

**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.—Eligible institution of higher  
11 education specified in this paragraph the following:

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

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

21 “(C) A minority-serving institution.

22 “(D) A Tribal College or University.

23 “(E) A consortium of any of the entities  
24 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).”.

