OVERVIEW OF ARTIFICIAL INTELLIGENCE (AI) LEGISLATION PENDING BEFORE THE 118TH CONGRESS

THE NEW ENGLAND COUNCIL

CONTACT

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SUMMARY

The 118th Congress has embarked on a comprehensive legislative agenda addressing the proliferating presence of artificial intelligence (AI) in society. This selection of bills encompasses diverse concerns, signifying a concerted effort to grapple with AI's multifaceted challenges and opportunities. One such piece of legislation is the H.R.4223 National AI Commission Act, which advocates for the establishment of a bipartisan commission comprised of domain experts. This commission's primary goal is to formulate a comprehensive regulatory framework for AI, indicative of the growing recognition of the imperative to adapt regulatory paradigms to the swiftly evolving AI landscape.

In tandem with regulatory initiatives, several bills, such as the H.R.3831 AI Disclosure Act, pivot towards ensuring transparency in AI-generated content. This legislation advocates for the mandatory incorporation of disclaimers on AI-generated materials, particularly in domains like political advertising, to address concerns about their authenticity. This underlines the centrality of ethical AI deployment and the prevention of misleading practices that may erode trust in AI-generated content.

Workforce development assumes prominence in congressional deliberations through bills like the H.R.4503 AI Training Expansion Act and the H.R.4498 Jobs of the Future Act. These legislative endeavors underscore the critical necessity of equipping the American labor force with the requisite skills to thrive in an AI-driven economy. Simultaneously, they accentuate the importance of monitoring and mitigating potential employment displacement effects precipitated by the increasing assimilation of AI technologies. These bills endeavor to strike a harmonious balance between fostering AI-driven innovation and safeguarding employment opportunities.

Furthermore, national security considerations loom large in the legislative landscape, exemplified by bills like the H.R.1718 AI for National Security Act. This legislation mandates the procurement of AI-based security systems to fortify defenses against cyber threats, underscoring AI's pivotal role in contemporary defense and security strategies. Assuring the robustness and integrity of AI systems in national

security has become paramount as AI's footprint in military and intelligence operations expands.

These bills collectively underscore the urgency with which policymakers are confronting AI's impact across diverse facets of American society, ranging from ethical considerations and transparency to workforce preparation and national security. As AI continues its advancement, these legislative endeavors aim to navigate the intricate terrain between promoting innovation and ensuring AI's responsible and equitable integration into society.

U.S. HOUSE OF REPRESENTATIVES

H.R.1718 – AI FOR NATIONAL SECURITY ACT

- **Date Introduced**: 03/22/2023
- **Lead Sponsor(s)**: Rep. Jay Obernolte [R-CA-22]
- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):**
    - Rep. Jimmy Panetta [D-CA-19]
    - Rep. Patrick Ryan [D-NY-18]
- **Summary**: "The bill would amend the National Defense Authorization Act of 2022 to require procurement of 'artificial intelligence-based endpoint security that prevents cyber-attacks and does not require constant internet connectivity to function...'"[1]
- **Bill Text**: https://www.congress.gov/bill/118th-congress/house-bill/1718/text
- **Press Release**: https://obernolte.house.gov/media/press-releases/reps-obernolte-panetta-introduce-artificial-intelligence-national-security-act

H.R.2894 – BLOCK NUCLEAR LAUNCH BY AUTONOMOUS ARTIFICIAL INTELLIGENCE

- **Date Introduced**: 04/26/23
- **Lead Sponsor(s)**: Rep. Ted Lieu [D-CA-36]
- **NE Co-Sponsor(s**):
    - Rep. James McGovern [D-MA-2]
    - Rep. Seth Moulton [D-MA-6]
- **Other Co-Sponsor(s):**
    - Rep. Ken Buck [R-CO-4]
    - Rep. Donald Beyer, Jr. [D-VA-8]
    - Rep. Jill Tokuda [D-HI-2]
    - Rep. Mike Levin [D-CA-49]
    - Rep. Chrissy Houlahan [D-PA-6]
    - Rep. Ilhan Omar [D-MN-5]
    - Rep. Alexander Mooney [R-WV-2]
    - Rep. Brad Sherman [DCA-32]
    - Rep. Juan Ciscomani [R-AZ-6]
    - Rep. Mark Pocan [D-WI-2]
    - Rep. Rashida Tlaib [D-MI-12]
    - Rep. Raul Grijalva [D-AZ-7]

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[1] Mintz, "AI Legislation," Mintz Insights (a. 2023), 2.

- o Rep. Sheila Jackson Lee [D-TX-35]
- o Rep. Jamaal Bowman [D-NY-16]
- o Rep. Val T. Hoyle [D-OR-4]
- **Summary**: Regarding the CCW, this bill would prohibit the appropriation of funds toward systems that are not subject to "meaningful human control" to launch a nuclear weapon or select and engage targets for the purposes of launching a nuclear weapon.
- **Bill Text**: https://www.congress.gov/bill/118th-congress/senate-bill/1394/text
- **Press Release**: https://www.markey.senate.gov/news/press-releases/markey-lieu-beyer-and-buck-introduce-bipartisan-legislation-to-prevent-ai-from-launching-a-nuclear-weapon

Please see Senate companion bill S.1394 on page 14.

H.R. 3044 – REAL POLITICAL ADVERTISEMENTS ACT*

- **Date Introduced:** 05/15/2023
- **Lead Sponsor(s)**: Rep. Yvette Clark [D-NY-9
- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):** N/A
- **Summary**: This bill would require the inclusion of a conspicuous disclaimer on any political advertisements employing text, images, video, or audio produced by or in conjunction with generative artificial intelligence. The Federal Elections Commission would enforce the act and would provide a compliance assessment within two years of enactment.
- **Bill Text**: https://www.congress.gov/bill/118th-congress/senate-bill/1596/text
- **Press Release**: https://www.klobuchar.senate.gov/public/index.cfm/2023/5/klobuchar-booker-bennet-introduce-legislation-to-regulate-ai-generated-content-in-political-ads

* Please see Senate companion bill S.1594 on page 16.

H.R.3168 – TO ESTABLISH A JOINT AUTONOMY OFFICE IN THE DEPARTMENT OF DEFENSE, AND FOR OTHER PURPOSES.

- **Date Introduced**: 05/09/2023
- **Lead Sponsor(s)**: Rep. Robert J. Whittman [R-VA-1]
- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):**
  - o Rep. C. A. Dutch Ruppersberger [D-MD-2]
  - o Rep. Jay Obernolte [R-CA-23]

- **Summary**: "The bill would establish within the Department of Defense a 'Joint Autonomy Office' to manage and develop acquisitions programs, development and testing platforms, and best practices for autonomous systems. The bill would also require the Secretary of Defense to give a briefing to the relevant congressional committees regarding the establishment of the Joint Autonomy Office. Finally, the Director of the Joint Autonomy Office would be required to finalize a 'plan and procedures to standardize the planning, resourcing, and integration efforts with respect to autonomous capabilities for current and future systems across the Department.'" [2]
- **Bill Text**: https://www.congress.gov/bill/118th-congress/house-bill/3168/text
- **Press Release**: https://wittman.house.gov/news/documentsingle.aspx?DocumentID=5011

H.R.3369 – AI ACCOUNTABILITY ACT

- **Date Introduced:** 05/27/2023
- **Lead Sponsor(s):** Rep. Josh Harder [D-CA-9]
- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):**
  - o Rep. Robin L. Kelly [D-IL-2]
  - o Rep. Jay Obernolte [R-CA-23]
- **Summary**: A bill to direct the Assistant Secretary of Commerce for Communications and Information to conduct a study on AI system accountability measures and hold public meetings with industry, academic, and consumer stakeholders. The study would analyze how communications networks incorporate artificial intelligence accountability measures, how AI systems can assist in the "promotion of digital inclusion, and how accountability measures can reduce the cybersecurity risk."
- **Bill Text**: https://www.congress.gov/bill/118th-congress/house-bill/3369/text
- **Press Release**: N/A

H.R.3831 – AI DISCLOSURE ACT

- **Date Introduced:** 06/05/2023
- **Lead Sponsor(s):** Rep. Ritchie Torres [D-NY-15]
- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):** N/A
- **Summary**: This bill would require artificial intelligence to disclose that its output has been artificially generated. Products of generative artificial intelligence would

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[2] Mintz, "AI Legislation," Mintz Insights (a. 2023), 2.

be required to include the following text: "Disclaimer: this output has been generated by artificial intelligence." The bill would be enforced by the Federal Trade Commission under 15 USC 57a: "Unfair or deceptive acts or practices rulemaking proceedings."

- **Bill Text**: https://www.congress.gov/bill/118th-congress/house-bill/3831/text
- **Press Release**: https://ritchietorres.house.gov/posts/u-s-rep-ritchie-torres-introduces-federal-legislation-requiring-mandatory-disclaimer-for-material-generated-by-artificial-intelligence

H.R.4223 – NATIONAL AI COMMISSION ACT

- **Date Introduced:** 06/20/2023
- **Lead Sponsor(s)**: Rep. Ted Lieu [D-CA-36]
- **NE Co-Sponsor(s)**:
  - Rep. Stephen F. Lynch [D-MA-8]
- **Other Co-Sponsor(s):**
  - Rep. Ken Buck [R-CO-4]
  - Rep Anna G. Eshoo [D-CA-16]
  - Rep. Robert J. Wittman [R-VA-1]
  - Rep. Zachary Nunn [R-IA-3]
  - Rep. Christopher R. Deluzio [D-PA-17]
- **Summary**: Bipartisan and bicameral legislation to create a national commission to focus on the question of regulating Artificial Intelligence (AI). The bipartisan commission would review the United States' current approach to AI regulation, make recommendations on any new office or governmental structure that may be necessary, and develop a risk-based framework for AI. The group would comprise experts from civil society, government, industry, and labor, and those with technical expertise coming together to develop a comprehensive framework for AI regulation.
- **Bill Text**: https://www.congress.gov/bill/118th-congress/house-bill/4223/text
- **Press Release**: https://lieu.house.gov/media-center/press-releases/reps-lieu-buck-eshoo-and-sen-schatz-introduce-bipartisan-bicameral-bill

H.R.4498 – JOBS OF THE FUTURE ACT 2023

- **Date Introduced:** 07/06/2023
- **Lead Sponsor(s):** Rep. Darren Soto [D-FL-9]
- **NE Co-Sponsor(s)**: N/A
- **Other Co-Sponsor(s):**
  - Rep. Lori Chavez-DeRemer [R-OR-5]
  - Rep. Lisa Blunt Rochester [D-DE]
  - Rep. Andrew R. Garbarino [R-NY-2]

- **Summary**: This bill authorizes the Department of Labor, National Science Foundation, and various House committees to create a report analyzing AI's future impact on the workforce. The research stipulations include (1) Data acquisition on artificial intelligence in the workforce. (2) Industry-specific projections of the impact of AI. (3) Worker and Congressional opportunities to impact the industry use of AI. (4) Demographic-based research on expanded career opportunity and career displacement vulnerability. (5) Identification of steps in workforce training to develop alongside AI. Furthermore, the bill calls for the joint committee report to offer recommendations to alleviate workforce displacement.
- **Bill Text**: https://www.congress.gov/bill/118th-congress/house-bill/4498/text
- **Press Release**: https://soto.house.gov/media/press-releases/soto-chavez-deremer-blunt-rochester-garbarino-introduce-bipartisan-jobs-future

H.R.4503 – AI TRAINING EXPANSION ACT

- **Date Introduced:** 07/12/2023
- **Lead Sponsor(s)**: Rep. Nancy Mace [R-SC-1]
- **NE Co-Sponsor(s)**: N/A
- **Other Co-Sponsor(s):** Rep. Gerald E. Connolly [D-VA-11]
- **Summary**: The bill seeks to expand the development of an AI training program for the executive branch of the Federal Government, focusing on promoting potential benefits and mitigating risks of new artificial intelligence technologies in federal programs.
- **Bill Text**: https://www.congress.gov/bill/118th-congress/house-bill/4503/text
- **Press Release**: N/A

