

NIST's Responsibilities Under the October 30, 2023 Executive Order

- **NIST's Responsibilities under Executive Order 14110 on Safe, Secure, and Trustworthy AI** (<https://www.nist.gov/document/nists-responsibilities-under-executive-order-14110-safe-secure-and-trustworthy-ai>) **(Fact Sheet)**
- **NIST Announcement on AI Executive Order Actions** (<https://www.nist.gov/news-events/news/2024/07/department-commerce-announces-new-guidance-tools-270-days-following>) **(07/26/2024)**
- **Department of Commerce Announces New Guidance, Tools 270 Days Following President Biden's Executive Order on AI** (<https://www.commerce.gov/news/press-releases/2024/07/department-commerce-announces-new-guidance-tools-270-days-following>) **(07/26/2024)**
- **White House Fact Sheet on AI Actions** (<https://www.whitehouse.gov/briefing-room/statements-releases/2024/07/26/fact-sheet-biden-harris-administration-announces-new-ai-actions-and-receives-additional-major-voluntary-commitment-on-ai/>) **(07/26/2024)**
- **Department of Commerce Announces New Actions to Implement President Biden's Executive Order on AI** (<https://www.commerce.gov/news/press-releases/2024/04/department-commerce-announces-new-actions-implement-president-bidens>) **(04/29/2024)**
- **White House Executive Order Fact Sheet** (<https://www.whitehouse.gov/briefing-room/statements-releases/2023/10/30/fact-sheet-president-biden-issues-executive-order-on-safe-secure-and-trustworthy-artificial-intelligence/>) **(10/30/2023)**
- **Department of Commerce to Undertake Key Responsibilities in Historic AI Executive Order** (<https://www.commerce.gov/news/press-releases/2023/10/department-commerce-undertake-key-responsibilities-historic-artificial>) **(10/30/2023)**
- For EO-related questions email: ai-inquiries@nist.gov (<https://www.nist.govmailto:ai-inquiries@nist.gov>)
- Sign up for AI email alerts **here** (https://public.govdelivery.com/accounts/USNIST/subscriber/new?topic_id=USNIST_465).

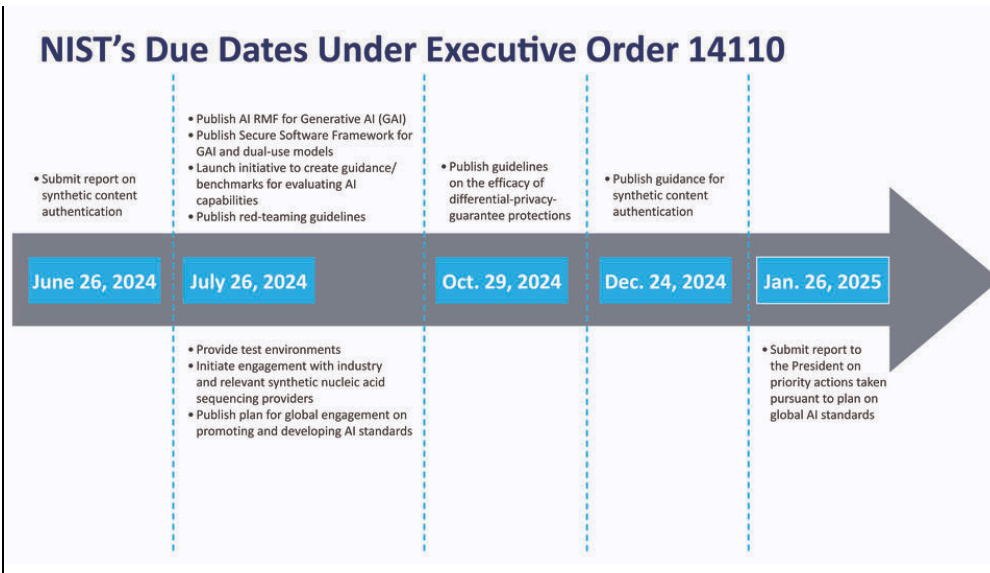
Overview

The President's Executive Order (EO) on Safe, Secure, and Trustworthy Artificial Intelligence (<https://www.whitehouse.gov/briefing-room/presidential-actions/2023/10/30/executive-order-on-the-safe-secure-and-trustworthy-development-and-use-of-artificial-intelligence/>) (14110) issued on October 30, 2023, charges multiple agencies – including NIST – with producing guidelines and taking other actions:

- Develop a companion resource to the NIST AI Risk Management Framework (<https://www.nist.gov/itl/ai-risk-management-framework>), NIST AI 100-1 for generative AI.
- Develop a companion resource to the NIST Secure Software Development Framework (<https://csrc.nist.gov/projects/ssdf>) to incorporate secure-development practices for generative AI and dual-use foundation models.
- Launch a new initiative to create guidance and benchmarks for evaluating AI capabilities, with a focus on capabilities that could cause harm.
- Develop and help to ensure the availability of testing environments in coordination with the Department of Energy (DoE) and the National Science Foundation (NSF).
- Establish guidelines and processes – except for AI used as a component of a national security system – to enable developers of generative AI, especially dual-use foundation models, to conduct AI red-teaming tests to enable deployment of safe, secure, and trustworthy systems.
- Initiate an effort to engage with industry and relevant stakeholders to develop guidelines for possible use by synthetic nucleic acid sequence providers.
- Develop a report to the Director of OMB and the Assistant to the President for National Security Affairs identifying existing standards, tools, methods, and practices, as well as the potential development of further science-backed standards and techniques for authenticating, labeling or detecting synthetic content; preventing generative AI from producing child sexual abuse material or producing non-consensual intimate imagery of real individuals; and testing software for the above mentioned purposes.
- Create guidelines for agencies to evaluate the efficacy of differential-privacy-guarantee protections, including for AI.
- Establish a plan for global engagement on promoting and developing AI standards.

Most of the EO tasks to NIST have a 270 day deadline.

For EO-related questions email: ai-inquiries@nist.gov (<https://www.nist.govmailto:ai-inquiries@nist.gov>).



News and Updates



NIST, Nonprofit Research Consortium to Develop Safety Tools for Synthetic Biology to Defend Against Potential Misuse of AI (<https://www.nist.gov/news-events/news/2024/02/nist-nonprofit-research-consortium-develop-safety-tools-synthetic-biology>).

February 16, 2024

The cooperative agreement is the next step in NIST's fulfillment of the White House Executive Order on Artificial Intelligence.



U.S. Commerce Secretary Gina Raimondo Announces Key Executive Leadership at U.S. AI Safety Institute (<https://www.nist.gov/news-events/news/2024/02/us-commerce-secretary-gina-raimondo-announces-key-executive-leadership-us>).

February 7, 2024

The National Institute for Standards and Technology (NIST) at Commerce will house the U.S. AI Safety Institute.



NIST Offers Draft Guidance on Evaluating a Privacy Protection Technique for the AI Era

(<https://www.nist.gov/news-events/news/2023/12/nist-offers-draft-guidance-evaluating-privacy-protection-technique-ai-era>).

December 11, 2023

The agency has made progress on one of its tasks delineated in the rec
Order on AI.



NIST Seeks Collaborators for Consortium Supporting Artificial Intelligence Safety

([https://www.nist.gov/news-events/news/2023/11/nist-seeks-collaborators-
consortium-supporting-artificial-intelligence](https://www.nist.gov/news-events/news/2023/11/nist-seeks-collaborators-consortium-supporting-artificial-intelligence))

November 2, 2023

The AI Safety Institute Consortium will help develop tools to measure
and improve AI safety and trustworthiness.

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