

National Artificial Intelligence Advisory Committee

Meeting Minutes

November 15, 2023

The National Artificial Intelligence Advisory Committee (NAIAC) held a virtual public meeting on Wednesday, November 15, 2023. The briefing was recorded and is available online.

NAIAC Committee Members

- David Danks
- Victoria Espinel
- Paula Goldman
- Susan Gonzales
- Janet Haven
- Dan Ho
- Ramayya Krishnan
- Haniyeh Mahmoudian
- James Manyika
- Liz O’Sullivan
- Fred Oswald
- Trooper Sanders
- Reggie Townsend
- Miriam Vogel (Chair)

NAIAC-LE Subcommittee Members

- Jane Bambauer (Chair)

National Institute of Standards and Technology (NIST) Staff Members

- Melissa Taylor, NIST
- Alicia Chambers, Designated Federal Officer (DFO), NIST

Meeting Minutes

Welcome Remarks

- Chambers called the meeting to order at 10:08 AM Eastern Time and confirmed the committee is operating under the Federal Advisory Committee Act and accessible to the public via livestream.
- Taylor thanked NAIAC and Law Enforcement Subcommittee members for their service advising the President and the National AI Initiative Office. Taylor thanked members of the public for their participation and shared the NAIAC [email](#) and [mailing list](#).
- Vogel thanked NAIAC members for their ongoing work and NIST staff for their support. The Committee’s publications are available at the NAIAC [website](#). Vogel outlined the meeting agenda: (1) working group (WG) updates, (2) discussion and voting on working group deliverables, and (3) updates from the Law Enforcement Subcommittee.

Working Group Updates

- NAIAC working group chairs reported on their ongoing efforts.

AI Futures – Preparedness, Opportunities, and Competitiveness

- The AI Futures WG will prepare a written synopsis of a recent expert briefing on AI benefits in domains such as education and healthcare. The WG also plans to hold briefings on two topics: (1) potential benefits and risks of AI in science and (2) methods of measuring, evaluating, and safety testing AI models.

AI in Work and the Workforce

- The Workforce WG plans to address (1) the impact of large language models (LLMs) in the workforce, (2) workforce applications of NIST's AI Risk Management Framework (RMF), (3) workforce-related activities mandated by Executive Order (EO) 14110, and (4) the impact of AI on economic productivity measures (e.g., GDP), and possible disruption of the correlation between such measures and individual economic well-being.

Education/Awareness

- The Education/Awareness WG submitted the recommendation *Enhancing AI Literacy for the United States of America* to be discussed and voted on at this meeting. The recommendation calls for the creation of a National AI Literacy Campaign modeled after the Biden Administration's digital equity campaign. It also calls for investment in both formal learning frameworks and informal learning opportunities to advance AI literacy broadly.

International Collaboration

- The International Collaboration WG is developing two workstreams, both of which build on prior NAIAC recommendations: (1) increasing NAIAC's engagement with emerging economies' perspectives on AI, following the July recommendation that global AI summits should include emerging economies (to this end, the WG is holding an 11/16 briefing on AI in Latin America), and (2) supporting the Year 1 recommendation to increase international awareness and adoption of NIST's AI RMF overseas. The WG is investigating one approach, in which they would demonstrate how the AI RMF facilitates progress toward United Nations Sustainable Development Goals (SDGs).

Safety, Trust, and Rights

- The Safety, Trust, and Rights WG is developing workstreams on (1) supporting EO 14110's call for guidance on AI procurement by identifying procurement practices outside the Federal Acquisition Regulation (FAR) for government acquisition of AI (e.g., Other Transaction Authority (OTA) and Commercial Solutions Opening (CSO)); (2) navigating the tension between data minimization principles and required disparity assessments; (3) data transparency; (4) audit standards; and (5) supporting the work of NIST's AI Safety Institute by identifying AI use cases for which benchmarking datasets—akin to NIST's Face Recognition Vendor Test (FRVT)—would have significant impact (e.g., in employment and healthcare contexts).

