

**AMENDMENT TO THE AMENDMENT IN THE
NATURE OF A SUBSTITUTE TO H.R. 5351
OFFERED BY MRS. FOUSHEE OF NORTH
CAROLINA**

Add at the end the following:

1 **SEC. 5. EXPANDING CAPACITY IN ARTIFICIAL INTEL-**
2 **LIGENCE SCIENCE.**

3 Section 5401 of the National AI Initiative Act (15
4 U.S.C. 9451; enacted as part of title LIV of division E
5 of the William M. (Mac) Thornberry National Defense Au-
6 thorization Act for Fiscal Year 2021; Public Law 116-
7 283), as amended by section 3, is further amended by—

8 (1) redesignating subsection (j), as redesignated
9 pursuant to such section 3, as subsection (k); and

10 (2) inserting after subsection (i), as added pur-
11 suant to such section 3, the following new sub-
12 section:

13 “(j) EXPANDING CAPACITY IN ARTIFICIAL INTEL-
14 LIGENCE.—

15 “(1) IN GENERAL.—The Director of the Na-
16 tional Science Foundation, in consultation with the
17 heads of Federal agencies the Director considers ap-
18 propriate, shall make awards on a competitive,

1 merit-reviewed basis to eligible institutions of higher
2 education specified in paragraph (2) or eligible non-
3 profit organizations (or consortia thereof) to broaden
4 participation in artificial intelligence research, edu-
5 cation, and workforce development by increasing the
6 ability of the United States to increase capacity and
7 partnerships for artificial intelligence research and
8 development.

9 “(2) ELIGIBLE INSTITUTIONS OF HIGHER EDU-
10 CATION SPECIFIED.—An eligible institution of higher
11 education specified in this paragraph is any of the
12 following:

13 “(A) An institution of higher education,
14 that, according to the data published by the
15 National Center for Science and Engineering
16 Statistics, is not, on average, among the top
17 100 institutions in Federal research and devel-
18 opment expenditures during the 3-year period
19 prior to the year of the award concerned.

20 “(B) A historically Black college or univer-
21 sity.

22 “(C) A minority-serving institution.

23 “(D) A Tribal College or University.

24 “(E) A consortium of any of the entities
25 specified in subparagraphs (A) through (D).

1 “(3) COLLABORATIONS.—A consortia receiving
2 an award under this subsection may include the fol-
3 lowing:

4 “(A) Mutually beneficial partnerships with
5 institutions of higher education, nonprofit orga-
6 nizations, labor organizations, Federal agencies,
7 State, local, Tribal, and territorial governments,
8 and private sector entities.

9 “(B) Developing partnerships with artifi-
10 cial intelligence research institutes established
11 as part of section 5201 of this Act (15 U.S.C.
12 9431) or recipients of other relevant awards
13 made by the Foundation.

14 “(4) USE OF FUNDS.—In carrying out the ac-
15 tivities under this subsection, an eligible institution
16 of higher education or eligible nonprofit organization
17 (or consortia thereof) shall carry out one or more of
18 the following:

19 “(A) Development or expansion of research
20 programs in artificial intelligence and related
21 disciplines.

22 “(B) Faculty recruitment and professional
23 development in artificial intelligence and related
24 disciplines.

1 “(C) Bridge programs focused on pre-
2 paring post-baccalaureate students for graduate
3 programs in artificial intelligence and related
4 disciplines.

5 “(D) Provide or broker access to research
6 resources, including computing resources, net-
7 working, data facilities, and software engineer-
8 ing support for artificial intelligence research
9 and development.

10 “(E) Community building activities to fos-
11 ter mutually beneficial public-private collabora-
12 tion with Federal research agencies, industry,
13 Federal laboratories, academia, and nonprofit
14 organizations.

15 “(F) Development and hosting of intra- or
16 inter-institutional workshops to broaden work-
17 force participation in artificial intelligence re-
18 search and development.

19 “(G) Activities to integrate ethical and re-
20 sponsible practices and principles into education
21 programs in artificial intelligence and related
22 disciplines.

23 “(H) Other activities necessary to build re-
24 search capacity, education pathways, and work-

1 force development pathways in artificial intel-
2 ligence and related disciplines.

3 “(5) OUTREACH.—The Director of the National
4 Science Foundation shall—

5 “(A) conduct outreach to eligible institu-
6 tions of higher education and eligible nonprofit
7 organizations to apply for awards under this
8 subsection; and

9 “(B) engage participants from all regions
10 of the United States, especially individuals from
11 underserved communities and groups histori-
12 cally underrepresented in science, technology,
13 engineering, and mathematics.

14 “(6) DUPLICATION.—The Director of the Na-
15 tional Science Foundation shall ensure awards made
16 under this section are complimentary to, and not du-
17 plicative of, awards made under existing programs.

18 “(7) ADDITIONAL CONSIDERATIONS.—In mak-
19 ing awards under this subsection, the Director of the
20 National Science Foundation may also consider the
21 following:

22 “(A) The extent to which eligible institu-
23 tions of higher education and eligible nonprofit
24 organizations applying for awards under this
25 subsection support students from diverse back-

1 grounds, including first-generation under-
2 graduate students.

3 “(B) The geographic diversity of such in-
4 stitutions and organizations.

5 “(C) Relative resource constraints of such
6 institutions and organizations.

7 “(8) DEFINITIONS.—In this subsection:

8 “(A) HISTORICALLY BLACK COLLEGE OR
9 UNIVERSITY.—The term ‘historically Black col-
10 lege or university’ has the meaning given the
11 term ‘part B institution’ in section 322 of the
12 Higher Education Act of 1965 (20 U.S.C.
13 1061).

14 “(B) LABOR ORGANIZATION.—The term
15 ‘labor organization’ has the meaning given such
16 term in section 10002 of the Research and De-
17 velopment, Competition, and Innovation Act (42
18 U.S.C. 18901).

19 “(C) MINORITY-SERVING INSTITUTION.—
20 The term ‘minority-serving institution’ means a
21 Hispanic-serving institution as defined in sec-
22 tion 502(a) of the Higher Education Act of
23 1965 (20 U.S.C. 1101a(a)); an Alaska Native-
24 serving institution or Native Hawaiian-serving
25 institution as defined in section 317(b) of such

1 Act (20 U.S.C. 1059d(b)); or a predominantly
2 Black institution, Asian American and Native
3 American Pacific Islander-serving institution, or
4 Native American-serving nontribal institution
5 as defined in section 371(e) of such Act (20
6 U.S.C. 1067q(e)).

7 “(D) NONPROFIT ORGANIZATION.—The
8 term ‘nonprofit organization’ means an organi-
9 zation which is described in section 501(c)(3) of
10 the Internal Revenue Code of 1986 and exempt
11 from tax under section 501(a) of such code.

12 “(E) TRIBAL COLLEGE OR UNIVERSITY.—
13 The term ‘Tribal College or University’ has the
14 meaning given such term in section 316 of the
15 Higher Education Act of 1965 (20 U.S.C.
16 1059c).”.