H.R.4624 – ALGORITHMIC JUSTICE AND ONLINE PLATFORM TRANSPARENCY ACT*

- **Date Introduced**: 07/13/2023
- **Lead Sponsor(s)**: Rep. Doris Matsui [D-CA-7]
- **NE Co-Sponsor(s)**: N/A
- **Other Co-Sponsor(s):**
  - Rep. Kweisi Mfume [D- MD-7]
  - Rep. Mary Gay Scanlon [D-PA-5]
  - Rep. Pramila Jayapal [D-WA-7]
  - Rep. Maxwell Frost [D-FL-10
  - Rep. Rashida Tlaib [D-MI-12
  - Rep. Andre Carson [D-IN-7]
  - Rep. Anna Eshoo [D-CA-16]
  - Rep. Raul Grijalva [D-AZ-7]

- o   Rep. Sheila Jackson Lee [D-TX-18]
- o   Rep. Jamaal Bowman [D-NY-16]
- **Summary**: "The bill would establish certain requirements for online platforms utilizing algorithms for the purpose of content amplification, recommendation, or promotion. These include transparency and record-keeping requirements regarding the data collection and processing practices underlying these algorithms, disclosure 'in conspicuous, accessible, and plain language that is not misleading a complete description of the online platform's content moderation practices,' and the publishing of annual transparency reports regarding content moderation practices. Online platforms would be prohibited from employing 'an algorithmic process in a manner that is not safe and effective' or utilizing an algorithmic process to discriminate against a user. The bill would also establish an 'Interagency Task Force on Algorithmic Processes on Online Platforms" that would "conduct a study on the discriminatory use of personal information by online platforms in algorithmic processes.' This bill would be enforceable by the Federal Trade Commission, State Attorneys General, the Department of Justice, or a private right of action." [3]
- **Bill Text**: https://www.congress.gov/bill/118th-congress/house-bill/4624/text
- **Press Release**: https://matsui.house.gov/media/press-releases/matsui-markey-reintroduce-legislation-hold-big-tech-accountable-discriminatory

* Please see Senate companion bill S.2325 on page 19.

H.R.4683 – CLOSING LOOPHOLES FOR THE OVERSEAS USE AND DEVELOPMENT OF ARTIFICIAL INTELLIGENCE ACT

- **Date Introduced**: 07/17/2023
- **Lead Sponsor(s)**: Rep. Jeff Jackson [D-NC-14]
- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):**
  - o   Rep. Michael Lawler [R-NY-17]
  - o   Rep. Jasmine Crockett [D-TX-30]
  - o   Rep. Richard McCormick [R-GA-6]
- **Summary**: "The bill would prohibit support for the remote use or cloud use of integrated circuits listed under Export Control Classification Numbers 3A090 and 4A090 of the Export Administration Regulations by entities located in the People's Republic of China or Macau. Despite recent export controls on advanced semiconductors, 'Chinese entities are still developing artificial

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[3] Mintz, "AI Legislation," Mintz Insights (a. 2023), 1.

intelligence tools and models by purchasing remote and cloud access to these same advanced components to train artificial intelligence models and tools.' The bill would seek to close this loophole." [4]

- **Bill Text**: https://www.congress.gov/bill/118th-congress/house-bill/4683/text
- **Press Release**: https://jeffjackson.house.gov/media/press-releases/rep-jeff-jackson-introduces-bipartisan-cloud-ai-act-stop-china-remotely-using

H.R.4814 – CONSUMER SAFETY TECHNOLOGY ACT

- **Date Introduced:** 07/27/23
- **Lead Sponsor(s)**: Rep. Darren Soto [D-FL-9]
- **NE Co-Sponsor(s)**:
- Rep. Lori Trahan [D-MA-3]
- **Other Co-Sponsor(s):**
- Rep. Michael C. Burgess [R-TX-26]
- Rep. Brett Guthrie [R-KY-2]
- Rep. Kathy Castor [D-FL-14]
- **Summary**: "The bill would direct the Consumer Product Safety Commission (CPSC) to establish a pilot program to explore the use of artificial intelligence in support of the mission of the Commission. During the pilot program, the CPSC would use AI for at least one of the four following purposes: (1) tracking trends with respect to injuries involving consumer products, (2) identifying consumer product hazards, (3) monitoring the retail marketplace for the sale of recalled consumer products, and (4) identifying consumer products to be refused admission into the customs territory of the United States as per the terms of the Consumer Product Safety Act. Following the conclusion of this pilot program, the CPSC would submit a report to relevant congressional committees regarding the outcome of the pilot program." [5]
- **Bill Text**: https://www.congress.gov/bill/118th-congress/house-bill/4814/text
- **Press Release**: https://soto.house.gov/media/press-releases/soto-burgess-trahan-guthrie-introduce-bipartisan-consumer-safety-technology

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[4] Mintz, "AI Legislation", Mintz Insights (a. 2023), 3.

[5] Mintz, "AI Legislation," Mintz Insights (a. 2023), 2.

H.R.5077 – CREATE WITH ARTIFICIAL INTELLIGENCE ACT OF 2023*

- **Date Introduced:** 07/28/2023
- **Lead Sponsor(s):** Rep. Anna Eshoo [D-CA-16]
- **NE Co-Sponsor(s):**
- **N/A**
- **Other Co-Sponsor(s):**
- Rep. Michael McCaul [R-TX-10]
- Rep. Donald Beyer Jr. [D-VA-8
- Rep. Jay Obernolte [R-CA-23]
- Rep. Marcus Molinaro [R-NY-19]
- Rep. Robin Kelley [D-IL-2]
- **Summary**: The CREATE AI Act aims to establish the National Artificial Intelligence Research Resource (NAIRR). This resource is intended to promote innovation and accessibility in artificial intelligence (AI) research and development. It addresses concerns about limited access to computational resources and datasets by ensuring broader access, particularly for underrepresented groups in STEM fields. The bill establishes a governing structure, including a steering subcommittee and advisory committees, to oversee the NAIRR and its operations. It also outlines criteria for eligible users, resource categories, ethical considerations, and security measures.
- **Bill Text**: https://www.congress.gov/bill/118th-congress/house-bill/5077/text
- **Press Release**: https://eshoo.house.gov/media/press-releases/ai-caucus-leaders-introduce-bipartisan-bill-expand-access-ai-research
- *Please see Senate companion bill S.2714 on page 23.*

H.R. 5586- DEEPFAKES ACCOUNTABILITY ACT

- **Date Introduced:** 09/20/2023
- **Lead Sponsor(s):** Rep. Yvette Clarke [D-NY-9]
- **NE Co-Sponsor(s):** N/A
- **Other Co-Sponsor(s):**
  - Rep. Glenn Ivey [D-MD-4]
- **Summary**: This bill would "protect national security against the threats posed by deepfake technology and to provide legal recourse to victims of harmful deepfakes."
- **Bill Text**: H. R. 5586 (Introduced-in-House) (congress.gov)
- **Press Release**: CLARKE LEADS LEGISLATION TO REGULATE DEEPFAKES - Congresswoman Yvette Clarke (house.gov)

H.R. 5808- PREVENTING DEEP FAKE SCAMS ACT

- **Date Introduced:** 09/28/2023

- **Lead Sponsor(s):** Rep. Brittany Pettersen [D-CO-7]
- **NE Co-Sponsor(s):** N/A
- **Other Co-Sponsor(s):**
  - Rep. Mike Flood [R-NE-1]
  - Rep. Marcus Molinaro [R-NY-19]
  - Rep. Michael Lawler [R-NY-17]
- **Summary**: This bill would "establish the Task Force on Artificial Intelligence in the Financial Services Sector to report to Congress on issues related to artificial intelligence in the financial services sector, and for other purposes".
- **Bill Text**: H. R. 5808 (Introduced-in-House) (congress.gov)
- **Press Release:** Reps. Pettersen, Flood Introduce Bipartisan Legislation to Address Bank Scams Fueled by Artificial Intelligence | U.S. Representative Brittany Pettersen (house.gov)

H.R. 6088- ENSURING SAFE AND ETHICAL AI DEVELOPMENT THROUGH SAFE AI RESEARCH GRANTS

- **Date Introduced:** 10/26/2023
- **Lead Sponsor(s):** Rep. Kevin Kiley [R-CA-3]
- **NE Co-Sponsor(s):**
  - **N/A**
- **Other Co-Sponsor(s):**
  - Rep. Sylvia Garcia [D-TX-29]
- **Summary**: This bill would "require the National Academy of Sciences to establish a grant program to develop safe AI models and safe AI research, and for other purposes".
- **Bill Text**: H. R. 6088 (Introduced-in-House) (congress.gov)
- **Press Release**: Representative Kiley Introduces the Ensuring Safe and Ethical AI Development Through Safe AI Research Grants Act - Kevin Kiley (house.gov)

H.R. 6425- FIVE AIS ACT

- **Date Introduced:** 11/15/2023
- **Lead Sponsor(s):** Rep. Mike Gallagher
- **NE Co-Sponsor(s):**
  - **N/A**
- **Other Co-Sponsor(s):**
  - Rep. Ro Khanna [D-CA-17]
  - Rep. Brad Wenstrup [R-OH-2]
- **Summary**: This bill would "direct the Secretary of Defense to establish a working group to develop and coordinate an artificial intelligence initiative among the Five Eyes countries, and for other purposes".
- **Bill Text**: H. R. 6425 (Introduced-in-House) (congress.gov)
- **Press Release**: Gallagher, Khanna Introduce Five AIs Act to Advance Development of AI within Five Eyes | Congressman Mike Gallagher (house.gov)

H.R. 6466- AI LABELING ACT OF 2023

- **Date Introduced:** 11/24/2023
- **Lead Sponsor(s):** Rep. Thomas Kean [R-NJ-7]
- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):**
  - o Rep. Carlos Gimenez [R-FL-28]
- **Summary**: This bill would "require disclosures for AI-generated content, and for other purposes".
- **Bill Text**: H. R. 6466 (Introduced-in-House) (congress.gov)
- **Press Release**: Kean Introduces Bill to Provide More Transparency on AI-Generated Content | Congressman Thomas Kean Jr. (house.gov)

H.R. 6791- ARTIFICIAL INTELLIGENCE LITERACY ACT OF 2023

- **Date Introduced:** 12/15/2023
- **Lead Sponsor(s):** Rep. Lisa Blunt Rochester [D-DE-At Large]
- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):**
  - o Rep. Larry Bucshon [R-IN-8]
  - o Rep. Marcus Molinaro [R-NY-19]
  - o Rep. David Trone [D-MD-6]
- **Summary**: This bill would "amend the Digital Equity Act of 2021 to facilitate artificial intelligence literacy opportunities, and for other purposes".
- **Bill Text**: H. R. 6791 (Introduced-in-House) (congress.gov)
- **Press Release**: Reps. Blunt Rochester & Bucshon Introduce Bipartisan Artificial Intelligence Literacy Bill | U.S. Representative Lisa Blunt Rochester (house.gov)

H.R. 6806- FARM TECH ACT

- **Date Introduced:** 12/14/2023
- **Lead Sponsor(s):** Rep. Randy Feenstra [R-IA-4]
- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):**
  - o Rep. David Valadao [R-CA-22]
  - o Rep. Eric Sorensen [D-IL-17]
  - o Rep. Josh Harder [D-CA-9]
- **Summary**: This bill would "provide for the establishment of a program to certify artificial intelligence software used in connection with producing agricultural products".
- **Bill Text**: H. R. 6806 (Introduced-in-House) (congress.gov)
- **Press Release**: Feenstra Leads Legislation to Certify Efficacy, Legitimacy, and Safety of Farm Technology | Representative Randy Feenstra (house.gov)

H.R. 6881- AI FOUNDATION MODEL TRANSPARENCY ACT OF 2023

- **Date Introduced:** 12/22/2023
- **Lead Sponsor(s):** Rep. Donald Beyer [D-VA-8]

- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):**
    - Rep. Anna Eshoo [D-CA-16]
- **Summary**: This bill would "direct the Federal Trade Commission to establish standards for making publicly available information about the training data and algorithms used in artificial intelligence foundation models, and for other purposes".
- **Bill Text**: H. R. 6881 (Introduced-in-House) (congress.gov)
- **Press Release**: Eshoo, Beyer Introduce Landmark AI Regulation Bill | Congresswoman Anna Eshoo (house.gov)

H.R. 6936- FEDERAL ARTIFICIAL INTELLIGENCE RISK MANAGEMENT ACT OF 2024

- **Date Introduced:** 01/10/2024
- **Lead Sponsor(s):** Rep. Ted Lieu [D-CA-36]
- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):**
    - Rep. Zachary Nunn [R-IA-3]
    - Rep. Donald Beyer [D-VA-8]
    - Rep. Marcus Molinaro [R-NY-19]
- **Summary**: This bill would "require Federal agencies to use the Artificial Intelligence Risk Management Framework developed by the National Institute of Standards and Technology with respect to the use of artificial intelligence".
- **Bill Text**: H. R. 6936 (Introduced-in-House) (congress.gov)
- **Press Release**: REPS LIEU, NUNN, BEYER AND MOLINARO INTRODUCE BIPARTISAN BILL TO ESTABLISH AI GUIDELINES FOR FEDERAL AGENCIES AND VENDORS | Congressman Ted Lieu (house.gov)

H.R. 6943- NO AI FRAUD ACT

- **Date Introduced:** 01/10/2024
- **Lead Sponsor(s):** Rep. Maria Elvira Salazar [R-FL-27]
- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):**
    - Rep. Madeleine Dean [D-PA-4]
    - Rep. Nathaniel Moran [R-TX-1]
    - Rep. Joseph Morelle [D-NY-25]
    - Rep. Robert Wittman [R-VA-1]
    - Rep. Drew Ferguson [R-GA-3]
    - Rep. Henry Cuellar [D-TX-28]
    - Rep. Glenn Ivey [D-MD-4]
    - Rep. Donald Davis [D-NC-1]
- **Summary**: This bill would "provide for individual property rights in likeness and voice".
- **Bill Text**: H. R. 6943 (Introduced-in-House) (congress.gov)

- **Press Release**: [Salazar Introduces the No AI Fraud Act | Representative Maria Salazar (house.gov)](house.gov)

H.R. 7120- R U REAL ACT

- **Date Introduced:** 01/29/2024
- **Lead Sponsor(s):** Rep. Janice Schakowsky [D-IL-9]
- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):** N/A
- **Summary**: This bill would "direct the Federal Trade Commission to revise the Telemarketing Sales Rule to require disclosures for telemarketing using artificial intelligence and to provide for enhanced penalties for violations involving artificial intelligence voice or text message impersonation, and for other purposes".
- **Bill Text**: [H. R. 7120 (Introduced-in-House) (congress.gov)](congress.gov)
- **Press Release**: [Schakowsky Introduces Legislation to Curb AI Robocalls | Congresswoman Jan Schakowsky (house.gov)](house.gov)

H.R. 7123- QUIET ACT

- **Date Introduced:** 01/29/2024
- **Lead Sponsor(s):** Rep. Eric Sorensen [D-IL-17]
- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):**
  - Rep. Juan Ciscomani [R-AZ-6]
  - Rep. Anthony D'Esposito [R-NY-4]
  - Rep. Brian Fitzpatrick [R-PA-1]
  - Rep. Colin Allred [D-TX-32]
  - Rep. Darren Soto [D-FL-9]
- **Summary**: This bill would "amend the Communications Act of 1934 to require disclosures with respect to robocalls using artificial intelligence and to provide for enhanced penalties for certain violations involving artificial intelligence voice or text message impersonation, and for other purposes".
- **Bill Text**: [H. R. 7123 (Introduced-in-House) (congress.gov)](congress.gov)
- **Press Release**: [Sorensen Introduces Bipartisan Bill to Crack Down on Artificial Intelligence Robocalls | Representative Eric Sorensen (house.gov)](house.gov)

H.R. 7197- ARTIFICIAL INTELLIGENCE ENVIRONMENTAL IMPACTS OF 2024*

- **Date Introduced:** 02/01/2024
- **Lead Sponsor(s):** Rep. Anna Eshoo [D-CA-16]
- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):**
  - Rep. Donald Beyer [D-VA-8]
- **Summary:** This bill would "require the Administrator of the Environmental Protection Agency to carry out a study on the environmental impacts

of artificial intelligence, to require the Director of the National Institute of Standards and Technology to convene a consortium on such environmental impacts, and to require the Director to develop a voluntary reporting system for the reporting of the environmental impacts of artificial intelligence, and for other purposes".

- **Bill Text**: H. R. 7197 (Introduced-in-House) (congress.gov)
- **Press Release**: Markey, Heinrich, Eshoo, Beyer Introduce Legislation to Investigate, Measure Environmental Impacts of Artificial Intelligence (senate.gov)
- *Please see Senate companion bill S. 3732 on page 37.*

H.R. 7381- HEALTHCARE ENHANCEMENT AND LEARNING THROUGH HARNESSING ARTIFICIAL INTELLIGENCE ACT

- **Date Introduced:** 02/15/2024
- **Lead Sponsor(s):** Rep. Ted Lieu [D-CA-36]
- **NE Co-Sponsor(s):** N/A
- **Other Co-Sponsor(s):**
  - Rep. Ami Bera [D-CA-6]
- **Summary:** This bill would "direct the Director of the National Institutes of Health to establish a grant program to facilitate research regarding the use of generative artificial intelligence in health care, and for other purposes".
- **Bill Text**: H. R. 7381 (Introduced-in-House) (congress.gov)
- **Press Release:** REP LIEU INTRODUCES BILL TO STUDY AI APPLICATIONS IN HEALTHCARE | Congressman Ted Lieu (house.gov)

H.R. 7532- FEDERAL AI GOVERNANCE AND TRANSPARENCY ACT

- **Date Introduced:** 03/07/2024
- **Lead Sponsor(s):** Rep. James Comer [R-KY-1]
- **NE Co-Sponsor(s):** N/A
- **Other Co-Sponsor(s):**
  - Rep. Jamie Raskin [D-MD-8]
  - Rep. Nancy Mace [R-SC-1]
  - Rep. Alexandria Ocasio-Cortez [D-NY-14]
  - Rep. Clay Higgins [R-LA-3]
  - Rep. Nicholas Langworthy [R-NY-23]
  - Rep. Ro Khanna [D-CA-17]
- **Summary:** This bill would "amend chapter 35 of title 44, United States Code, to establish Federal AI system governance requirements, and for other purposes".
- **Bill Text**: H. R. 7532 (Introduced-in-House) (congress.gov)
- **Press Release:** Comer & Raskin Introduce the Federal AI Governance and Transparency Act - United States House Committee on Oversight and Accountability

H.R. 7603- ALGORITHMS UTILIZED TO DETECT INSTITUTIONAL TRANSACTIONS (AUDIT) ACT

- **Date Introduced:** 03/08/2024

- **Lead Sponsor(s):** Rep. David Schweikert [R-AZ-1]
- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):** N/A
- **Summary:** To direct the Secretary of Defense to ensure that the audit of the financial statements of the Department of Defense for fiscal year 2024 is conducted using technology that uses artificial intelligence, and for other purposes.
- **Bill Text**: H. R. 7603 (Introduced-in-House) (congress.gov)
- **Press Release:** Schweikert Introduces Legislation to Reform Defense Department Audit Process – Congressman Schweikert (house.gov)

H.R. 7621- NO ROBOT BOSSES ACT

- **Date Introduced:** 03/12/2024
- **Lead Sponsor(s):** Rep. Suzanne Bonamici [D-OR-1]
- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):**
  - ○ Rep. Christopher Deluzio [D-PA-17]
- **Summary:** To prohibit the certain uses of automated decision systems by employers, and for other purposes.
- **Bill Text**: H. R. 7621 (Introduced-in-House) (congress.gov)
- **Press Release:** Bonamici, Deluzio Introduce Legislation to Protect Workers from AI-Based Hiring Discrimination | Congresswoman Suzanne Bonamici (house.gov)

H.R. 7694- NO AI AUDITS ACT

- **Date Introduced:** 03/15/2024
- **Lead Sponsor(s):** Rep. Clay Higgins [R-LA-3]
- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):**
  - ○ Rep. Eric Burlison [R-MO-7]
- **Summary:** "This bill prohibits the Internal Revenue Service (IRS) from conducting a taxpayer audit based upon the use of artificial intelligence (AI) unless it determines that such AI meets certain explainability principles established by the National Institute of Standards and Technology. Additionally, the bill requires that any investigation or examination of a taxpayer can only be selected or initiated by an IRS staff investigator".
- **Bill Text**: H. R. 7694 (Introduced-in-House) (congress.gov)
- **Press Release:** Higgins Introduces Legislation to Restrict AI Deployment in the IRS - Congressman Clay Higgins (house.gov)

H.R. 7766- PROTECTING CONSUMERS FROM DECEPTIVE AI ACT

- **Date Introduced:** 03/21/2024
- **Lead Sponsor(s):** Rep. Anna Eshoo [D-CA-16]
- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):**

- o   Rep. Neal Dunn [R-FL-2]
- o   Rep. Don Beyer [D-VA-8]
- o   Rep. Valerie Foushee [D-NC-4]
- **Summary:** This bill would **"**require the National Institute of Standards and Technology to establish task forces to facilitate and inform the development of technical standards and guidelines relating to the identification of content created by generative artificial intelligence, to ensure that audio or visual content created or substantially modified by generative artificial intelligence includes a disclosure acknowledging the generative artificial intelligence origin of such content, and for other purposes".
- **Bill Text**: H. R. 7766 (Introduced-in-House) (congress.gov)
- **Press Release:** Rep. Eshoo Introduces Bipartisan Bill to Label Deepfakes | Congresswoman Anna Eshoo (house.gov)

H.R. 7781- ARTIFICIAL INTELLIGENCE PRACTICES, LOGISTICS, ACTIONS, AND NECESSITIES ACT (AI PLAN ACT)

- **Date Introduced:** 03/21/2024
- **Lead Sponsor(s):** Rep. Zachary Nunn [R-IA-3]
- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):**
- o   Rep. Abigail Spanberger [D-VA-7]
- **Summary:** This bill would "require a report on the economic and national security risks posed by the use of artificial intelligence in the commission of financial crimes, including fraud and the dissemination of misinformation, and for other purposes".
- **Bill Text**: H. R. 7781 (Introduced-in-House) (congress.gov)
- **Press Release:** Nunn Introduces Bipartisan Legislation to Protect Against Artificial Intelligence Misinformation | Representative Nunn (house.gov)

H.R. 8005- CHILD EXPLOITATION AND ARTIFICIAL INTELLIGENCE EXPERT COMMISSION ACT OF 2024

- **Date Introduced:** 04/15/2024
- **Lead Sponsor(s):** Rep. Nicholas Langworthy [R-NY-23]
- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):**
- o   Rep. Russell Fry [R-SC-7]
- o   Rep. Michael Lawler [R-NY-17]
- o   Rep. Donald Davis [D-NC-1]
- o   Rep. Mary Miller [R-IL-15]
- o   Rep. Zachary Nunn [R-IA-3]
- o   Rep. Andre Carson [D-IN-7]
- o   Rep. Ashley Hinson [R-IA-2]
- o   Rep. Don Bacon [R-NE-2]
- o   Rep. Alma Adams [D-NC-12]
- o   Rep. Claudia Tenney [R-NY-24]

- o   Rep. Anthony D'Esposito [R-NY-4]
- o   Rep. Gabe Vasquez [D-NM-2]
- **Summary:** To establish the Commission of Experts on Child Exploitation and Artificial Intelligence.
- **Bill Text**: H. R. 8005 (Introduced-in-House) (congress.gov)
- **Press Release:** Congressman Langworthy Introduces Legislation to Combat the Use of Artificial Intelligence to Create Child Sexual Abuse Material | Congressman Nick Langworthy (house.gov)

