

analysts to perform statistical queries necessary to answer approved project questions, and prohibits any other queries; and

(E) the National Secure Data Service demonstration project conducts privacy risk assessments to minimize the privacy risks to individual entities whose data has been made available by a reporting entity, including those privacy risks that could result from data breaches of any system operated by the reporting entity, as well as for determining approved project questions under subparagraph (D) to minimize the privacy risks to individuals affected by uses of the statistical output; and

(2) the National Secure Data Service demonstration project shall implement reasonable measures commensurate with the risks to individuals' privacy to achieve the outcomes under subparagraphs (A) through (E) of paragraph (1), which may include the appropriate application of privacy-enhancing technologies and appropriate measures to minimize or prevent reidentification risks consistent with any applicable guidance or regulations issued under subchapter III of chapter 35 of title 44.

(g) Transparency

The National Secure Data Service established under subsection (b) shall maintain a public website with up-to-date information on supported projects.

(h) Report

Not later than 2 years after August 9, 2022, the National Secure Data Service demonstration project established under subsection (b) shall submit a report to Congress that includes—

- (1) a description of policies for protecting data, consistent with applicable Federal law;
- (2) a comprehensive description of all completed or active data linkage activities and projects;
- (3) an assessment of the effectiveness of the demonstration project for mitigating risks and removing barriers to a sustained implementation of the National Secure Data Service as recommended by the Commission on Evidence-Based Policymaking; and
- (4) if deemed effective by the Director, a plan for scaling up the demonstration project to facilitate data access for evidence building while ensuring transparency and privacy.

(i) Authorization of appropriations

There are authorized to be appropriated to the Director to carry out this subsection \$9,000,000 for each of fiscal years 2023 through 2027.

(Pub. L. 117-167, div. B, title III, §10375, Aug. 9, 2022, 136 Stat. 1574.)

Editorial Notes

REFERENCES IN TEXT

The Foundations for Evidence-Based Policymaking Act of 2018, referred to in subsec. (c), is Pub. L. 115-435, Jan. 14, 2019, 132 Stat. 5529. For complete classification of this Act to the Code, see Short Title of 2019 Amendment note set out under section 101 of Title 5, Government Organization and Employees, and Tables.

The Confidential Information Protection and Statistical Efficiency Act of 2018, referred to in subsec. (e), is

title III of Pub. L. 115-435, Jan. 14, 2019, 132 Stat. 5544. For complete classification of this Act to the Code, see Short Title of 2019 Amendment note set out under section 101 of Title 44, Public Printing and Documents, and Tables.

The Privacy Act of 1974, referred to in subsec. (e), is Pub. L. 93-579, Dec. 31, 1974, 88 Stat. 1896, which enacted section 552a of Title 5, Government Organization and Employees, and provisions set out as notes under section 552a of Title 5. For complete classification of this Act to the Code, see Short Title of 1974 Amendment note set out under section 552a of Title 5 and Tables.

PART G—DIRECTORATE FOR TECHNOLOGY,
INNOVATION, AND PARTNERSHIPS

§ 19101. Establishment

There is established within the Foundation the Directorate for Technology, Innovation, and Partnerships to advance research and development, technology development, and related solutions to address United States societal, national, and geostrategic challenges, for the benefit of all Americans.

(Pub. L. 117-167, div. B, title III, §10381, Aug. 9, 2022, 136 Stat. 1576.)

§ 19102. Purposes

The purposes of the Directorate established under section 19101 of this title are to—

- (1) support use-inspired and translational research and accelerate the development and use of federally funded research;
- (2) strengthen United States competitiveness by accelerating the development of key technologies; and
- (3) grow the domestic workforce in key technology focus areas, and expand the participation of United States students and researchers in areas of societal, national, and geostrategic importance, at all levels of education.

(Pub. L. 117-167, div. B, title III, §10382, Aug. 9, 2022, 136 Stat. 1576.)

