

Manufacturing USA institutes, including through the development of preferences in selection criteria for proposals to create new Manufacturing USA institutes or renew existing Manufacturing USA institutes that include one or more covered entities.

(b) Covered entities

For purposes of this subsection, a covered entity is—

- (1) an historically Black college and university;
- (2) a Tribal College or University;
- (3) a minority-serving institution;
- (4) a minority business enterprise (as such term is defined in section 1400.2 of title 15, Code of Federal Regulations, or successor regulation); or
- (5) a rural-serving institution of higher education (as such term is defined in section 1161q of title 20).

(Pub. L. 117–167, div. B, title II, §10262, Aug. 9, 2022, 136 Stat. 1504.)

§ 18972. Promoting domestic production of technologies developed under Manufacturing USA Program

(a) Department of Commerce policies to promote domestic production of technologies developed under Manufacturing USA Network

(1) Policies

(A) In general

Each agency head (as such term is defined in section 278s(a) of title 15) and the Secretary of Defense shall, in consultation with the Secretary of Commerce, establish policies to promote the domestic production of technologies developed by the Manufacturing USA Network.

(B) Elements

The policies established under subparagraph (A) shall include the following:

- (i) Measures to partner domestic developers of goods, services, or technologies by Manufacturing USA Network activities with domestic manufacturers and sources of financing.
- (ii) Measures to develop and provide incentives to promote transfer of intellectual property and goods, services, or technologies developed by Manufacturing USA Network activities to domestic manufacturers.
- (iii) Measures to assist with supplier scouting and other supply chain development, including the use of the Hollings Manufacturing Extension Partnership under section 278k of title 15 to carry out such measures.
- (iv) A process to review and approve or deny membership in a Manufacturing USA institute by foreign-owned entities, especially from countries of concern, including the People’s Republic of China.
- (v) Measures to prioritize Federal procurement of goods, services, or technologies developed by the Manufacturing USA Network activities from domestic sources, as appropriate.

(C) Processes for waivers

The policies established under this paragraph shall include processes to permit waivers, on a case by case basis, for policies that promote domestic production based on cost, availability, severity of technical and mission requirements, emergency requirements, operational needs, other legal or international treaty obligations, or other factors determined important to the success of the Manufacturing USA Program.

(2) Prohibition

(A) In general

A company of the People’s Republic of China may not participate in the Manufacturing USA Program without a waiver, as described in paragraph (1)(C).

(B) Company defined

In this paragraph, the term “company” has the meaning given such term in section 847(a) of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 10 U.S.C. 4819 note).

(b) to (d) Omitted

(e) Advice from the United States Manufacturing Council

The Secretary shall seek advice from the United States Manufacturing Council of the International Trade Administration of the Department of Commerce on matters concerning investment in and support of the manufacturing workforce within the Manufacturing USA Program.

(Pub. L. 117–167, div. B, title II, §10263, Aug. 9, 2022, 136 Stat. 1504.)

Editorial Notes

CODIFICATION

Section is comprised of section 10263 of div. B of Pub. L. 117–167. Subsecs. (b) to (d) of section 10263 of div. B of Pub. L. 117–167 amended section 278s of Title 15, Commerce and Trade.

SUBCHAPTER III—NATIONAL SCIENCE FOUNDATION FOR THE FUTURE

PART A—PRELIMINARY MATTERS

§ 18981. Definitions

In this subchapter:

(1) Board

The term “Board” means the National Science Board.

(2) Director

The term “Director” means the Director of the National Science Foundation.

(3) NSF INCLUDES

The term “NSF INCLUDES” means the initiative carried out under section 19012 of this title.

(4) STEM ecosystem

The term “STEM ecosystem” means a local, regional, or statewide network, consortium, or multi-sector partnership, which may be led or

co-led by a nonprofit organizational entity, that is operating in the United States with the goal of supporting participation in STEM study, activities, and career pathways as defined in the CoSTEM Annual Progress Report of 2020 with a broad range of non-Federal partners.

(Pub. L. 117-167, div. B, title III, § 10302, Aug. 9, 2022, 136 Stat. 1506.)

PART B—STEM EDUCATION

§ 18991. PreK-12 STEM education

(a) National Academies study

Not later than 120 days after August 9, 2022, the Director shall enter into an agreement with the National Academies to conduct a study to—

- (1) review the research literature and identify research gaps regarding the interconnected factors that foster and hinder successful implementation of promising, evidence-based PreK-12 STEM education innovations at the local, regional, and national level;
- (2) present a compendium of promising, evidence-based PreK-12 STEM education practices, models, programs, and technologies;
- (3) identify barriers to widespread and sustained implementation of such innovations; and
- (4) make recommendations to the Foundation, the Department of Education, the National Science and Technology Council's Committee on Science, Technology, Engineering, and Mathematics Education, State and local educational agencies, and other relevant stakeholders on measures to address such barriers.

(b) Omitted

(c) [Log 907 S2522]¹ National STEM Teacher Corps pilot

(1) Purpose

It is the purpose of this subsection to elevate the profession of STEM teaching by establishing a National STEM Teacher Corps pilot program to recognize outstanding STEM teachers in our Nation's classrooms, rewards² them for their accomplishments, elevates³ their public profile, and creates⁴ rewarding career paths to which all STEM teachers can aspire, both to prepare future STEM researchers and to create a scientifically literate public.

(2) Definitions

In this subsection:

(A) Administrator

The term “Administrator” means the Administrator of the National STEM Teacher Corps.

(B) Eligible entity

The term “eligible entity” means—

- (i) an institution of higher education; or
- (ii) a consortium consisting of an institution of higher education and one or more of the following:

(I) A State educational agency (as defined in section 7801 of title 20).

(II) A local educational agency (as defined in section 7801 of title 20).

(III) An education nonprofit Association.

(IV) A cross sector⁵ STEM organization.

(V) A private entity, including a STEM-related business.

(C) High-need school

The term “high-need school” has the meaning given the term in section 6631(b) of title 20.

(D) Professional development

The term “professional Development”⁶ has the meaning given the term in section 7801 of title 20.

(E) Corps Alliance

The term “Corps Alliance” means a regionally or topically based award under this subsection.

(F) National STEM Teacher Corps Advisory Board

The term “National STEM Teacher Corps Advisory Board” means the Advisory Board for the National STEM Teacher Corps established under paragraph (5).

(3) Establishment of National STEM Teacher Corps

The Director may, subject to the availability of appropriations, establish within the Foundation, a National STEM Teacher Corps 10-year pilot program to be administered by the Administrator, who shall be appointed by the Director. As appropriate, the Director may use existing NSF programs to establish and execute this program.

(4) Duties of the Administrator

The Administrator shall—

(A) create a process and standards for selection of eligible applicants to become members of the National STEM Teacher Corps, including—

(i) uniform selection criteria that includes⁷—

(I) deep knowledge of STEM content and pedagogy;

(II) a passion for STEM subjects and dedication to teaching, evidence of leadership skills, and potential for continued career growth as an educator; and

(III) demonstrated experience increasing STEM student achievement and STEM participation rates for all students, particularly those from rural and high-need schools; and

(ii) a uniform selection process, including a comprehensive application that includes recommendations and other relevant professional information;

(B) promote the National STEM Teacher Corps and elevate best practices that emerge

¹ So in original.

² So in original. Probably should be “reward”.

³ So in original. Probably should be “elevate”.

⁴ So in original. Probably should be “create”.

⁵ So in original. Probably should be “cross-sector”.

⁶ So in original. Probably should not be capitalized.

⁷ So in original. Probably should be “include”.