H.R. 8315- ENFORCE ACT

- **Date Introduced:** 05/08/2024
- **Lead Sponsor(s):** Rep. Michael McCaul [R-TX-10]
- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):**
  - o   Rep. Michael Lawler [R-NY-17]
  - o   Rep. John Moolenaar [R-MI-2]
  - o   Rep. Raja Krishnamoorthi [D-IL-8]
  - o   Rep. Susan Wild [D-PA-7]
  - o   Rep. Brad Sherman [D-CA-32]
  - o   Rep. Gregory Meeks [D-NY-5]
  - o   Rep. Ann Wagner [R-MO-2]
  - o   Rep. Joe Wilson [R-SC-2]
  - o   Rep. Brian Mast [R-FL-21]
  - o   Rep. Thomas Kean [R-NJ-7]
  - o   Rep. Young Kim [R-CA-40]
- **Summary:** To amend the Export Control Reform Act of 2018 to prevent foreign adversaries from exploiting United States artificial intelligence and other enabling technologies, and for other purposes.
- **Bill Text**: H. R. 8315 (Introduced-in-House) (congress.gov)
- **Press Release: N/A**

H.R. 8348- CISA SECURING AI TASK FORCE ACT

- **Date Introduced:** 05/08/2024
- **Lead Sponsor(s):** Rep. Troy Carter [D-LA-2]
- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):**
  - o   Rep. Bennie Thompson [D-MS-2]
- **Summary:** This bill would "establish in the Cybersecurity and Infrastructure Security Agency of the Department of Homeland Security a task force on artificial intelligence, and for other purposes".
- **Bill Text:** untitled (house.gov)
- **Press Release:** Congressman Carter, Thompson Introduce CISA Securing AI Task Force Act | Representative Troy Carter (house.gov)

H.R. 8353- PREPARING ELECTION ADMINISTRATORS FOR AI ACT

- **Date Introduced:** 05/10/2024
- **Lead Sponsor(s):** Rep. Chrissy Houlahan [D-PA-6]
- **NE Co-Sponsor(s):**
  - Rep. Seth Moulton [D-MA-6]
- **Other Co-Sponsor(s):**
  - Rep. Brian Fitzpatrick [R-PA-1]
  - Rep. Doug Lamborn [R-CO-5]
  - Rep. Abigail Davis Spanberger [D-VA-7]
  - Rep. Ted Lieu [D-CA-36]
  - Rep. Elissa Slotkin [D-MI-7]
- **Summary:** This bill would "require the Election Assistance Commission to develop voluntary guidelines for the administration of elections that address the use and risks of artificial intelligence technologies, and for other purposes".
- **Bill Text:** untitled (house.gov)
- **Press Release:** Houlahan Introduces Bipartisan Bill to Protect Elections from Potential AI Risks | U.S. Representative Chrissy Houlahan (house.gov)

U.S. SENATE

S.1123 – MARTTE ACT

- **Date Introduced:** 3/30/2023
- **Lead Sponsor(s):** Sen. Tammy Duckworth [D-IL]
- **NE Co-Sponsor(s):** N/A
- **Other Co-Sponsor(s):** N/A
- **Summary:** "The bill would direct the Armed Forces to implement programs towards 'the development and management of career field occupational codes aligned with the work roles related to computer programming, artificial intelligence and machine learning competency, and software engineering...'"[6]
- **Bill Text:** https://www.congress.gov/bill/118th-congress/senate-bill/1123/text
- **Press Release:** https://www.duckworth.senate.gov/imo/media/doc/23.03.30%20-%20MARTTE%20Act%20Bill%20Text.pdf

S.1356 – ASSESS AI ACT

- **Date Introduced:** 04/27/2023
- **Lead Sponsor(s):** Sen. Michael Bennet [D-CO]
- **NE Co-Sponsor(s):** N/A
- **Other Co-Sponsor(s):** N/A

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[6] Mintz, "AI Legislation," Mintz Insights (a. 2023), 1.

- **Summary**: "The bill would establish an 'AI Task Force' composed of regulators from a variety of federal agencies. The AI Task Force would be tasked with reviewing existing regulatory gaps with regard to AI, and recommending 'legislative and regulatory reforms to ensure that uses of artificial intelligence and associated data in Federal Government operations comport with freedom of expression, equal protection, privacy, civil liberties, civil rights, and due process."[7]
- **Bill Text**: https://www.congress.gov/bill/118th-congress/senate-bill/1356/text
- **Press Release**: https://www.bennet.senate.gov/public/index.cfm/2023/4/bennet-introduces-legislation-to-stand-up-an-ai-task-force-to-ensure-responsible-use-of-the-technology-by-the-federal-government#:~:text=The%20ASSESS%20AI%20Act%20would%20create%20a%20cabinet%2Dlevel%20AI,Americans'%20fundamental%20rights%20and%20liberties

S.1394 – BLOCK NUCLEAR LAUNCH BY AUTONOMOUS ARTIFICIAL INTELLIGENCE*

- **Date Introduced**: 05/01/2023
- **Lead Sponsor(s)**: Sen. Edward Markey [D-MA]
- **NE Co-Sponsor(s)**:
  - Sen. Elizabeth Warren [D-MA]
  - Sen. Bernard Sanders [I-VT]
- **Other Co-Sponsor(s):**
  - **Sen**. Jeff Merkley [D-OR]
- **Summary**: Regarding the CCW, this bill would prohibit the appropriation of funds toward systems that are not subject to "meaningful human control" to launch a nuclear weapon or select and engage targets for the purposes of launching a nuclear weapon.
- **Bill Text**: https://www.congress.gov/bill/118th-congress/senate-bill/1394/text
- **Press Release**: https://www.markey.senate.gov/news/press-releases/markey-lieu-beyer-and-buck-introduce-bipartisan-legislation-to-prevent-ai-from-launching-a-nuclear-weapon
  Please see House companion bill H.R.2894 on page 6.

S.1564 – AI LEADERSHIP TRAINING ACT

- **Date Introduced:** 05/11/2023

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[7] Mintz, "AI Legislation," Mintz Insights (a. 2023), 1.
* *Please see Senate companion bill S.2894 on page 6.*

- **Lead Sponsor(s)**: Sen. Gary C. Peters [D-MI]
- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):** Sen. Mike Braun [R-IN]
- **Summary**: This bill would create an artificial intelligence training program for federal management officials, supervisors, and any other employee as determined to be appropriate by the Director of the Office of Personnel Management to improve their understanding of AI applications, including its potential risks and benefits.
- **Bill Text**: https://www.congress.gov/bill/118th-congress/senate-bill/1564/text
- **Press Release**: https://www.peters.senate.gov/newsroom/press-releases/peters-introduces-bipartisan-legislation-to-establish-artificial-intelligence-training-programs-for-federal-workforce-leadership

S.1596 – REAL POLITICAL ADVERTISEMENTS ACT*

- **Date Introduced:** 05/15/2023
- **Lead Sponsor(s)**: Sen. Amy Klobuchar [D-MN]
- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):**
  - o Sen. Cory A. Booker [D-NJ]
  - o Sen. Michael F. Bennet [D-CO]
- **Summary**: This bill would require the inclusion of a conspicuous disclaimer on any political advertisements employing text, images, video, or audio produced by or in conjunction with generative artificial intelligence. The Federal Elections Commission would enforce the act and would provide a compliance assessment within two years of enactment.
- **Bill Text**: https://www.congress.gov/bill/118th-congress/senate-bill/1596/text
- **Press Release**: https://www.klobuchar.senate.gov/public/index.cfm/2023/5/klobuchar-booker-bennet-introduce-legislation-to-regulate-ai-generated-content-in-political-ads
  Please see House companion bill H.R.3044 on page 7.

S.1626 – ASK ACT

- **Date Introduced:** 05/16/2023
- **Lead Sponsor(s):** Sen. Rick Scott [R-FL]
- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):** N/A
- **Summary**: This bill would regulate minors' access to artificial intelligence based on rules issued by the Federal Communications Commission in consultation with the Federal Trade Commission. The bill proposes three rules as a floor for the

rules: (1) Parental consent must be acquired from entities offering the use of any artificial intelligence to a minor. (2) Parents may revoke their consent at any time. (3) Parents who choose to revoke their consent shall not be charged a fee for this decision.

- **Bill Text**: https://www.congress.gov/bill/118th-congress/senate-bill/1626/text
- **Press Release**: https://www.rickscott.senate.gov/2023/5/sen-rick-scott-introduces-the-ask-act-to-protect-kids-from-ai

S.1671 – DIGITIAL PLATFORM COMMISSION ACT OF 2023

- **Date Introduced:** 05/18/2023
- **Lead Sponsor(s)**: Sen. Michael Bennet [D-CO]
- **NE Co-Sponsor(s**): Sen. Peter Welch [D-VT]
- **Other Co-Sponsor(s):** N/A
- **Summary**: "This bill establishes a commission to regulate digital platforms. These are online services that facilitate interactions between users and between users and entities (including online services) that offer goods and services. The bill provides the commission with rulemaking, investigative, and related authorities to regulate access to, competition among, and consumer protections for digital platforms. This includes setting standards for age verification and age-appropriate design. The bill also provides for administrative and judicial enforcement of the regulations. The commission must establish a council of technical experts, representatives of digital platforms, and other experts (e.g., representatives of nonprofit public interest groups and academics) to recommend standards for algorithmic processes and other policies." [8]
- **Bill Text**: https://www.congress.gov/bill/118th-congress/senate-bill/1671/text
- **Press Release**: https://www.bennet.senate.gov/public/index.cfm/2023/5/bennet-welch-reintroduce-landmark-legislation-to-establish-federal-commission-to-oversee-digital-platforms#:~:text=introduced%20the%20Digital%20Platform%20Commission,and%20defend%20the%20public%20interest.

S.1865 – TAG ACT

- **Date Introduced**: 06/14/23
- **Lead Sponsor(s)**: Sen. Gary C. Peters [D-MI]
- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):**
  - Sen. Mike Braun [R-IN]

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[8] Mintz, "AI Legislation," Mintz Insights (a. 2023), 1.

- o   Sen. James Lankford [R-OK]
- **Summary**: The bill would direct the Director of the Office of Management and Budget to issue guidance requiring 'agencies to provide disclosure and opportunity for appeal' when using 'an automated system to determine or substantially influence the outcomes of critical decisions,' such as those that meaningfully impact access to education, employment, housing, essential utilities, and more" [9]
- **Bill Text**: https://www.congress.gov/bill/118th-congress/senate-bill/1865/text
- **Press Release**: https://www.peters.senate.gov/newsroom/press-releases/peters-introduces-bipartisan-bill-to-require-transparency-of-federal-governments-use-of-ai

S.1993 – A BILL TO WAIVE IMMUNITY UNDER SECTION 230 OF THE COMMUNICATIONS ACT OF 1934 FOR CLAIMS AND CHARGES RELATED TO GENERATIVE ARTIFICIAL INTELLIGENCE.

- **Date Introduced**: 06/14/2023
- **Lead Sponsor(s)**: Sen. Josh Hawley [R-MO]
- **NE Co-Sponsor(s)**: Sen. Richard Blumenthal [D-CT]
- **Other Co-Sponsor(s):** N/A
- **Summary**: "The bill would amend Section 230 of the Communications Act of 1934 to exclude entities from Section 230 immunity if the claim or charge brought against the entity 'involves the use or provision of generative artificial intelligence…'" [10]
- **Bill Text**: https://www.congress.gov/bill/118th-congress/senate-bill/1993/text
- **Press Release**: https://www.hawley.senate.gov/hawley-blumenthal-introduce-bipartisan-legislation-protect-consumers-and-deny-ai-companies-section

S.2043 – DEPARTMENT OF STATE AUTHORIZATION ACT OF 2023

- **Date Introduced:** 07/13/23
- **Lead Sponsor(s)**: Sen. Robert Menendez [D-NJ]
- **NE Co-Sponsor(s)**: N/A
- **Other Co-Sponsor(s):** N/A
- **Summary**: "The bill would establish a 'Countering AI-Enabled Disinformation Task Force' to develop a unified international approach regarding potential responses to 'the growing threat of AI-enabled disinformation and its use by

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[9] Mintz, "AI Legislation," Mintz Insights (a. 2023), 1.

