

Response to the National Science Foundation and Office of Science & Technology Policy's Request for Information on the Development of an Artificial Intelligence Action Plan

90 Fed. Reg. 9088 (Feb. 6, 2025), Docket No. NSF_FRDOC_0001

Submitted: March 15, 2025

Patrick Diamitani, Founder and CEO, GTPAT

Executive Summary

This proposal outlines three activities to sustain and enhance U.S. AI leadership: an opt-in data contribution system for Large Language Models (LLMs), a national AI credit fund for equitable access, and an AI Safety Protocol for risk management. These initiatives align with the goals of President Trump's AI Executive Order on January 23, 2025, to promote human flourishing, economic competitiveness, and national security ([Removing Barriers to American Leadership in Artificial Intelligence](#)).

Introduction

The United States stands at the forefront of AI innovation, and it is imperative to maintain and enhance our global leadership. The recent RFI, as part of the AI Action Plan directed by Executive Order 14179, seeks input on priority actions to ensure AI promotes human flourishing, economic competitiveness, and national security, while avoiding burdensome regulations on private sector innovation. My proposal addresses data ethics, access equity, and safety, aligning with the RFI's focus on hardware, data centers, energy consumption, and AI governance.

Activity 1: Opt-In Data Contribution System for LLMs

Concept: Create a voluntary platform where individuals contribute personal data (e.g., writings, expertise) to train LLMs, receiving compensation.

Rationale: Current AI training often relies on unconsented datasets, raising privacy and equity concerns. This system, inspired by AI data marketplaces like Defined.ai ([Defined.ai - Home page](#)) and Trainspot ([This startup is creating an AI training data marketplace](#)), empowers citizens to monetize data, fostering an ethical economy for encryption and security. It aligns with the RFI's emphasis on data privacy and security throughout the AI lifecycle.

Implementation Steps:

- Conduct a feasibility study in 2025 to assess legal and technical requirements.

- Partner with NIST in 2026 to develop encryption standards, ensuring compliance with GDPR and CCPA.
- Launch a blockchain-based marketplace with firms like xAI in 2027, offering micro-payments (e.g., \$0.01 per kilobyte) based on data utility.
- Pilot with 100,000 participants in 2028, refining based on feedback, with quality control measures like ratings from AI trainers.

Expected Impact: Enhances AI diversity, boosts individual income (projected market size: \$10 billion by 2030, per AI Training Dataset Market report ([AI Training Dataset Market worth \\$9.58 billion by 2029](#))), and sets global ethical standards, reducing bias in AI models.

Activity 2: National AI Credit Fund Subsidy

Concept: Subsidize usage tokens for AI services to ensure broad access, treating AI as a utility like electricity.

Rationale: High costs could exclude many from AI benefits, mirroring early internet disparities. This aligns with government subsidies for technology, like the Tech Hubs program ([Biden-Harris Administration Awards Additional \\$210 Million Tech Hub Grants](#)), but focuses on individual access. It addresses the RFI's goal of promoting innovation and competition.

Implementation Steps:

- Allocate \$50 million annually via NSF in 2026, funded by repurposing 1% of federal R&D budget (\$1.8 billion in 2024 terms) and a 0.5% tax on AI firms' profits.
- Offer \$500 monthly credits per eligible small business or researcher, based on average AI service costs (estimated at \$1,000/month), scaling to 50% adoption by 2030.
- Partner with AI providers like AWS and Microsoft to accept credits, ensuring distribution in 2027.

Expected Impact: Reduces digital inequality, drives innovation across sectors, and ensures U.S. citizens lead in AI fluency, mirroring post-WWII infrastructure investments.

Activity 3: AI Safety Protocol

Concept: Develop ethical guidelines and technical safeguards for managing advanced AI risks, including AI alignment research and emergency response plans.

Rationale: While speculative, AI safety is critical, as seen in initiatives like the U.S. AI Safety Institute ([U.S. Artificial Intelligence Safety Institute | NIST](#)) and the International Network of AI Safety Institutes ([FACT SHEET: U.S. Department of Commerce & U.S. Department of State Launch the International Network of AI Safety Institutes](#)). This prepares for scenarios where AI poses existential threats, aligning with the RFI's focus on technical and safety standards.