Deliberation and Vote on Draft Deliverables

National Campaign on Lifelong AI Career Success

Lead: Trooper Sanders, AI in Work and the Workforce Working Group

- Sanders introduced the recommendation, which addresses barriers to entering the AI/tech workforce faced by later-in-life workers, including caregivers, veterans, and military spouses. The recommendation proposes four approaches: (1) correcting misperceptions about the suitability of later-in-life workers for high-tech jobs; (2) promoting the value of later-in-life workers for national economic success; (3) targeting outreach to later-in-life workers to provide skills-based transition support; and (4) generating commitments from employers to target, hire, and train later-in-life workers. The recommendation was updated following discussion at the 10/17 NAIAC public meeting to highlight the inclusion of underrepresented populations and regions, job quality and dignity, and existing workforce transition infrastructure.
- Vogel invited NAIAC members to discuss *National Campaign on Lifelong AI Career Success*. No comments were forthcoming, so Vogel motioned a vote on the recommendation.
- In the presence of quorum, each Member of the Committee was polled and decided by majority vote to advance the recommendation.

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- Miriam Vogel - Approve
 - James Manyika - Approve
 - Amanda Ballantyne - Not present
 - Sayan Chakraborty – Not present
 - Jack Clark – Not present
 - David Danks - Approve
 - Victoria Espinel - Approve
 - Paula Goldman - Approve
 - Susan Gonzales - Approve
 - Janet Haven - Approve
 - Daniel Ho - Approve
 - Ayanna Howard – Not present
 - Jon Kleinberg - Not present

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- Ramayya Krishnan – Approve
 - Ashley Llorens - Not present
 - Haniyeh Mahmoudian – Approve
 - Christina Montgomery - Not present
 - Liz O’Sullivan - Approve
 - Fred Oswald – Approve
 - Frank Pasquale - Not present
 - Trooper Sanders – Approve
 - Navrina Singh - Not present
 - Swami Sivasubramanian – Not present
 - Keith Strier – Not Present
 - Reggie Townsend - Approve

Approve: 14 | Not present: 11

Enhancing AI Literacy for the United States of America

Leads: Reggie Townsend & Susan Gonzelez, Engagement, Education, & Inclusion Working Group

- Townsend and Gonzales introduced the recommendation, which aims to engender widespread basic AI literacy, equipping the American public to participate in an increasingly AI-prevalent world. The recommendation calls for an AI literacy campaign modeled after the Biden Administration’s digital equity campaign. It also calls for investment in both formal educational frameworks and informal learning opportunities.
- Vogel invited NAIAC members to discuss *Enhancing AI Literacy for the United States of America*.
 - Members requested that the WG circulate information about the Federal Communications Commission’s (FCC’s) [Universal Service Fund](#), which provides the model for the recommended AI Literacy Fund.
 - Members agreed that AI literacy efforts should inform people about their rights as they engage with or are impacted by AI. Haven also noted that AI expertise and education are reciprocal: while education programs might foster AI literacy and competence among the public, people throughout society have lived *experience* of AI’s impacts, and these experiences are a valuable form of expertise that should inform AI governance efforts.
 - Gonzales and Townsend noted that the recommendation calls for community-based non-governmental organizations (NGOs) to administer local AI literacy programs, with the intention of fostering meaningful community engagement responsive to participants’ needs and concerns.
- Vogel motioned a vote on the recommendation. In the presence of quorum, each Member of the Committee was polled and decided by majority vote to advance the recommendation.