[10] Mintz, "AI Legislation," Mintz Insights (a. 2023), 1.

foreign state actors to augment influence operations and disinformation campaigns.' The bill would also establish the position of 'Chief Artificial Intelligence Officer within the State Department, whose primary responsibilities would be to oversee the adoption of AI applications in the State Department and advise the Secretary of State 'on the ethical use of AI and advanced analytics in conducting data-informed diplomacy.'" [11]

- **Bill Text**: https://www.congress.gov/bill/118th-congress/senate-bill/2043/text
- **Press Release**: https://www.foreign.senate.gov/press/dem/release/chairman-menendez-hails-bipartisan-committee-approval-of-state-department-authorization-act-to-modernize-and-advance-us-diplomacy

S.2293 – AI LEAD ACT

- **Date Introduced:** 07/13/2023
- **Lead Sponsor(s):** Sen. Gary C. Peters [D-MI]
- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):** Sen. John, Cornyn [R-TX]
- **Summary**: This bill would require federal agencies to notify individuals when they are interacting with or subject to critical decisions made using certain AI or other automated systems. The bill also directs agencies to establish an appeals process that will ensure there is a human review of AI-generated critical decisions that may negatively affect individuals.
- **Bill Text**: https://www.congress.gov/bill/118th-congress/senate-bill/2293/text
- **Press Release**: https://www.peters.senate.gov/newsroom/press-releases/peters-introduces-bipartisan-bill-to-require-transparency-of-federal-governments-use-of-ai

S.2325 – ALGORITHMIC JUSTICE AND ONLINE PLATFORM TRANSPARENCY ACT*

- **Date Introduced**: 07/13/2023
- **Lead Sponsor(s)**: Sen. Edward J. Markey [D-MA]
- **NE Co-Sponsor(s**):
  - ○ Sen. Sheldon Whitehouse [D-RI]
  - ○ Sen. Elizabeth Warren [D-MA]
- **Other Co-Sponsor(s):** N/A
- **Summary**: "The bill would establish certain requirements for online platforms utilizing algorithms for the purpose of content amplification, recommendation, or promotion. These include transparency and record-keeping requirements

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[11] Mintz, "AI Legislation," Mintz Insights (a. 2023), 1.

regarding the data collection and processing practices underlying these algorithms, disclosure 'in conspicuous, accessible, and plain language that is not misleading a complete description of the online platform's content moderation practices,' and the publishing of annual transparency reports regarding content moderation practices. Online platforms would be prohibited from employing 'an algorithmic process in a manner that is not safe and effective' or utilizing an algorithmic process to discriminate against a user. The bill would also establish an 'Interagency Task Force on Algorithmic Processes on Online Platforms" that would "conduct a study on the discriminatory use of personal information by online platforms in algorithmic processes.' This bill would be enforceable by the Federal Trade Commission, State Attorneys General, the Department of Justice, or a private right of action." [12]

- **Bill Text**: https://www.congress.gov/bill/118th-congress/senate-bill/2325/text
- **Press Release**: https://www.markey.senate.gov/news/press-releases/sen-markey-rep-matsui-lets-ban-big-techs-black-box-algorithms-that-perpetuate-discrimination-inequality-and-racism-in-society#:~:text=Senator%20Markey%20and%20Congresswoman%20Matsui's,making%20is%20fair%20and%20transparent.
  * Please see House companion bill H.R.4624 on page 11.

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[12] Mintz, "AI Legislation," Mintz Insights (a. 2023), 1.

S.2333 – PANDEMIC AND ALL-HAZARDS PREPAREDNESS AND RESPONSE ACT

- **Date Introduced**: 07/20/23
- **Lead Sponsor(s)**: Sen. Robert P. Casey [D-PA]
- **NE Co-Sponsor(s**):
    - Sen. Bernard Sanders [I-VT]
- **Other Co-Sponsor(s):**
    - Sen. Mitt Romney [R-UT]
    - Sen. Bill Cassidy [R-LA]
- **Summary**: "The bill would direct the Secretary of Health and Human Services to develop a strategy for 'public health preparedness and response to address the risks of misuse of artificial intelligence that present a threat to national health security' and strategies to mitigate these risks."[13]
- **Bill Text**: https://www.congress.gov/bill/118th-congress/senate-bill/2333/text
- **Press Release**: https://www.casey.senate.gov/news/releases/casey-romney-pandemic-preparedness-bill-passed-out-of-senate-health-committee

S.2346 – STRATEGY FOR PUBLIC HEALTH PREPAREDNESS AND RESPONSE TO ARTIFICIAL INTELLIGENCE THREATS

- **Date Introduced:** 07/18/2023
- **Lead Sponsor(s):** Sen. Ted Budd [R-NC]
- **NE Co-Sponsor(s)**: Sen. Edward J. Markey [D-MA]
- **Other Co-Sponsor(s):** N/A
- **Summary**: This bill would require the "Secretary of Health and Human Services to develop a strategy for public health preparedness and response to artificial intelligence threats," in consultation with public and private stakeholders.
- **Bill Text**: https://www.congress.gov/bill/118th-congress/senate-bill/2346/text
- **Press Release**: https://www.markey.senate.gov/news/press-releases/sens-markey-budd-announce-legislation-to-assess-health-security-risks-of-ai

S.2419 – NO ROBOT BOSSES ACT

- **Date Introduced**: 07/20/2023
- **Lead Sponsor(s)**: Sen. Robert P. Casey [D-PA}
- **NE Co-Sponsor(s)**:
    - Sen. Bernard Sanders [I-VT]
- **Other Co-Sponsor(s):**

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[13] Mintz, "AI Legislation," Mintz Insights (a. 2023), 1.

- o Sen. Brian Schatz [D-HI]
- o Sen. John Fetterman [D-PA]
- **Summary**: The bill would prohibit employers from exclusively relying on automated decision systems when making employment-related decisions regarding anyone 'who is employed by, or otherwise performing work for remuneration for, the employer'. Employers would also be prohibited from using an output produced by an automated decision system to make such employment-related decisions unless the system has had 'pre-deployment testing and validation' with respect to the system's efficacy, compliance with applicable employment discrimination laws, potential discriminatory impact, and compliance with the Artificial Intelligence Risk Management Framework released by the National Institute of Standards and Technology. When such systems make employment-related decisions, the employer must provide 'full, accessible, and meaningful documentation in plain language to such covered individual...on the automated decision system output' within seven days. Such automated systems must be annually tested for discriminatory impact. Within the Department of Labor the bill would establish a 'Technology and Worker Protection Division' within the Department of Labor tasked with enforcing and prescribing regulations pursuant to the act. State attorneys general or State privacy regulators would be able to bring civil actions under this act".[14]
- **Bill Text**: https://www.congress.gov/bill/118th-congress/senate-bill/2419/text
- **Press Release**: https://www.casey.senate.gov/news/releases/no-robot-bosses-casey-introduces-legislation-to-protect-workers-from-being-managed-by-ai-and-bots

S.2440 – EXPLOITATIVE WORKPLACE SURVEILLANCE AND TECHNOLOGIES TASK FORCE ACT OF 2023

- **Date Introduced**: 07/20/2023
- **Lead Sponsor(s)**: Sen. Robert P. Casey [D-PA]
- **NE Co-Sponsor(s**):
- **Other Co-Sponsor(s):**
  - o Sen. Brian Schatz [D-HI]
  - o Sen. John Fetterman [D-PA]
  - o Sen. Cory A. Booker [D-NJ]
- **Summary**: "The bill would establish the 'White House Task Force on Workplace Surveillance and Technologies' staffed by representatives from across the federal bureaucracy. This group would be tasked with studying and evaluating the use of workplace surveillance by employers, including: the prevalence of

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[14] Mintz, "AI Legislation," Mintz Insights (a. 2023), 1.

workplace surveillance across industries, the means by which employers are conducting workplace surveillance, and the use of automated systems to make determinations about worker compensation, responsibility, advancement, and other key matters. This group would report its findings to relevant congressional committees through a series of reports." [15]

- **Bill Text**: https://www.congress.gov/bill/118th-congress/senate-bill/2440/text
- **Press Release**: https://www.casey.senate.gov/news/releases/casey-booker-schatz-introduce-bill-to-protect-workers-from-invasive-exploitative-surveillance-technologies

S.2597 – DIGITAL CONSUMER PROTECTION COMMISSION ACT OF 2023

- **Date Introduced**: 07/27/2023
- **Lead Sponsor(s)**: Sen. Elizabeth Warren [D-MA]
- **NE Co-Sponsor(s)**: N/A
- **Other Co-Sponsor(s):**
  - Sen. Lindsey Graham [R-SC]
- **Summary**: "The bill would subject entities collecting, transferring, or processing personal data to a duty of care mandating, except in limited cases, that such entities not deploy algorithms in a manner likely to lead to injury or discrimination. Such entities must also allow users to opt out of algorithmic recommendation systems that use personal data. The bill would also establish an artificial intelligence advisory board for the purpose of recommending rules to implement regarding AI. Finally, if more than 10% of the owners of an operator of a dominant platform are citizens of a foreign adversary, the operator must sequester any algorithm concerning United States users such that these algorithms are inaccessible to any affiliate of the operator that is based outside of the United States" [16]
- **Bill Text**: https://www.congress.gov/bill/118th-congress/senate-bill/2597/text
- **Press Release**: https://www.warren.senate.gov/newsroom/press-releases/warren-graham-unveil-bipartisan-bill-to-rein-in-big-tech#:~:text=The%20bill%20would%3A,security%2C%20and%20prevent%20harm%20online.

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[15] Mintz, "AI Legislation," Mintz Insights (a. 2023), 1.

[16] Mintz, "AI Legislation," Mintz Insights (a. 2023), 2.

S.2691 – AI LABELING ACT OF 2023

- **Date Introduced**: 07/27/2023
- **Lead Sponsor(s)**: Sen. Brian Schatz [D-HI]
- **NE Co-Sponsor(s)**: N/A
- **Other Co-Sponsor(s):**
  - Sen. John Kennedy [R-LA]
- **Summary**: "The bill would require each generative AI system that, by means of interstate or foreign commerce, produces image, video, or multi-media content to include on such content clear and conspicuous disclosure. Similar requirements would apply to text AI-generated content. Enforcement of this act would be up to the Federal Trade Commission. Additionally, the bill would establish an 'AI-Generated Content Consumer Transparency Working Group' made up of regulators, academics, technologists, and others that would be tasked with creating 'technical standards for AI-generated content detection technology to assist platforms in identifying image, video, audio, and multimedia AI-generated content'" [17]
- **Bill Text**: https://www.congress.gov/bill/118th-congress/senate-bill/2691/text
- **Press Release**: N/A

S.2714 – CREATE WITH ARTIFICIAL INTELLIGENCE ACT OF 2023*

- **Date Introduced:** 07/27/2023
- **Lead Sponsor(s):** Sen. Martin Heinrich [D-NM]
- **NE Co-Sponsor(s**):
  - **N/A**
- **Other Co-Sponsor(s):**
  - Sen. Todd Young [R-IN]
  - Sen. Cory Booker [D-NJ]
  - Sen. Mike Rounds [R-SD]
- **Summary**: The CREATE AI Act aims to establish the National Artificial Intelligence Research Resource (NAIRR). This resource is intended to promote innovation and accessibility in artificial intelligence (AI) research and development. It addresses concerns about limited access to computational resources and datasets by ensuring broader access, particularly for underrepresented groups in STEM fields. The bill establishes a governing structure, including a steering subcommittee and advisory committees, to oversee the NAIRR and its operations. It also outlines criteria for eligible users, resource categories, ethical considerations, and security measures.

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[17] Mintz, "AI Legislation," Mintz Insights (a. 2023), 2.

