

(D) broaden STEM educational opportunities for students and faculty of HBCUs, TCUs, and MSIs; and

(E) support the transition of students of HBCUs, TCUs, and MSIs into the STEM workforce;¹

(c) Strategic plan

(1) In general

Not later than one year after August 9, 2022, the Director of the Office of Science and Technology Policy, in collaboration with the head of each Federal research agency, shall submit to Congress a report containing a strategic plan which reflects the plans of each Federal research agency to increase the capacity of HBCUs, TCUs, and MSIs to compete effectively for grants, contracts, or cooperative agreements and to encourage HBCUs, TCUs, and MSIs to participate in Federal programs.

(2) Considerations

In developing a strategic plan under paragraph (1), the Director and the head of each Federal research agency shall consider the following:

(A) Issuing new or expanding existing funding opportunities targeted to HBCUs, TCUs, and MSIs.

(B) Modifying existing research and development program solicitations to incentivize effective partnerships with HBCUs, TCUs, and MSIs.

(C) Offering planning grants for HBCUs, TCUs, and MSIs to develop or equip grant offices with the requisite depth of knowledge to submit competitive grant proposals and manage awarded grants.

(D) Offering additional training programs, including individualized and timely guidance to grant officers, faculty, and postdoctoral researchers at HBCUs, TCUs, and MSIs to ensure their understanding of the requirements for an effective grant proposal.

(E) Other approaches for making current competitive funding models more accessible for underresourced HBCUs, TCUs, and MSIs.

(d) Report on policy guidelines

Not later than two years after August 9, 2022, and every five years thereafter, the Director of the Office of Science and Technology Policy shall report to Congress on the implementation by Federal research agencies of the policy guidelines developed under this section.

(Pub. L. 117-167, div. B, title V, §10522, Aug. 9, 2022, 136 Stat. 1620.)

Editorial Notes

CODIFICATION

Section is comprised of section 10522 of Pub. L. 117-167. Subsec. (e) of section 10522 of Pub. L. 117-167 amended section 6621 of this title.

§ 19182. Research at the National Science Foundation

(a) In general

The Director shall make awards, on a competitive basis, to institutions of higher education or

nonprofit organizations (or consortia thereof) to—

(1) conduct research described in subsection (b) with respect to HBCUs, TCUs, and MSIs; and

(2) identify and broadly disseminate effective models for programs and practices at HBCUs, TCUs, and MSIs that promote the education and workforce preparation of minority students pursuing STEM studies and careers in which such students are underrepresented.

(b) Research

Research described in this subsection is research on the contribution of HBCUs, TCUs, and MSIs to the education and training of underrepresented minority students in STEM fields and to the meeting of national STEM workforce needs, including relating to the following:

(1) The diversity with respect to local context, cultural differences, and institutional structure among HBCUs, TCUs, and MSIs and any associated impact on education and research endeavors.

(2) Effective practices at HBCUs, TCUs, and MSIs and associated outcomes on student recruitment, retention, and advancement in STEM fields, including the ability for students to compete for fellowships, employment, and advancement in the workforce.

(3) Contributions made by HBCUs, TCUs, and MSIs to local, regional, and national workforces.

(4) The challenges and opportunities for HBCUs, TCUs, and MSIs in attaining the resources needed for integrating effective practices in STEM education, including providing research experiences for underrepresented minority students.

(5) The access of students at HBCUs, TCUs, and MSIs to STEM infrastructure and any associated outcomes for STEM competency.

(6) Models of STEM curriculum, learning, and teaching successful at HBCUs, TCUs, and MSIs for increasing participation, retention, and success of underrepresented minority students.

(7) Successful or promising partnerships between HBCUs, TCUs, and MSIs and other institutions of higher education, private sector and nonprofit organizations, Federal laboratories, and international research institutions.

(c) Research experiences

Awards under this section may fund the development or expansion of opportunities for the exchange of students and faculty to conduct research, facilitate professional development, and provide mentorship, including through partnerships with institutions of higher education that are not HBCUs, TCUs, or MSIs, private sector and nonprofit organizations, Federal laboratories, and international research institutions.

(Pub. L. 117-167, div. B, title V, §10523, Aug. 9, 2022, 136 Stat. 1622.)

§ 19183. Capacity-building program for developing universities

(a) Awards

(1) In general

The Director shall make awards, on a competitive basis, to eligible institutions de-

¹ So in original. The semicolon probably should be a period.