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- Miriam Vogel - Approve
 - James Manyika – Not present
 - Amanda Ballantyne - Not present
 - Sayan Chakraborty – Not present
 - Jack Clark – Not present
 - David Danks - Approve
 - Victoria Espinel - Approve
 - Paula Goldman - Approve
 - Susan Gonzales - Approve
 - Janet Haven - Approve
 - Daniel Ho - Approve
 - Ayanna Howard – Not present
 - Jon Kleinberg - Not present

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- Ramayya Krishnan – Approve
 - Ashley Llorens - Not present
 - Haniyeh Mahmoudian – Approve
 - Christina Montgomery - Not present
 - Liz O’Sullivan - Approve
 - Fred Oswald – Approve
 - Frank Pasquale - Not present
 - Trooper Sanders – Approve
 - Navrina Singh - Not present
 - Swami Sivasubramanian – Not present
 - Keith Strier – Not Present
 - Reggie Townsend - Approve

Approve: 13 | Not present: 12

Exploring the Impact of AI

Leads: Janet Haven and Liz O’Sullivan, Rights-Respecting AI Working Group

- Haven and O’Sullivan introduced the finding, which outlines AI’s impacts on women and Asian American, Black, Disabled, Indigenous, Latinx, and LGBTQ+ communities. The finding synthesizes the perspectives shared by community leaders during NAIAC’s June 2023 public discussions and supplements their testimony with additional research. The WG observed that a critical function of the Committee is to support and amplify the voices of those who are likely to be most affected by AI. As such, they thought it vital that NAIAC’s written public record include the expertise shared by these community leaders.
- Vogel invited NAIAC members to discuss *Exploring the Impact of AI*.
 - Members emphasized the importance of elevating the perspectives of communities impacted by AI. They applauded the incorporation of stakeholder testimony in NAIAC’s written public record, noting that this action affirms the Committee’s commitment to inclusivity.
 - Vogel suggested that the finding be updated to link directly to the recordings of the public discussions posted to the NAIAC website.
 - Community leaders’ testimony contains occasional recommendation language.
 - These normative statements will be clearly attributed to their speakers to ensure they are not interpreted as formal NAIAC recommendations.
 - The introduction to the finding will be edited to clearly assert that the document reflects the testimony offered at the June public hearing, using language that harmonizes with a similar statement in *AI Literacy for the United States of America*. These revisions address two issues raised during the discussion:
 - Although the finding discusses each community individually, community leaders often articulate issues that apply broadly across groups. Ho expressed concern that the finding’s organization might imply that topics raised by one community leader do not pertain to other groups.
 - NAIAC members who belong to and work with communities represented in the finding noted that the document highlights the harms and risks AI poses to these populations, placing less emphasis on countervailing opportunities. Members noted that the finding reflects the priorities and perspectives of the leaders who participated in these conversations. Members also observed that raising awareness of harms and risks is necessary for their mitigation.
 - Haven noted that the finding could provide the basis for future NAIAC recommendations that apply broadly across populations.
 - NAIAC members discussed avenues for future work on mitigating AI-related harms and expanding the opportunities AI presents for underrepresented and vulnerable populations.

- Members called for further engagement with a broad range of community representatives and suggested holding a series of conversations focused on possible opportunities and benefits that inclusive AI might offer underrepresented groups.
 - Draft Office of Management and Budget (OMB) guidance requires that rights- and safety-impacting government uses of AI be informed by feedback from affected groups. Members expressed enthusiasm about developing methods for meaningful community participation in these accountability mechanisms.
- Members motioned a vote on *Exploring the Impact of AI* with the proposed edits. In the presence of quorum, each Member of the Committee was polled and decided by majority vote to advance the finding.