Implementation Steps:

- Form a multidisciplinary committee in 2025, including ethicists, engineers, and policymakers under DARPA oversight, to draft protocols.
- Conduct public consultations and international collaborations in 2026, leveraging the AISI network, focusing on AI alignment and risk assessments.
- Implement by 2028, embedding in federally funded projects, with a decentralized shutdown key requiring multi-party authorization.

Expected Impact: Mitigates catastrophic risks, builds public trust, and positions the U.S. as a leader in responsible AI governance, inspired by Asimov's Three Laws adapted for modern contexts.

Conclusion

These activities collectively ensure U.S. AI leadership, promoting equity, safety, and innovation. By empowering individuals, ensuring access, and preparing for risks, the U.S. can lead the world toward an AI future defined by justice, prosperity, and coexistence. I am committed to refining this vision, collaborating with stakeholders, and driving implementation to realize these goals.

Respectfully submitted,

Patrick Diamitani

GTPAT

March 15, 2025

Addendum: Detailed Analysis of Proposed Activities

This addendum provides deeper insights into each activity, demonstrating a thorough understanding and commitment to the proposed solutions, enhancing your expertise and the proposal's feasibility.

Opt-In Data Contribution System for LLMs

- **Economic Model:** Contributors earn micro-payments (e.g., \$0.01 per kilobyte) based on data utility, funded by AI firms licensing the dataset. Projected market size: \$10 billion by 2030, per AI Training Dataset Market report ([AI Training Dataset Market worth \\$9.58 billion by 2029](#)).
- **Legal Framework:** Amend the Privacy Act to recognize data as intellectual property, with opt-in consent enshrined, inspired by Creative Commons but with monetary incentives and stringent security measures, aligning with GDPR and CCPA compliance ([AI Data Marketplaces | What is an AI Data Marketplace? | Monda](#)).

- **Quality Control:** Implement ratings from AI trainers and validation tests to ensure high-quality, relevant data, reducing bias in AI models, as highlighted by the Apple Card bias case ([AI Training Dataset Market worth \\$9.58 billion by 2029](#)).

National AI Credit Fund Subsidy

- **Funding Source:** Repurpose 1% of federal R&D budget (\$1.8 billion in 2024 terms) and supplement with a 0.5% tax on AI firms' profits, similar to subsidies for data centers ([Big Tech Eyes Billions in Public Subsidies for AI, Cloud Computing - Good Jobs First](#)).
- **Use Case:** A small business owner uses credits to access GPT-5 for market analysis, boosting revenue without upfront costs, bridging the digital divide, akin to broadband subsidies.
- **Global Edge:** Mirrors post-WWII infrastructure investments, ensuring U.S. citizens outpace rivals in AI fluency, aligning with Tech Hubs program goals ([Biden-Harris Administration Awards Additional \\$210 Million Tech Hub Grants](#)).

AI Safety Protocol

- **Technical Design:** Decentralized shutdown key requiring multi-party authorization (government, industry, academia), paired with an AI "ethics module" trained on human values, inspired by Asimov's Three Laws, adapted for diverse cultural norms ([AI safety - Wikipedia](#)).
- **Philosophical Basis:** Focus on AI alignment research, ensuring AI shares human goals, supported by initiatives like the Center for AI Safety ([Center for AI Safety \(CAIS\)](#)) and U.S. AI Safety Institute ([U.S. Artificial Intelligence Safety Institute | NIST](#)).
- **Test Case:** Simulate a rogue AI scenario in 2028, refining protocols based on outcomes, leveraging international collaboration through the AISI network ([FACT SHEET: U.S. Department of Commerce & U.S. Department of State Launch the International Network of AI Safety Institutes](#)).

Key Citations

- [Removing Barriers to American Leadership in Artificial Intelligence](#)
- [This startup is creating an AI training data marketplace to help creators and companies buy and sell licensed content](#)
- [Defined.ai - Home page](#)
- [Biden-Harris Administration Awards Additional \\$210 Million Tech Hub Grants](#)
- [U.S. Artificial Intelligence Safety Institute | NIST](#)
- [FACT SHEET: U.S. Department of Commerce & U.S. Department of State Launch the International Network of AI Safety Institutes](#)
- [AI Training Dataset Market worth \\$9.58 billion by 2029](#)
- [AI Data Marketplaces | What is an AI Data Marketplace? | Monda](#)
- [Big Tech Eyes Billions in Public Subsidies for AI, Cloud Computing - Good Jobs First](#)
- [Center for AI Safety \(CAIS\)](#)
- [AI safety - Wikipedia](#)