- **Bill Text**: https://www.congress.gov/bill/118th-congress/senate-bill/2714/text
- **Press Release**: https://www.heinrich.senate.gov/newsroom/press-releases/heinrich-young-booker-rounds-introduce-bipartisan-bill-to-expand-access-to-artificial-intelligence-research
  * Please see House companion bill H.R.5077 on page 13.

S.2765 – ADVISORY FOR AI-GENERATED CONTENT ACT

- **Date Introduced**: 09/12/2023
- **Lead Sponsor(s)**: Sen. Pete Ricketts [R-Ne]
- **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):** N/A
- **Summary**: This bill would mandate that certain categories of AI-generated material be watermarked. AI-generated material that: (1) impersonates a specific individual or group of individuals, (2) is represented as original material by the AI-generated entity that produced the material, (3) meets criteria established by the Federal Trade Commission (FTC), would have to include a watermark in a manner conforming to standards set by the FTC, the Federal Communications Commission, the Attorney General, and Secretary of Homeland Security.
- **Bill Text**: https://www.congress.gov/bill/118th-congress/senate-bill/2765/text
- **Press Release**: https://www.ricketts.senate.gov/press-releases/ricketts-introduces-bill-to-combat-deepfakes-require-watermarks-on-a-i-generated-content/

S. 2765- ADVISORY FOR AI-GENERATED CONTENT ACT
- **Date Introduced:** 09/12/2023
- **Lead Sponsor(s):** Sen. Pete Ricketts [R-NE]
- **NE Co-Sponsor(s):** N/A
- **Other Co-Sponsor(s):** N/A
- **Summary:** This bill would require a watermark for AI-generated materials, and for other purposes.
- **Bill Text:** S. 2765 (Introduced-in-Senate) (congress.gov)
- **Press Release:** Ricketts Introduces Bill to Combat Deepfakes, Require Watermarks on A.I.-Generated Content - Senator Pete Ricketts (senate.gov)

S. 2770- PROTECT ELECTIONS FROM DECEPTIVE AI ACT
- **Date Introduced:** 09/12/2023
- **Lead Sponsor(s):** Sen. Amy Klobuchar [D-MN]
- **NE Co-Sponsor(s**):
  - Sen. Susan Collins [R-ME]
- **Other Co-Sponsor(s):**
  - Sen. Josh Hawley [R-MO]

- o   Sen. Christopher Coons [D-DE]
- o   Sen. Michael Bennet [D-CO]
- o   Sen. Pete Ricketts [R-NE]
- **Summary**: This bill would prohibit the distribution of materially deceptive AI-generated audio or visual media relating to candidates for Federal office, and for other purposes.
- **Bill Text**: S. 2770 (Introduced-in-Senate) (congress.gov)
- **Press Release**: Klobuchar, Hawley, Coons, Collins Introduce Bipartisan Legislation to Ban the Use of Materially Deceptive AI-Generated Content in Elections - News Releases - U.S. Senator Amy Klobuchar (senate.gov)

S. 2892- ALGORITHMIC ACCOUNTABILITY ACT OF 2023*

- **Date Introduced:** 09/21/2023
- **Lead Sponsor(s):** Sen. Ron Wyden [D-OR]
- **NE Co-Sponsor(s):**
  - Sen. Elizabeth Warren [D-MA]
  - Sen. Sheldon Whitehouse [D-RI]
- **Other Co-Sponsor(s):**
  - o   Sen. Cory Booker [D-NJ]
  - o   Sen. Martin Heinrich [D-NM]
  - o   Sen. Gary Peters [D-MI]
  - o   Sen. Robert Casey [D-PA]
  - o   Sen. Ben Lujan [D-NM]
  - o   Sen. Tammy Baldwin [D-WI]
  - o   Sen. Jeff Merkley [D-OR]
  - o   Sen. Brian Schatz [D-HI]
  - o   Sen. Mazie Hirono [D-HI]
- **Summary:** This bill would "direct the Federal Trade Commission to require impact assessments of automated decision systems and augmented critical decision processes, and for other purposes."
- **Bill Text:** S. 2892 (Introduced-in-Senate) (congress.gov)
- **Press Release:** Wyden, Booker and Clarke Introduce Bill to Regulate Use of Artificial Intelligence to Make Critical Decisions like Housing, Employment and Education | U.S. Senator Ron Wyden of Oregon (senate.gov)

*Please see House companion bill H.R. 5628 on page ____.

S. 3050- ARTIFICIAL INTELLIGENCE ADVANCEMENT ACT OF 2023

- **Date Introduced:** 10/17/2023
- **Lead Sponsor(s):** Sen. Mike Rounds [R-SD]
- **NE Co-Sponsor(s):** N/A
- **Other Co-Sponsor(s):**
  - o   Sen. Charles Schumer [D-NY]
  - o   Sen. Todd Young [R-IN]
  - o   Sen. Martin Heinrich [D-NM]

- **Summary:** This bill would "require a report on artificial intelligence regulation in the financial services industry, to establish artificial intelligence bug bounty programs, to require a vulnerability analysis study for artificial intelligence-enabled military applications, and to require a report on data sharing and coordination, and for other purposes".
- **Bill Text:** [S. 3050 (Introduced-in-Senate) (congress.gov)](#)
- **Press Release:** [Young, Heinrich, Booker, Rounds Introduce Bipartisan Bill to Expand Access to Artificial Intelligence Research | U.S. Senator Todd Young of Indiana (senate.gov)](#)

S. 3162- TEST AI ACT OF 2023

- **Date Introduced:** 10/30/2023
- **Lead Sponsor(s):** Sen. Ben Ray Lujan [D-NM]
- **NE Co-Sponsor(s):**
  - Sen. Peter Welch [D-VT]
- **Other Co-Sponsor(s):**
  - Sen. Richard Durbin [D-IL]
  - Sen. John Thune [R-SD]
  - Sen. Marsha Blackburn [R-TN]
  - Sen. James Risch [R-ID]
- **Summary**: This bill would "improve the requirement for the Director of the National Institute of Standards and Technology to establish testbeds to support the development and testing of trustworthy artificial intelligence systems and to improve interagency coordination in development of such testbeds, and for other purposes".
- **Bill Text**: [S. 3162 (Introduced-in-Senate) (congress.gov)](#)
- **Press Release**: [Luján, Colleagues Introduce Bipartisan Legislation to Improve AI Testing and Evaluation Systems, Safeguard Americans Against Risks - Senator Ben Ray Luján (senate.gov)](#)

S. 3205- FEDERAL ARTIFICIAL INTELLIGENCE RISK MANAGEMENT ACT OF 2023

- **Date Introduced:** 11/02/2023
- **Lead Sponsor(s):** Sen. Jerry Moran [R-KS]
- **NE Co-Sponsor(s):** N/A
- **Other Co-Sponsor(s):**
  - Sen. Mark Warner [D-VA]
- **Summary**: This bill directs federal agencies to use the Artificial Intelligence Risk Management Framework developed by the National Institute of Standards and Technology (NIST) regarding the use of artificial intelligence (AI). Specifically, the bill requires NIST to issue guidelines for agencies to incorporate the framework into their AI risk management efforts, which shall, among other things provide standards, practices, and tools consistent with the framework and how they can leverage the framework to reduce risks to people and the planet for agency implementation in the development, procurement, and use of AI; specify

appropriate cybersecurity strategies and the installation of effective cybersecurity tools to improve security of AI systems; and set minimum requirements for developing profiles for agency use of AI.

- **Bill Text**: S. 3205 (Introduced-in-Senate) (congress.gov)
- **Press Release**: Sens. Warner, Moran Introduce Legislation to Establish AI Guidelines for Federal Government - Press Releases - Mark R. Warner (senate.gov)
  Please see House companion bill H.R. 6938 on page _____.

S. 3312- ARTIFICIAL INTELLIGENCE RESEARCH, INNOVATION, AND ACCOUNTABILITY ACT OF 2023

- **Date Introduced:** 11/15/2023
- **Lead Sponsor(s):** Sen. John Thune [R-SD]
  - **NE Co-Sponsor(s**): N/A
- **Other Co-Sponsor(s):**
  - Sen. Amy Klobuchar [D-MN]
  - Sen. Roger Wicker [R-MS]
  - Sen. John Hickenlooper [D-CO]
  - Sen. Ben Ray Lujan [D-NM]
  - Sen. Shelley Moore Capito [R-WV]
  - Sen. Tammy Baldwin [D-WI]
  - Sen. Cynthia Lummis [R-WY]
- **Summary**: This bill would provide a framework for artificial intelligence innovation and accountability, and for other purposes.
- **Bill Text**: S. 3312 (Introduced-in-Senate) (congress.gov)
- **Press Release**: Klobuchar, Thune, Commerce Committee Colleagues Introduce Bipartisan AI Bill to Strengthen Accountability and Boost Innovation - News Releases - U.S. Senator Amy Klobuchar (senate.gov)

S. 3478- ELIMINATING BIAS IN ALGORITHMIC SYSTEMS ACT OF 2023

- **Date Introduced:** 12/12/2023
- **Lead Sponsor(s):** Sen. Ed Markey [D-MA]
- **NE Co-Sponsor(s**):
  - Sen. Elizabeth Warren [D-MA]
  - Sen. Peter Welch [D-VT]
- **Other Co-Sponsor(s):**
  - Sen. Amy Klobuchar [D-MN]
  - Sen. Cory Booker [D-NJ]
  - Sen. Ben Ray Lujan [D-NM]
  - Sen. Ron Wyden [D-OR]
- **Summary**: This bill would "require agencies that use, fund, or oversee algorithms to have an office of civil rights focused on bias, discrimination, and other harms of algorithms, and for other purposes".
- **Bill Text**: S. 3478 (Introduced-in-Senate) (congress.gov)
- **Press Release:** Senator Markey Introduces Legislation to Mandate Civil Rights Offices in Federal Agencies that Handles Artificial Intelligence (senate.gov)

S. 3554- FAIRR ACT

- **Date Introduced:** 12/18/2023
- **Lead Sponsor(s):** Sen. Mark Warner [D-VA]
  - **NE Co-Sponsor(s):** N/A
- **Other Co-Sponsor(s):**
  - Sen. John Kennedy [R-LA]
- **Summary**: This bill would "amend the Financial Stability Act of 2010 to provide the Financial Stability Oversight Council with duties regarding artificial intelligence in the financial sector, and for other purposes".
- **Bill Text**: S. 3554 (Introduced-in-Senate) (congress.gov)
- **Press Release**: Warner, Kennedy Introduce Legislation to Require Financial Regulators to Respond to AI Market Threats - Press Releases - Mark R. Warner (senate.gov)

S. 3696- DEFIANCE ACT OF 2024

- **Date Introduced:** 01/30/2024
- **Lead Sponsor(s):** Sen. Richard Durbin [D-IL]
- **NE Co-Sponsor(s):** N/A
- **Other Co-Sponsor(s):**
  - Sen. Lindsey Graham [R-SC]
  - Sen. Josh Hawley [R-MO]
  - Sen. Amy Klobuchar [D-MN]
- **Summary**: This bill would "improve rights to relief for individuals affected by non-consensual activities involving intimate digital forgeries, and for other purposes".
- **Bill Text**: S. 3696 (Introduced-in-Senate) (congress.gov)
- **Press Release**: Press Release | Press Releases | Newsroom | U.S. Senator Dick Durbin of Illinois (senate.gov)

S. 3732- ARTIFICIAL INTELLIGENCE ENVIRONMENTAL IMPACTS OF 2024

- **Date Introduced:** 02/01/2024
- **Lead Sponsor(s):** Sen. Ed Markey [D-MA]
- **NE Co-Sponsor(s):**
  - Sen. Peter Welch [D-VT]
- **Other Co-Sponsor(s):**
  - Sen. Martin Heinrich [D-NM]
  - Sen. Ron Wyden [D-OR]
  - Sen. Alex Padilla [D-CA]
  - Sen. Cory Booker [D-NJ]
- **Summary:** This bill would "require the Administrator of the Environmental Protection Agency to carry out a study on the environmental impacts of artificial intelligence, to require the Director of the National Institute of Standards and Technology to convene a consortium on such environmental impacts, and to require the Director to develop a voluntary reporting system for the reporting of the environmental impacts of artificial intelligence, and for other purposes".