- Miriam Vogel – Approve with edits
- James Manyika – Not present
- Amanda Ballantyne - Not present
- Sayan Chakraborty – Not present
- Jack Clark – Not present
- David Danks - Approve
- Victoria Espinel - Approve
- Paula Goldman - Approve
- Susan Gonzales - Approve
- Janet Haven - Approve
- Daniel Ho – Approve with edits
- Ayanna Howard – Not present
- Jon Kleinberg - Not present

- Ramayya Krishnan – Approve with edits
- Ashley Llorens - Not present
- Haniyeh Mahmoudian – Approve
- Christina Montgomery - Not present
- Liz O’Sullivan - Approve
- Fred Oswald – Approve with edits
- Frank Pasquale - Not present
- Trooper Sanders – Approve
- Navrina Singh - Not present
- Swami Sivasubramanian – Not present
- Keith Strier – Not Present
- Reggie Townsend – Approve

Approve: 9 | Approve with edits: 4 | Not present: 12

Improve Monitoring of Emerging Risks from AI through Adverse Event Reporting

Leads: David Danks, Paula Goldman, Daniel Ho, and Miriam Vogel

- Danks and Ho introduced the recommendation, which proposes a pilot for an adverse event reporting system to monitor emerging risks from AI. The recommendation develops a tiered approach to risk reporting, with mandatory reporting for critical risks and voluntary reporting for all other risks. Adverse event reporting systems support regulatory efforts by (1) narrowing the information gap between private and public actors about emerging risks and (2) revealing patterns of harm that existing regulatory authorities do not address. This recommendation dovetails with NAIAC’s October 2023 recommendation [Creating Institutional Structures to Support Safer AI Systems](#).

- Vogel invited NAIAC members to discuss *Improve Monitoring of Emerging Risks from AI through Adverse Event Reporting*.
 - The recommendation will be updated to explain how it complements NAIAC’s October 2023 recommendation [Creating Institutional Structures to Support Safer AI Systems](#): the current recommendation requires *reporting* of adverse events and the October recommendation develops mechanisms for the subsequent cataloguing, analysis, and communication of such reports.
 - The text of the recommendation will be edited so as not to suggest that adverse event reporting is favorable to other forms of AI regulation (e.g., licensing and registration). NAIAC members hope to hold further discussion of licensing and registration regulatory approaches.
 - The text of the recommendation has been updated to reference the OMB list of rights- and safety-impacting AI systems in its definition of critical harms that require mandatory reporting.

- Vogel motioned a vote on *Improve Monitoring of Emerging Risks from AI through Adverse Event Reporting* with the proposed edits. In the presence of quorum, each Member of the Committee was polled and decided by majority vote to advance the finding.

- Miriam Vogel - Approve with edits
- James Manyika – Not present
- Amanda Ballantyne - Not present
- Sayan Chakraborty – Not present
- Jack Clark – Not present
- David Danks - Approve with edits
- Victoria Espinel - Approve
- Paula Goldman - Approve
- Susan Gonzales - Approve
- Janet Haven - Approve
- Daniel Ho - Approve
- Ayanna Howard – Not present
- Jon Kleinberg - Not present

- Ramayya Krishnan – Approve with edits
- Ashley Llorens - Not present
- Haniyeh Mahmoudian – Approve
- Christina Montgomery - Not present
- Liz O’Sullivan – Approve with edits
- Fred Oswald – Approve with edits
- Frank Pasquale - Not present
- Trooper Sanders – Approve
- Navrina Singh - Not present
- Swami Sivasubramanian – Not present
- Keith Strier – Not Present
- Reggie Townsend – Approve with edits

Approve: 6 | Approve with edits: 7 | Not present: 12

Statement in Support of EO 14110

Leads: David Danks, James Manyika, and Miriam Vogel

- Vogel introduced the following statement for a Committee vote:
NAIAC strongly supports the recently released Executive Order on the Safe, Secure, and Trustworthy Development and Use of Artificial Intelligence (EO). We applaud the comprehensive approach to adopting and governing the use and regulation of AI within the powers and oversight of the executive branch, as well as the detailed OMB Proposed Memorandum on Advancing Governance, Innovation, and Risk Management for Agency Use of Artificial Intelligence when finalized and implemented.

