated Nationals and Blocked Persons (SDN List). OFAC today is designating an additional two individuals who also will be added to the SDN List. |
| E.O. 13757, Taking Additional Steps to Address the National Emergency With Respect to Significant Malicious Cyber-Enabled Activities | December 29, 2016 | White House | This amends Executive Order 13694, "Blocking the Property of Certain Persons Engaging in Significant Malicious Cyber-Enabled Activities," which authorized the imposition of sanctions on individuals and entities determined to be responsible for or complicit in malicious cyber-enabled activities that result in enumerated harms that are reasonably likely to result in, or have materially contributed to, a significant threat to the national security, foreign policy, or economic health or financial stability of the United States. The authority has been amended to allow for the imposition of sanctions on individuals and |

| Title | Date | Source | Notes |
|---|--------------------|-------------|--|
| E.O. 13741, Amending Executive Order 13467 To Establish the Roles and Responsibilities of the National Background Investigations Bureau and Related Matters | September 29, 2016 | White House | <p>entities determined to be responsible for tampering, altering, or causing the misappropriation of information with the purpose or effect of interfering with or undermining election processes or institutions. Five entities and four individuals are identified in the Annex of the amended executive order and will be added to the Office of Foreign Assets Control's (OFAC's) list of Specially Designated Nationals and Blocked Persons (SDN List). At this writing, two additional individuals will be added to the SDN List.</p> <p>NBIB, established within the Office of Personnel Management, has responsibility for conducting effective, efficient, and secure personnel background investigations. NBIB will partner with the Department of Defense, which will build and manage a new IT platform for the background checks.</p> |
| Presidential Policy Directive 41—United States Cyber Incident Coordination | July 26, 2016 | White House | <p>The PPD sets forth principles governing the federal government's response to any cyber incident, whether involving government or private-sector entities. For significant cyber incidents, the PPD establishes lead federal agencies and architecture for coordinating the broader federal government response. The PPD also requires the Departments of Justice and Homeland Security to maintain updated contact information for public use to assist entities affected by cyber incidents in reporting those incidents to the proper authorities.</p> |
| Annex for Presidential Policy Directive 41—United States Cyber Incident Coordination | July 26, 2016 | White House | <p>The annex to PPD-41 provides further details concerning the federal government coordination architecture for significant cyber incidents and prescribes certain implementation tasks pertaining to coordination architecture, federal government response to incidents affecting federal networks, and implementation and assessment.</p> |
| E.O. 13718, Commission on Enhancing National Cybersecurity | February 9, 2016 | White House | <p>The commission will consist of 12 members appointed by the President, including “top strategic, business, and technical thinkers from outside of Government—including members to be designated by the bi-partisan Congressional leadership.”</p> |
| E.O. 13694, Blocking the Property of Certain Persons Engaging in Significant Malicious Cyber-Enabled Activities | April 1, 2015 | White House | <p>The executive order establishes the first sanctions program to allow the Administration to impose penalties on individuals overseas who engage in destructive attacks or commercial espionage in cyberspace. The order declares “significant</p> |

| Title | Date | Source | Notes |
|---|-------------------|-------------|--|
| Presidential Memorandum—Establishment of the Cyber Threat Intelligence Integration Center | February 25, 2015 | White House | <p>malicious cyber-enabled activities” a “national emergency” and enables the Treasury Secretary to target foreign individuals and entities that take part in the illicit cyberactivity for sanctions that could include freezing their financial assets and barring commercial transactions with them.</p> <p>The CTIIC will be a national intelligence center focused on “connecting the dots” regarding malicious foreign cyber threats to the nation and cyber incidents affecting U.S. national interests, and on providing all-source analysis of threats to U.S. policymakers. The CTIIC will also assist relevant departments and agencies in their efforts to identify, investigate, and mitigate those threats</p> |
| E.O. 13691, Encouraging Private-Sector Cybersecurity Collaboration | February 12, 2015 | White House | <p>The executive order calls for establishing new “information sharing and analysis organizations to serve as focal points for cybersecurity information sharing and collaboration within the private sector and between the private sector and government.” It also aims to streamline the process companies use to sign agreements with the federal government and grants DHS new powers to approve sharing classified intelligence with the private sector.</p> |
| E.O. 13687, Imposing Additional Sanctions with Respect to North Korea | January 2, 2015 | White House | <p>The executive order states that North Korea engaged in “provocative, destabilizing, and repressive actions and policies,” including “destructive, coercive cyber-related actions during November and December 2014,” and authorizes sanctions against North Korea. The sanctions prohibit the people and organizations named from accessing the U.S. financial system and forbid any banks or other financial institutions that do business with the U.S. system from doing business with the sanctioned entities.</p> |
| E.O. 13681, Improving the Security of Consumer Financial Transactions | October 17, 2014 | White House | <p>The executive order mandates that government credit and debit cards be enabled with chip and PIN technology and federal facilities accept chip and PIN-enabled cards at retail terminals.</p> |
| E.O. 13636, Improving Critical Infrastructure Cybersecurity | February 12, 2013 | White House | <p>E.O. 13636 addresses cybersecurity threats to critical infrastructure (CI) by, among other things,</p> <ul style="list-style-type: none"> expanding to other CI sectors an existing DHS program for information sharing and collaboration between the |