- **Bill Text**: S. 3732 (Introduced-in-Senate) (congress.gov)
- **Press Release**: Markey, Heinrich, Eshoo, Beyer Introduce Legislation to Investigate, Measure Environmental Impacts of Artificial Intelligence (senate.gov)

Please see House companion bill H.R. 7197 on page 18.

S. 3792- TECHNOLOGY WORKFORCE FRAMEWORK ACT OF 2024

- **Date Introduced:** 02/08/2024
- **Lead Sponsor(s):** Sen. Gary Peters [D-MI]
- **NE Co-Sponsor(s):** N/A
- **Other Co-Sponsor(s):**
  - Sen. Eric Schmitt [R-MO]
- **Summary:** This bill would "expand the functions of the National Institute of Standards and Technology to include workforce frameworks for critical and emerging technologies, to require the Director of the National Institute of Standards and Technology to develop an artificial intelligence workforce framework, and periodically review and update the National Initiative for Cybersecurity Education Workforce Framework for Cybersecurity, and for other purposes".
- **Bill Text**: S. 3792 (Introduced-in-Senate) (congress.gov)
- **Press Release**: Peters Introduces Bipartisan Bill to Boo... | Senator Gary Peters (senate.gov)

S. 3849- PROMOTING UNITED STATES LEADERSHIP IN STANDARDS ACT OF 2024

- **Date Introduced:** 02/29/2024
- **Lead Sponsor(s):** Sen. Mark Warner [D-VA]
- **NE Co-Sponsor(s):** N/A
- **Other Co-Sponsor(s):**
  - Sen. Marsha Blackburn [R-TN]
- **Summary:** This bill would "promote United States leadership in technical standards by directing the National Institute of Standards and Technology and the Department of State to take certain actions to encourage and enable United States participation in developing standards and specifications for artificial intelligence and other critical and emerging technologies, and for other purposes".
- **Bill Text:** S. 3849 (Introduced-in-Senate) (congress.gov)
- **Press Release**: Warner, Blackburn Introduce Legislation to Reestablish U.S. Leadership in International Standards-Setting for Emerging Tech - Press Releases - Mark R. Warner (senate.gov)

S. 3875- AI TRANSPARENCY IN ELECTIONS ACT OF 2024

- **Date Introduced:** 03/06/2024
- **Lead Sponsor(s):** Sen. Amy Klobuchar [D-MN]
- **NE Co-Sponsor(s):** N/A

- **Other Co-Sponsor(s):**
  - o Sen. Lisa Murkowski [R-AK]
- **Summary:** This bill would "amend the Federal Election Campaign Act of 1971 to provide further transparency for the use of content that is substantially generated by artificial intelligence in political advertisements by requiring such advertisements to include a statement within the contents of the advertisements if generative AI was used to generate any image, audio, or video footage in the advertisements, and for other purposes".
- **Bill Text:** S. 3875 (Introduced-in-Senate) (congress.gov)
- **Press Release**: Klobuchar, Murkowski Introduce Bipartisan Legislation to Require Transparency in Political Ads with AI-Generated Content - News Releases - U.S. Senator Amy Klobuchar (senate.gov)

S. 3888- TAME EXTREME WEATHER ACT

- **Date Introduced:** 03/06/2024
- **Lead Sponsor(s):** Sen. Brian Schatz [D-HI]
- **NE Co-Sponsor(s):**
  - o Sen. Peter Welch [D-VT]
- **Co-Sponsor(s):**
  - o Sen. Ben Ray Lujan [D-NM]
  - o Sen. Laphonza Butler [D-CA]
- **Summary:** This bill would "mandate the use of artificial intelligence by Federal agencies to adapt to extreme weather, and for other purposes".
- **Bill Text:** S. 3888 (Introduced-in-Senate) (congress.gov)
- **Press Release**: Schatz, Luján, Butler, Welch Introduce Legislation Promoting Use Of AI To Predict, Respond To Extreme Weather | U.S. Senator Brian Schatz (senate.gov)

S. 3897- PREPARING ELECTION ADMINISTRATORS FOR AI ACT

- **Date Introduced:** 03/11/2024
- **Lead Sponsor(s):** Sen. Amy Klobuchar [D-MN]
- **NE Co-Sponsor(s):**
  - Sen. Susan Collins [R-ME]
- **Co-Sponsor(s):** N/A
- **Summary:** This bill would "require the Election Assistance Commission to develop voluntary guidelines for the administration of elections that address the use and risks of artificial intelligence technologies, and for other purposes".
- **Bill Text:** S. 3897 (Introduced-in-Senate) (congress.gov)
- **Press Release**: Klobuchar, Collins Introduce Bipartisan Bill to Provide AI Guidelines for Election Offices - News Releases - U.S. Senator Amy Klobuchar (senate.gov)

S. 3975- AI CONSENT ACT

- **Date Introduced:** 03/19/2024
- **Lead Sponsor(s):** Sen. Peter Welch [D-VT]
- **NE Co-Sponsor(s):** N/A

- **Other Co-Sponsor(s):**
  - Sen. Ben Ray Lujan
- **Summary:** This bill would **"**require companies to receive consent from consumers to having their data used to train an artificial intelligence system".
- **Bill Text**: S. 3975 (Introduced-in-Senate) (congress.gov)
- **Press Release:** Welch, Luján Introduce Bill to Require Online Platforms Receive Consumers' Consent Before Using Their Personal Data to Train AI Models | Senator Welch (senate.gov)

S. 4178- ARTIFICIAL INTELLIGENCE INNOVATION ACT

- **Date Introduced:** 04/18/2024
- **Lead Sponsor(s):** Sen. Maria Cantwell [D-WA]
- **NE Co-Sponsor(s):** N/A
- **Other Co-Sponsor(s):**
  - Sen. Todd Young [R-IN]
  - Sen. John Hickenlooper [D-CO]
  - Sen. Marsha Blackburn [R-TN]
- **Summary:** This bill would "establish artificial intelligence standards, metrics, and evaluation tools, to support artificial intelligence research, development, and capacity building activities, to promote innovation in the artificial intelligence industry by ensuring companies of all sizes can succeed and thrive, and for other purposes".
- **Bill Text**: S. 4178 (Introduced-in-Senate) (congress.gov)
- **Press Release:** Press Releases | News | U.S. Senator Maria Cantwell of Washington (senate.gov)

S. 4230- SECURE ARTIFICIAL INTELLIGENCE ACT OF 2024

- **Date Introduced:** 05/01/2024
- **Lead Sponsor(s):** Sen. Mark Warner [D-VA]
- **NE Co-Sponsor(s):** N/A
- **Other Co-Sponsor(s):**
  - Sen. Thomas Tillis [R-NC]
- **Summary:** This bill would "improve the tracking and processing of security and safety incidents and risks associated with artificial intelligence, and for other purposes".
- **Bill Text**: S. 4230 (Introduced-in-Senate) (congress.gov)
- **Press Release:** Warner, Tillis Introduce Legislation to Advance Security of Artificial Intelligence Ecosystem - Press Releases - Mark R. Warner (senate.gov)

S. 4236- AI GRAND CHALLENGES ACT

- **Date Introduced:** 05/01/2024
- **Lead Sponsor(s):** Sen. Cory Booker [D-NJ]
- **NE Co-Sponsor(s):** N/A
- **Other Co-Sponsor(s):**

- o   Sen. Mike Rounds [R-SD]
- o   Sen. Martin Heinrich [D-NM]
- **Summary:** This bill would "authorize the Director of the National Science Foundation to identify grand challenges and award competitive prizes for artificial intelligence research and development".
- **Bill Text**: [AEG24182 (senate.gov)](#)
- **Press Release:** [Rounds, Booker, Heinrich Announce Bipart... | U.S. Senator Mike Rounds (senate.gov)](#)

S. 4306- FIVE AIS ACT

- **Date Introduced:** 05/09/2024
- **Lead Sponsor(s):** Sen. Jacky Rosen [D-NV]
- **NE Co-Sponsor(s):** N/A
- **Other Co-Sponsor(s):**
  - o   Sen. Ted Budd [R-NC]
- **Summary:** This bill would "develop and coordinate an artificial intelligence (AI) initiative between the United States, the United Kingdom, Canada, Australia, and New Zealand".
- **Bill Text**: **N/A**
- **Press Release:** [Rosen, Budd Introduce Bipartisan Bill to Increase AI Collaboration with Closest Intelligence Allies - Jacky Rosen (senate.gov)](#)

S. 4394- NSF AI EDUCATION ACT OF 2024

- **Date Introduced:** 05/22/2024
- **Lead Sponsor(s):** Sen. Maria Cantwell [D-WA]
- **NE Co-Sponsor(s):** N/A
- **Other Co-Sponsor(s):**
  - o   Sen. Jerry Moran [R-KS]
- **Summary:** This bill would "support National Science Foundation education and professional development relating to artificial intelligence".
- **Bill Text**: [BOM24263 (senate.gov)](#)
- **Press Release:** [Press Releases | News | U.S. Senator Maria Cantwell of Washington (senate.gov)](#)

POLICY FRAMEWORKS

BLUEPRINT FOR AN AI BILL OF RIGHTS

- **Date Introduced:** 01/26/2023
- **Lead Sponsor:** White House Office of Science and Technology Policy
- **Summary**: A framework for the regulation of Artificial Intelligence focused on the development of "Safe and Effective Systems," "Algorithmic Discrimination Protections," "Data Privacy," "Notice and Explanation," and "Human Alternatives."
- **Press Release**: https://www.whitehouse.gov/ostp/ai-bill-of-rights/

NIST RISK MANAGEMENT FRAMEWORK

- **Date Introduced:** 01/26/2023
- **Lead Sponsor:** National Institute of Standards and Technology
- **Summary**: "The AI RMF is divided into two parts. The first part discusses how organizations can frame the risks related to AI and outlines the characteristics of trustworthy AI systems. The second part, the core of the framework, describes four specific functions — govern, map, measure, and manage — to help organizations address the risks of AI systems in practice. These functions can be applied in context-specific use cases and at any stage of the AI life cycle."
- **Press Release**: https://www.nist.gov/news-events/news/2023/01/nist-risk-management-framework-aims-improve-trustworthiness-artificial

SAFE INNOVATION FRAMEWORK

- **Date Introduced:** 06/21/2023
- **Lead Sponsor:** Sen. Chuck Schumer [D-NY]
- **Summary**: A series of policy objectives proposed by Senator Schumer to promote the economic benefits and manage the security risks of artificial intelligence. The central objectives are Security, Accountability, Foundations, Explanation, and Innovation. Industry professionals have since criticized the framework for its lack of strategic detail.
- **Press Release**: https://www.democrats.senate.gov/imo/media/doc/schumer_ai_framework.pdf

SENATORS' BLUMENTHAL & HAWLEY COMPREHENSIVE AI FRAMEWORK

- **Date Introduced:** 09/08/2023
- **Lead Sponsor(s):**
  - Sen. Richard Blumenthal [D-CT]
  - Sen. Josh Hawley [R-MO]

- **Summary:** "The framework lays out specific principles for upcoming legislative efforts, including the establishment of an independent oversight body, ensuring legal accountability for harms, defending national security, promoting transparency, and protecting consumers and kids…Specifically, the framework would Establish a Licensing Regime Administered by an Independent Oversight Body…Ensure Legal Accountability for Harms…Defend National Security and International Competition…Promote Transparency…Protect Consumers and Kids."[18]
    - **Press Release:** https://www.blumenthal.senate.gov/newsroom/press/release/blumenthal-and-hawley-announce-bipartisan-framework-on-artificial-intelligence-legislation

COMMITTEE HEARINGS

SENATE JUDICIARY – SUBCOMMITTEE ON PRIVACY, TECHNOLOGY, AND LAW

OVERSIGHT OF AI: PRINCIPLES FOR REGULATION

- **Date:** 07/25/2023
- **Panel Members in Attendance**:
    - Sen. Richard Blumenthal [D-CT]
    - Sen. Josh Hawley [R-MO]
    - Sen. Amy Klobuchar [D-MN]
    - Sen. Marsha Blackburn [R-TN]
- **NE Panel Members**:
    - Sen. Richard Blumenthal [D-CT]
- **Witnesses**:
    - Dario Amodei, Anthropic CEO
    - Yoshua Bengio, Quebec AI Institute Founder
    - Stuart Russell, UCB Computer Science Professor
- **Summary**: Panelists questioned the witnesses on future developments in AI technologies. Their questions centered on themes of election integrity, deepfakes, privacy and identity rights, labor rights, international competition, rouge AI, and consumer safety. The witnesses made certain policy recommendations, including (1) Establishing a federal AI research board to predict and respond to AI threats a/o malfunctions. (2) Mandating the

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[18] Blumenthal, Richard, "Blumenthal & Hawley Announce Bipartisan Framework on Artificial Intelligence Legislation", Press Releases (a. 2023).

implementation of "constitutional AI system[s]" to train new AI and prevent potential threats. (3) Mandating accident and incident reports on AI threats a/o malfunctions. (4) Mandating watermarks a/o other forms of disclosure of AI-generated text, images, and audio. (5) Establishing IP protections for consumers of AI, as well as for workers in the entertainment industry.

