



Research Security & Integrity Information Sharing Analysis Organization (RSI-ISAO) Solicitation Webinar (NSF 23-613)

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NSPM-33

THE WHITE HOUSE
WASHINGTON
January 14, 2021

NATIONAL SECURITY PRESIDENTIAL MEMORANDUM - 33

MEMORANDUM FOR THE VICE PRESIDENT
THE SECRETARY OF STATE
THE SECRETARY OF DEFENSE
THE ATTORNEY GENERAL
THE SECRETARY OF THE INTERIOR
THE SECRETARY OF AGRICULTURE
THE SECRETARY OF COMMERCE
THE SECRETARY OF HEALTH AND HUMAN SERVICES
THE SECRETARY OF TRANSPORTATION
THE SECRETARY OF ENERGY
THE SECRETARY OF EDUCATION
THE SECRETARY OF VETERANS AFFAIRS
THE SECRETARY OF HOMELAND SECURITY
THE ASSISTANT TO THE PRESIDENT AND CHIEF OF STAFF
THE ADMINISTRATOR OF THE ENVIRONMENTAL PROTECTION AGENCY
THE DIRECTOR OF THE OFFICE OF MANAGEMENT AND BUDGET
THE DIRECTOR OF NATIONAL INTELLIGENCE
THE DIRECTOR OF THE CENTRAL INTELLIGENCE AGENCY
THE ASSISTANT TO THE PRESIDENT FOR NATIONAL SECURITY AFFAIRS
COUNSEL TO THE PRESIDENT
ASSISTANT TO THE PRESIDENT, DEPUTY COUNSEL TO THE PRESIDENT FOR NATIONAL SECURITY AFFAIRS, AND NATIONAL SECURITY COUNCIL LEGAL ADVISOR
THE DIRECTOR OF THE OFFICE OF SCIENCE AND TECHNOLOGY POLICY
THE DIRECTOR OF THE NATIONAL SCIENCE FOUNDATION
THE ADMINISTRATOR OF THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
THE DIRECTOR OF THE FEDERAL BUREAU OF INVESTIGATION
THE SECRETARY OF THE SMITHSONIAN
THE DIRECTOR OF THE NATIONAL INSTITUTES OF HEALTH

NATIONAL SCIENCE AND TECHNOLOGY COUNCIL



GUIDANCE FOR IMPLEMENTING NATIONAL SECURITY PRESIDENTIAL MEMORANDUM 33 (NSPM-33) ON NATIONAL SECURITY STRATEGY FOR UNITED STATES GOVERNMENT-SUPPORTED RESEARCH AND DEVELOPMENT

A Report by the

Subcommittee on Research Security

Joint Committee on the Research Environment

January 2022

CHIPS And Science Act

136 STAT. 1366

PUBLIC LAW 117-167—AUG. 9, 2022

Public Law 117-167
117th Congress

An Act

Aug. 9, 2022
[H.R. 4346]

Making appropriations for Legislative Branch for the fiscal year ending September 30, 2022, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. TABLE OF CONTENTS.

The table of contents for this Act is as follows:

Sec. 1. Table of contents.
Sec. 2. References.

DIVISION A—CHIPS ACT OF 2022

Sec. 101. Short title.
Sec. 102. Creating helpful incentives to produce semiconductors (CHIPS) for America fund.
Sec. 103. Semiconductor incentives.
Sec. 104. Opportunity and inclusion.
Sec. 105. Additional GAO reporting requirements.
Sec. 106. Appropriations for wireless supply chain innovation.
Sec. 107. Advanced manufacturing investment credit.

DIVISION B—RESEARCH AND INNOVATION

Sec. 10000. Table of contents.
Sec. 10001. Short title.
Sec. 10002. Definitions.
Sec. 10003. Budgetary effects.

TITLE I—DEPARTMENT OF ENERGY SCIENCE FOR THE FUTURE

Sec. 10101. Mission of the Office of Science.
Sec. 10102. Basic energy sciences program.
Sec. 10103. Biological and environmental research.
Sec. 10104. Advanced scientific computing research program.
Sec. 10105. Fusion energy research.
Sec. 10106. High energy physics program.
Sec. 10107. Nuclear physics program.
Sec. 10108. Science laboratories infrastructure program.
Sec. 10109. Accelerator research and development.
Sec. 10110. Isotope research, development, and production.
Sec. 10111. Increased collaboration with teachers and scientists.
Sec. 10112. High intensity laser research initiative; helium conservation program; Office of Science emerging biological threat preparedness research initiative; midscale instrumentation and research equipment program; authorization of appropriations.
Sec. 10113. Established program to stimulate competitive research.
Sec. 10114. Research security.

TITLE II—NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY FOR THE FUTURE

Sec. 10201. Definitions.
Subtitle A—Authorization of Appropriations
Sec. 10211. Authorization of appropriations.