These are important first steps to stand up for consumers and workers and promote innovation and competition. We are particularly enthusiastic that the EO adopts major recommendations from NAIAC's first year report, including the creation of Chief AI Officers, strategic AI planning at agencies, the elevation of AI matters to the White House AI Council, the broad adoption of the NIST AI Risk Management Framework including by the federal government, the pilot for the National AI Research Resource (NAIRR), consideration of immigration pathways to expand human capital, amongst many others. For reference, our year 1 report is available [here](#).

NAIAC looks forward to continuing to advise and issue recommendations to the White House on U.S. leadership on trustworthy AI.

- Haven suggested that the statement be amended to applaud the EO for advancing rights protections for all Americans: "We are also pleased to see the EO take steps to support rights protections for government use of AI and to advance the principles outlined in the Blueprint for an AI Bill of Rights in practice."
- Although members supported this amendment, they lacked quorum to vote on the revised statement because several members had prior commitments that required them to leave the meeting early. Because some members had voted on the original statement before leaving the meeting, remaining members motioned a vote on the original statement. In the presence of quorum, each Member of the Committee was polled and decided by majority vote to advance the finding.

- Miriam Vogel - Approve
- James Manyika – Not present
- Amanda Ballantyne - Not present
- Sayan Chakraborty – Not present
- Jack Clark – Not present
- David Danks - Approve
- Victoria Espinel - Approve
- Paula Goldman – Approve
- Susan Gonzales - Approve
- Janet Haven - Reject

- Daniel Ho – Approve
- Ayanna Howard – Not present
- Jon Kleinberg - Not present
- Ramayya Krishnan – Approve
- Ashley Llorens - Not present
- Haniyeh Mahmoudian – Approve
- Christina Montgomery - Not present
- Liz O'Sullivan - Reject
- Fred Oswald – Approve
- Frank Pasquale - Not present

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| <ul style="list-style-type: none">• Trooper Sanders – Approve• Navrina Singh - Not present• Swami Sivasubramanian – Not present | <ul style="list-style-type: none">• Keith Strier – Not Present• Reggie Townsend - Approve |
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Approve: 11 | Reject: 2 | Not present: 12

- NAIAC will hold a December public meeting dedicated to an in-depth discussion of EO 14110. Following this discussion, members may also release a more extensive statement on the EO, highlighting particular provisions. In both cases, the Committee can highlight the EO’s support for rights protections, in accordance with Haven’s suggestion.

NAIAC-LE

- NAIAC-LE has finalized its Year 1 Roadmap document, incorporating NAIAC’s feedback from the 10/19 public meeting. The Roadmap presents a taxonomy of AI use cases in law enforcement and legal/ethical issues pertaining to those use cases.
- The Subcommittee has four active working groups, two of which address use case categories and two of which address legal/ethical issues:
 - **Use Case Group #1 – Person Identification and Surveillance:** e.g., facial recognition, license plate readers, video analytics, gunshot detection systems, drones
 - **Use Case Group #2 – Predictive Policing Tools:** e.g., scoring algorithms, risk assessments
 - **Legal/Ethical Group #1 – Performance and Bias:** currently developing guidance for conducting high-quality evaluations of AI tools in the field
 - **Legal/Ethical Group #2 – Process:** currently developing guidance for pre-adoption procedures for AI tools used in law enforcement
- NAIAC-LE members will participate in the December NAIAC public meeting. The Subcommittee welcomes suggestions for prioritizing its workstreams.

Wrap Up and Closing Remarks

- Vogel thanked participants for their thoughtful contributions and noted the upcoming December public meeting.
- NAIAC did not receive public comments to review or discuss.
- Members of the public can provide feedback at ai.gov/naiac, where they can also subscribe for Committee updates, watch previous NAIAC meetings, and find meeting minutes. They can email the Committee at NAIAC@nist.gov.
- Chambers adjourned the NAIAC meeting at 11.59 AM Eastern Time. A summary of the meeting will be posted on ai.gov/naiac.