- **Press Release**: https://www.blumenthal.senate.gov/newsroom/press/release/blumenthal-questions-anthropic-ceo-and-academic-leaders-about-principles-for-regulating-artificial-intelligence

SENATE COMMITTEE ON ENERGY AND NATURAL RESOURCES

HEARING TO EXAMINE RECENT ADVANCES IN AI AND THE DEPARTMENT OF ENERGY'S ROLE IN ENSURING U.S. COMPETITIVENESS AND SECURITY

- **Date:** 09/07/2023
- **Panel Members**:
  - Sen. Joe Manchin [D-WV]
  - Sen. John Barrasso [D-WY]
- **NE Panel Members**:
  - Sen. Angus King [I-ME]
- **Witnesses**:
  - Deputy Secretary David Turk
- **Summary**: At the hearing, Committee Chairman Joe Manchin (D-WV) lauded the potential of AI, but he also voiced concerns over the national security of AI development amidst Chinese competition. "It is clear to me that DoE needs to do more strategic planning around AI so that Americans have confidence that we are leveraging our key resources, such as our national labs, to their fullest potential," noted the Chairman. Testifying before the Committee, Deputy Secretary of Energy David Turk maintained that the benefits of AI technology would outweigh the risks so long as risk matrices and inter-departmental coordination efforts remain strong. "We're sitting on a treasure trove of data from previous applicants for different permits out there," said Secretary Turk. The Secretary added, "We can take advantage of that data in a way that allows us to do what we need to do, which is build out our electricity infrastructure, our transmission, and other kinds of infrastructure that we need in our country."
- **Press Release**: https://www.manchin.senate.gov/newsroom/press-releases/manchin-questions-witnesses-on-rapid-development-of-artificial-intelligence-energy-departments-role-in-ensuring-security

INDUSTRY USES

ARTICLES

OVERVIEW – KEY TAKEAWAYS FROM POLITICO'S 2023 AI & TECH SUMMIT

- **Date Published:** 09/27/2023
- **Publisher:** POLITICO
- **Summary:** The 2023 AI & Tech Summit at POLITICO highlighted the urgent need for AI regulation in Washington. Experts and leaders emphasized the complex balance between the vast opportunities AI presents, such as climate monitoring and national defense, and the equally significant risks, including discrimination and energy consumption. Accessibility to powerful AI models like ChatGPT has made AI a tangible concern for policymakers. Lawmakers acknowledged their early-stage efforts to legislate AI, debating whether to adopt a broad-based or sectoral approach, while agencies like the FTC signaled their readiness to regulate anti-competitive AI practices. In the absence of comprehensive legislation, businesses are encouraged to adopt self-governance measures, with a focus on shared norms and best practices to address AI challenges. Challenges in AI Regulation: POLITICO's 2023 AI & Tech Summit brought to light the pressing need for AI regulation in Washington. Experts and leaders at the summit recognized the intricate balance between the vast opportunities offered by AI, such as climate monitoring and national defense, and the substantial risks, including discrimination and energy consumption. They noted that the accessibility of powerful AI models like ChatGPT has made AI a tangible concern for policymakers. The following are the notable takeaways:
    - o Lack of Comprehensive Legislation: Lawmakers, still in the early stages of regulating AI, debated whether to pursue a broad-based or sectoral approach to legislation. Congress is facing challenges in matching the pace of innovation with legislative efficiency, and external factors like a possible government shutdown further complicate the process.
    - o Agencies Take the Lead: Some believe that federal agencies, like the FTC, may play a crucial role in regulating AI. FTC Chair Lina Khan emphasized the agency's commitment to pursuing businesses engaged in anticompetitive AI practices. An agency-by-agency model of regulation based on specific AI use cases is seen as a practical approach in the absence of comprehensive legislation.
    - o Reliance on Self-Governance: With formal AI regulation still in flux, industry players are encouraged to propose their own solutions. The Biden administration is fostering voluntary commitments from companies to manage AI risks. Technologists stressed the importance of developing

shared norms, best practices, and guardrails within the industry to address AI's multifaceted challenges.

- **Link**: https://www.politico.com/news/2023/09/27/key-takeaways-from-politicos-2023-ai-tech-summit-00118555

HEALTHCARE – STUDY SHOWS THAT AI COULD HELP DETECT MORE CANCERS FROM MAMMOGRAMS

- **Date Published:** 08/02/2023
- **Publisher:** The Hill
- **Summary:** Initial analysis has shown that AI analysis of mammograms detected more cancers than a pair of breast radiologists looking at the same screenings while decreasing the workload for radiologists by almost half. Although further randomized trials are necessary, this suggests that AI could be utilized to improve the efficiently
- **Link**: https://thehill.com/policy/healthcare/4134372-study-shows-ai-could-help-detect-more-cancers-from-mammograms/

TECHNOLOGY – AI COMPANIES TRY TO SELF-REGULATE

- **Date:** 08/02/2023
- **Publisher:** POLITICO
- **Summary:** A new group called the Frontier Model Forum, comprising Microsoft, OpenAI, Google, and Anthropic, has been established to develop best practices for the AI industry and research AI safety. This group aims to bridge the AI industry and policymakers with international ambitions to influence government AI efforts, such as the G7 Hiroshima process and the OECD's work on AI risks and standards. While some critics are cautious about industry self-regulation, others argue that there is a need for private voluntary action to address safety and ethics concerns in generative AI.
- **Link:** https://www.politico.com/newsletters/digital-future-daily/2023/08/02/ai-companies-try-to-self-regulate-00109502

AVANGRID INC.

- **Industry:** Energy
- **Date Published**: 08/17/2023
- **Summary**: [Avangrid, Inc.](#) has formed a unique team of engineers, data scientists, and analysts to utilize artificial intelligence (AI) technology to help build storm resiliency in the power grid. Specifically, the team will focus on building out three unique AI systems. Predictive Health Analytics, GeoMesh, and HealthAI will predict equipment life expectancy based on use frequency, use climate and spatial data to forecast harsh weather performance, and catalog local distribution infrastructure to identify threats to power lines, respectively.
- **Link to Article**: https://www.hartfordbusiness.com/article/avangrid-creates-in-house-ai-team-to-boost-grid-reliability

UNIVERSITY OF SOUTHERN MAINE

- **Industry:** Education/Ethics
- **Date Published**: 09/11/2023
- **Summary**: Researchers at the University of Southern Maine are developing an ethics training program to prevent scientists and researchers, particularly in AI and technology, from resorting to unethical shortcuts and cheating. The program, funded by a $400,000 grant from the National Science Foundation, focuses on understanding the reasons behind unethical research decisions and aims to instill self-awareness in individuals to make ethical choices, even under high-pressure circumstances. The initiative addresses the increasing ethical challenges posed by AI and digital technologies in research and academia, intending to ensure integrity and trustworthiness in scientific research.
- **Link to Article**: https://www.pressherald.com/2023/09/05/usm-tapped-to-develop-ethics-training-in-age-of-artificial-intelligence

BIOGEN

- **Industry:** Healthcare
- **Date Published**: 02/23/2023
- **Summary**: Biogen has partnered with Mila, an AI lab based in Quebec, to advance artificial intelligence (AI) and machine learning (ML) innovation in therapy development. The collaboration will leverage Mila's AI/ML expertise and Biogen's rich neuroscience research datasets to accelerate therapy development and enhance its success rate. Over three years, the collaboration will focus on utilizing advanced analytics and AI/ML to address complex research questions,

including improving diagnostics and disease prognostication to increase clinical trial efficiency and deliver better patient therapies faster.

- **Link to Article**: https://mila.quebec/en/biogen_mila/

AT&T

- **Industry:** Technology
- **Date Published**: 06/20/2023
- **Summary**: *"[U]sing AI to help optimize our network; upgrading legacy software code and environments; making our care representatives even more effective at supporting our customers; giving our employees quick and simple answers to certain HR questions; and fundamentally changing the way we work with the ability to reduce employee meeting time by providing automated summaries and action items."*
- **Link to Article**: https://about.att.com/blogs/2023/generative-ai.html

GENERAL DYNAMICS

- **Industry:** Defense
- **Date Published**: 02/13/2023
- **Summary**: In December 2022, the Department of Defense executed 12 flight tests using the X-62A VISTA aircraft developed by General Dynamics, where AI agents piloted the aircraft to perform advanced fighter maneuvers. Autonomous Air Combat Operations (AACO) and Air Combat Evolution (ACE) AI agents engaged in beyond-visual-range and within-visual-range combat scenarios, demonstrating the rapid development and testing of AI-driven autonomy algorithms for tactical aviation. The X-62A VISTA is a valuable test asset, accelerating the maturation of AI-driven autonomy capabilities and new uncrewed vehicle models for the Department of Defense.
- **Link to Article**: https://www.edwards.af.mil/News/Article/3297083/dod-artificial-intelligence-agents-successfully-pilot-fighter-jet/

KEOLIS

- **Industry:** Transportation
- **Date Published**: 03/07/2022
- **Summary**: "Keolis Amey Docklands decided to look to innovation with a trial project of a video surveillance system combined with artificial intelligence: the CCTV AI Trial. In the trial, security camera footage is analyzed by a visual recognition system that rapidly detects and identifies objects on the rails while ignoring the movement of trains. Analyzing the collected data then makes it possible to qualify the event, identify false positives, and alert the KAD control

center for intervention if necessary. The performance of the cameras also plays a determining role in the level of trust that operating teams place in this system."[19]

- **Link to Article**: https://innovation.keolis.com/en/projects-news-insights/artificial-intelligence-improves-safety-along-the-railway-of-the-docklands-light-railway/

MASS GENERAL BRIGHAM

- **Industry:** Healthcare
- **Date Published**: 03/07/2022
- **Summary**: The article discusses the role of artificial intelligence (AI) in revolutionizing various aspects of healthcare, particularly at Brigham and Women's Hospital. AI has become increasingly crucial due to three key developments: the availability of vast electronic data, powerful computational capabilities, and advanced algorithms. These advancements have enabled AI to enhance precision medicine, where AI and big data are used to identify patients with specific disorders and provide tailored treatments.

    Machine learning, a prevalent form of AI, plays a significant role in processing the vast amount of data required for AI-driven projects. For instance, AI algorithms can be trained to distinguish between different conditions or diseases by analyzing a substantial dataset of medical images. This technology is a crucial component of precision medicine, which seeks to predict, prevent, and treat diseases earlier by integrating various patient data.

- **Link to Article**: https://magazine.brighamandwomens.org/features/medicine-in-the-age-of-artificial-intelligence

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[19] Keolis, "Artificial intelligence improves safety along the railway of the Docklands Light Railway", Projects, News & Insights, (a. 2023).