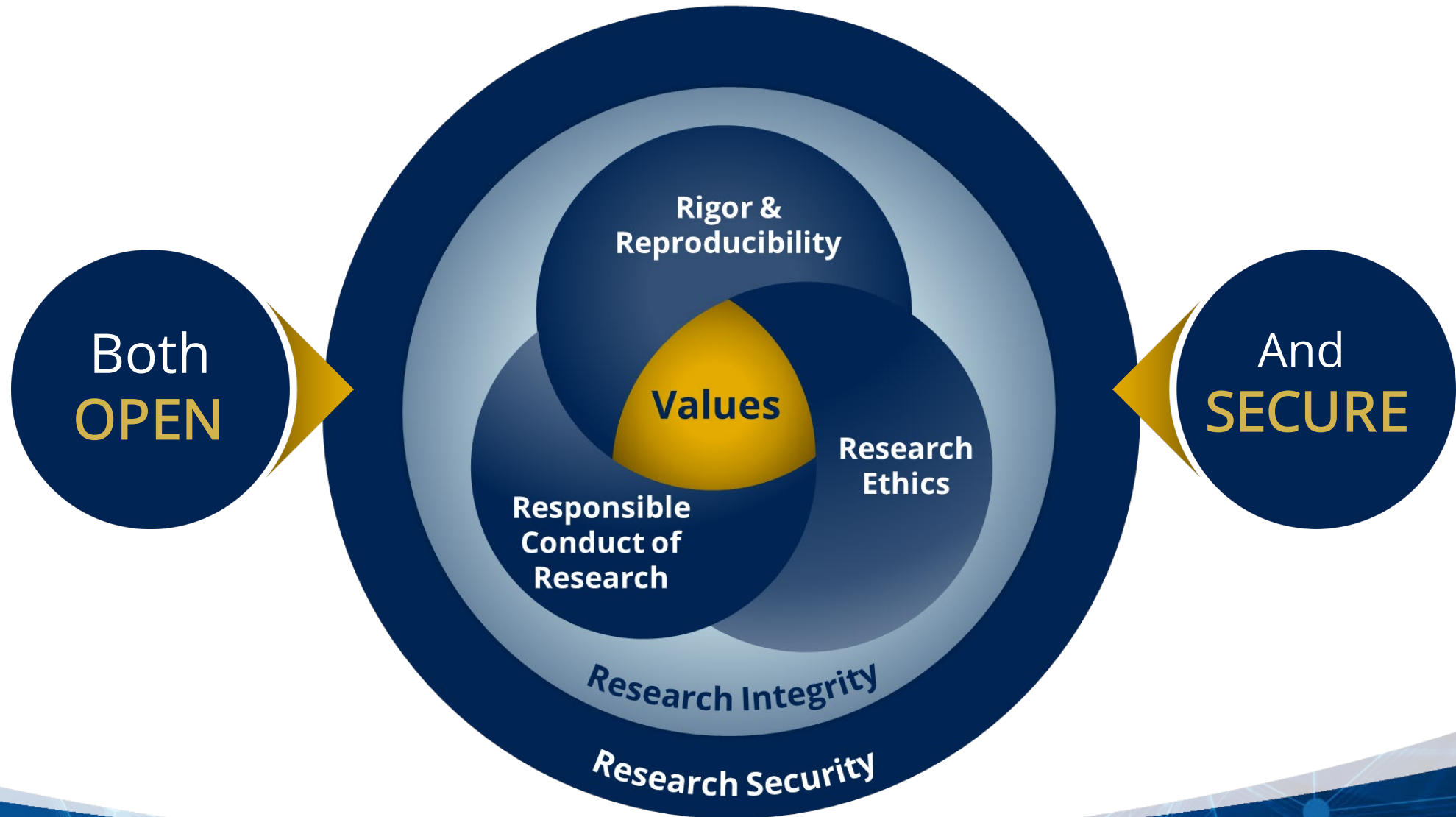
NSF Listened to the Community

Stakeholder Engagements

Dear Colleague Letter (DCL NSF 23-098)



Values are the Heart of Research Security



Safeguarding the Entire Community in the U.S. Research Ecosystem



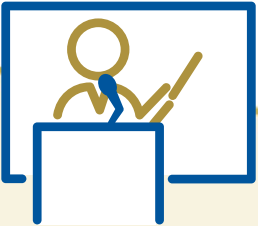
Safeguarding the Entire Community in the U.S. Research Ecosystem



SECURE



Today's Geopolitical Environment is Challenging for Research



Researchers & Institutions



SECURE is the bridge



US Government



Governance Structure of SECURE





Mission:

Empower the research community to make security-informed decisions about research security concerns



Approach:

Providing information, developing tools, and providing services



Audience:

IHEs, non-profit research institutions, and small and medium-sized businesses



Duties of the RSI-ISAO under CHIPS

- 1** **Serve as a clearinghouse for information** to help enable the members and other entities in the research community to understand the context of their research and identify improper or illegal efforts by foreign entities to obtain research results, know how, materials, and intellectual property;
- 2** **Develop a standard set of frameworks and best practices**, relevant to the research community, to assess research security risks in different contexts;
- 3** **Share information concerning security threats** and lessons learned from protection and response efforts through forums and other forms of communication;
- 4** **Provide timely reports** on research security risks to provide situational awareness tailored to the research and STEM education community;
- 5** **Provide training and support**, including through webinars, for relevant faculty and staff employed by institutions of higher education on topics relevant to research security risks and response;
- 6** **Enable standardized information gathering** and data compilation, storage, and analysis for compiled incident reports;
- 7** **Support analysis of patterns of risk and identification** of bad actors and enhance the ability of members to prevent and respond to research security risks;



What SECURE will do... and won't do



Uniform Quality of Service



Reduce Cost and Administrative Burden



Frameworks and Best Practices



Advice, Decisions, Investigations, Policy



Curated Syntheses



Patterns of Risk



Analytical Tools

Research Security and Integrity Information Sharing Analysis Organization (RSI-ISAO)

PROGRAM SOLICITATION

NSF 23-613



National Science Foundation

Office of the Director

Office of the Chief of Research Security Strategy and Policy



Trust is Critical to SECURE's Success



Functional Domains



Tools & Training



Community Engagement & Inquiries



Data Analysis & Reporting



Stakeholder Desires for Functional Domains



Tools & Training

- Actionable Tools
- Frameworks
- Rubrics
- Best Practices



Engagement & Inquires

- Build trust
- Demonstrate value
- Reduce cost for large
- Be accessible to small



Data Analysis & Reporting

- Landscape analysis
- Risk modeling
- Timely, relevant communication

The Road Ahead