| Title | Date | Source | Notes |
|--|-------------------|-------------|---|
| Presidential Policy Directive (PPD) 21 - Critical Infrastructure Security and Resilience | February 12, 2013 | White House | <p>government and the private sector;</p> <ul style="list-style-type: none"> • establishing a broadly consultative process for identifying CI with especially high priority for protection; • requiring the National Institute of Standards and Technology to lead in developing a Cybersecurity Framework of standards and best practices for protecting CI; and • requiring regulatory agencies to determine the adequacy of current requirements and their authority to establish requirements to address the risks. <p>This directive establishes national policy on critical infrastructure security and resilience. This endeavor is a shared responsibility among the federal, state, local, tribal, and territorial (SLTT) entities, and public and private owners and operators of critical infrastructure (hereinafter referred to as “critical infrastructure owners and operators”). This directive also refines and clarifies the critical infrastructure-related functions, roles, and responsibilities across the federal government, as well as enhances overall coordination and collaboration. The federal government also has a responsibility to strengthen the security and resilience of its own critical infrastructure, for the continuity of national essential functions, and to organize itself to partner effectively with and add value to the security and resilience efforts of critical infrastructure owners and operators.</p> |
| E. O. 13618, Assignment of National Security and Emergency Preparedness Communications Functions | July 6, 2012 | White House | <p>This order addresses the federal government's need and responsibility to communicate during national security and emergency situations and crises by assigning federal national security and emergency preparedness communications functions. EO 13618 is a continuation of older executive orders issued by other presidents and is related to the Communications Act of 1934 (47 U.S.C. §606). This executive order, however, changes federal national security and emergency preparedness communications functions by dissolving the National Communications System, establishing an executive committee to oversee federal national security and emergency preparedness communications functions, establishing a programs office within the DHS to assist the executive committee, and</p> |

| Title | Date | Source | Notes |
|--|-------------------|-------------|---|
| E.O. 13587, Structural Reforms to Improve the Security of Classified Networks and the Responsible | October 7, 2011 | White House | <p>assigning specific responsibilities to federal government entities.</p> <p>This order directs structural reforms to ensure responsible sharing and safeguarding of classified information on computer networks that shall be consistent with appropriate protections for privacy and civil liberties. Agencies bear the primary responsibility for meeting these twin goals. These policies and minimum standards will address all agencies that operate or access classified computer networks, all users of classified computer networks (including contractors and others who operate or access classified computer networks controlled by the federal government), and all classified information on those networks.</p> |
| HSPD-23/NSPD-54 -Cybersecurity Policy | January 8, 2008 | White House | <p>This directive establishes U.S. policy, strategy, guidelines, and implementation actions to secure cyberspace. It strengthens and augments existing policies for protecting the security and privacy of information entrusted to the federal government and clarifies roles and responsibilities of federal agencies relating to cybersecurity. It requires the federal government to integrate many of its technical and organizational capabilities to better address sophisticated cybersecurity threats and vulnerabilities.</p> |
| E.O. 13407, Public Alert and Warning System | June 26, 2006 | White House | <p>The order assigns the Secretary of Homeland Security the responsibility to establish or adopt, as appropriate, common alerting and warning protocols, standards, terminology, and operating procedures for the public alert and warning system to enable interoperability and the secure delivery of coordinated messages to the American people through as many communication pathways as practicable, taking account of Federal Communications Commission rules as provided by law.</p> |
| HSPD-7, Homeland Security Presidential Directive No. 7: Critical Infrastructure Identification, Prioritization, and Protection | December 17, 2003 | White House | <p>Assigns the Secretary of Homeland Security the responsibility of coordinating the nation's overall efforts in critical infrastructure protection across all sectors. HSPD-7 also designates the DHS as lead agency for the nation's information and telecommunications sectors.</p> |
| E.O. 13286, Amendment of Executive Orders, and Other Actions, in Connection With the Transfer of Certain Functions to the Secretary of Homeland Security | February 28, 2003 | White House | <p>Designates the Secretary of Homeland Security the Executive Agent of the National Communication System Committee of Principals, which are the agencies, designated by the President,</p> |

| Title | Date | Source | Notes |
|---|--------------|-------------|---|
| Presidential Decision Directive/NSC-63 | May 22, 1998 | White House | <p>that own or lease telecommunication assets identified as part of the National Communication System, or which bear policy, regulatory, or enforcement responsibilities of importance to national security and emergency preparedness telecommunications.</p> <p>Sets as a national goal the ability to protect the nation's critical infrastructure from intentional attacks (both physical and cyber) by the year 2003. According to the PDD, any interruptions in the ability of these infrastructures to provide their goods and services must be "brief, infrequent, manageable, geographically isolated, and minimally detrimental to the welfare of the United States."</p> |
| NSD-42, National Security Directive 42 - National Policy for the Security of National Security Telecommunications and Information Systems | July 5, 1990 | White House | <p>Establishes the National Security Telecommunications and Information Systems Security Committee, now called the Committee on National Security Systems (CNSS). CNSS is an interagency committee, chaired by the Department of Defense. Among other assignments, NSD-42 directs the CNSS to provide system security guidance for national security systems to executive departments and agencies and submit annually to the Executive Agent an evaluation of the security status of national security systems. NSD-42 also directs the CNSS to interact, as necessary, with the National Communications System Committee of Principals.</p> |

Source: Descriptions compiled by CRS from government websites.

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See CRS Report R42619, *Cybersecurity: CRS Experts*, by Eric A. Fischer, for the names and contact information for CRS experts on policy issues related to cybersecurity bills.