§ 19103. Activities

Subject to the availability of appropriated funds, the Director shall achieve the purposes described in section 19102 of this title by making awards through the Directorate that—

- (1) support transformational advances in use-inspired and translational research and technology development, including through diverse funding mechanisms and models at different scales, to include convergence accelerators and projects designed to achieve specific technology metrics or objectives;
- (2) encourage the translation of research into innovations, processes, and products, including by—

(A) engaging researchers on topics relevant to United States societal, national, and geostrategic challenges, including by educating researchers on engaging with end users and the public;

(B) advancing novel approaches and reducing barriers to technology transfer, including through intellectual property frameworks between academia and industry, non-profit entities, venture capital communities, and approaches to technology transfer for applications with public benefit that may

not rely on traditional commercialization tools; and

(C) establishing partnerships that connect researchers and research products to businesses, accelerators, and incubators that enable research uptake, prototype development and scaling, entrepreneurial education, and the formation and growth of new companies;

(3) develop mutually-beneficial research and technology development partnerships and collaborations among institutions of higher education, including historically Black colleges and universities, Tribal Colleges or Universities, minority-serving institutions, emerging research institutions, EPSCoR institutions, and nonprofit organizations, labor organizations, businesses and other for-profit entities, Federal or State agencies, local or Tribal governments, civil society organizations, other Foundation directorates, national labs, field stations and marine laboratories, and, as appropriate, international entities and binational research and development foundations and funds, excluding foreign entities of concern;

(4) partner with other directorates and offices of the Foundation for specific projects or research areas including—

(A) to pursue basic questions about natural, human, and physical phenomena that could enable advances in the challenges and key technology focus areas under section 19107 of this title;

(B) to study questions that could affect the design (including human interfaces), safety, security, operation, deployment, or the social and ethical consequences of technologies and innovations in the challenges and key technology focus areas under section 19107 of this title, including the development of technologies and innovations that complement or enhance the abilities of workers and impact of specific innovations on domestic jobs and equitable opportunity; and

(C) to further the creation of a domestic workforce capable of advancing, using, and adapting to the key technology focus areas;

(5) build capacity and infrastructure for use-inspired and translational research at institutions of higher education across the United States, including by making awards to support administrative activities that advance development, operation, integration, deployment, and sharing of innovation;

(6) support the education, mentoring, and training of undergraduate students, graduate students, and postdoctoral researchers, to both advance use-inspired and translational research and to address workforce challenges, through scholarships, fellowships, and traineeships; and

(7) identify social, behavioral, and economic drivers and consequences of technological innovations that could enable advances in the challenges and key technology focus areas under section 19107 of this title.

(Pub. L. 117–167, div. B, title III, §10383, Aug. 9, 2022, 136 Stat. 1576.)

§ 19104. Requirements

In carrying out the activities under the Directorate, the Director shall ensure the programmatic work of the Directorate and Foundation—

(1) utilizes the full potential of the United States workforce by avoiding undue geographic concentration of research and development and education funding across the United States, and encourages broader participation in the key technology focus area workforce by populations historically underrepresented in STEM; and

(2) incorporates a worker perspective through participation by labor organizations and workforce training organizations.

(Pub. L. 117–167, div. B, title III, §10384, Aug. 9, 2022, 136 Stat. 1577.)

§ 19105. Assistant Director

(a) In general

The Director shall appoint an Assistant Director responsible for the management of the Directorate established under this part, in the same manner as other Assistant Directors of the Foundation are appointed.

(b) Qualifications

The Assistant Director shall be an individual, who by reason of professional background and experience, is specially qualified to—

(1) advise the Director on all matters pertaining to use-inspired and translational research, development, and commercialization at the Foundation, including partnership with the private sector and other users of Foundation funded research; and

(2) develop and implement the necessary policies and procedures to promote a culture of use-inspired and translational research within the Directorate and across the Foundation and carry out the responsibilities under subsection (c).

(c) Responsibilities

The responsibilities of the Assistant Director shall include—

(1) advising the Director on all matters pertaining to use-inspired and translational research and development activities at the Foundation, including effective practices for convergence research, and the potential impact of Foundation research on United States societal, national and geostrategic challenges;

(2) identifying opportunities for and facilitating coordination and collaboration, where appropriate, on use-inspired and translational research, development, adoption, and commercialization—

(A) among the offices, directorates, and divisions within the Foundation; and

(B) between the Foundation and stakeholders in academia, the private sector, including non-profit entities, labor organizations, Federal or State agencies, and international entities, as appropriate;

(3) ensuring that the activities carried out under this part do not substantially and unnecessarily duplicate activities supported by other parts of the Foundation or other relevant Federal agencies;