



AMENDMENT NO. _____ Calendar No. _____

Purpose: In the nature of a substitute.

IN THE SENATE OF THE UNITED STATES—118th Cong., 2d Sess.

S. 4487

To require the Secretary of Commerce to develop artificial intelligence training resources and toolkits for United States small businesses, and for other purposes.

Referred to the Committee on _____ and ordered to be printed

Ordered to lie on the table and to be printed

AMENDMENT IN THE NATURE OF A SUBSTITUTE intended to be proposed by Ms. CANTWELL (for herself and Mr. MORAN)

Viz:

1 Strike all after the enacting clause and insert the following:
2

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Small Business Artificial
5 Intelligence Training Act of 2024”.

6 **SEC. 2. ARTIFICIAL INTELLIGENCE TRAINING RESOURCES**
7 **FOR SMALL BUSINESS CONCERNS.**

8 (a) DEFINITIONS.—In this section:

9 (1) APPROPRIATE COMMITTEES OF CON-
10 GRESS.—The term “appropriate committees of Con-
11 gress” means—

1 (A) the Committee on Commerce, Science,
2 and Transportation and the Committee on
3 Small Business and Entrepreneurship of the
4 Senate; and

5 (B) the Committee on Science, Space, and
6 Technology and the Committee on Small Busi-
7 ness of the House of Representatives.

8 (2) ARTIFICIAL INTELLIGENCE.—The term “ar-
9 tificial intelligence” has the meaning given such
10 term in section 5002 of the William M. (Mac)
11 Thornberry National Defense Authorization Act for
12 Fiscal Year 2021 (15 U.S.C. 9401).

13 (3) CENTER.—The term “Center” has the
14 meaning given such term in section 25(a) of the Na-
15 tional Institute of Standards and Technology Act
16 (15 U.S.C. 278k(a)).

17 (4) DIRECTOR.—The term “Director” means
18 the Director of the National Institute of Standards
19 and Technology.

20 (5) HOLLINGS MANUFACTURING EXTENSION
21 PARTNERSHIP.—The term “Hollings Manufacturing
22 Extension Partnership” has the meaning given such
23 term in section 25(a) of the National Institute of
24 Standards and Technology Act (15 U.S.C. 278k(a)).

1 (6) INDIAN TRIBE.—The term “Indian Tribe”
2 has the meaning given the term in section 4 of the
3 Indian Self-Determination and Education Assistance
4 Act (25 U.S.C. 5304).

5 (7) KEY EMERGING TECHNOLOGIES.—The term
6 “key emerging technologies” means the technologies
7 included in the initial list of key technology focus
8 areas set forth by section 10387(c) of the Research
9 and Development, Competition, and Innovation Act
10 (42 U.S.C. 19107(c)), photonics, and electronics.

11 (8) RURAL COMMUNITY.—The term “rural
12 community” means a community that is located in
13 areas that are not classified as urban by the Bureau
14 of the Census.

15 (9) SECRETARY.—The term “Secretary” means
16 the Secretary of Commerce.

17 (10) SMALL BUSINESS CONCERN.—The term
18 “small business concern” has the meaning given
19 such term in section 3(a) of the Small Business Act
20 (15 U.S.C. 632(a)).

21 (b) DEVELOPMENT OF TRAINING RESOURCES RE-
22 QUIRED.—

23 (1) IN GENERAL.—Not later than 1 year after
24 the date of the enactment of this Act, the Secretary
25 shall, acting through the Director, the Hollings

1 Manufacturing Extension Partnership, and the Cen-
2 ters and in consultation and coordination with the
3 Administrator of the Small Business Administration,
4 the Secretary of Agriculture, and such persons in
5 the private sector as the Secretary of Commerce con-
6 siders appropriate, develop training resources for
7 small business concerns, including small business
8 concerns located in rural, Tribal, or underserved
9 communities or involved in advanced manufacturing,
10 relating to the adoption and use of artificial intel-
11 ligence and such other key emerging technologies,
12 such as quantum-hybrid computing, as the Secretary
13 considers appropriate.

14 (2) CONTENTS.—The training resources devel-
15 oped under paragraph (1) shall include prompt engi-
16 neering and the use of artificial intelligence or
17 emerging technologies, such as quantum hybrid
18 tools, relating to access to credit and capital, finan-
19 cial management and accounting, business planning
20 and operations, cybersecurity, marketing, supply
21 chain management, government contracting, and ex-
22 porting.

23 (c) REVIEW AND UPDATE OF TRAINING RE-
24 SOURCES.—Not later than 18 months after the date of
25 the enactment of this Act, and not less frequently than

1 once each year thereafter, the Secretary shall, in consulta-
2 tion with the Administrator of the Small Business Admin-
3 istration—

4 (1) review the training resources developed pur-
5 suant to subsection (b); and

6 (2) update such resources as the Secretary con-
7 siders appropriate.

8 (d) DISTRIBUTION AND USE OF TRAINING RE-
9 SOURCES.—The Secretary shall coordinate with the Ad-
10 ministrator of the Small Business Administration on the
11 distribution and use of the training resources that are de-
12 veloped pursuant to subsection (b) through the resource
13 partners of the Small Business Administration, including
14 small business development centers, women business cen-
15 ters, SCORE, veteran business opportunity centers, and
16 the Apex Accelerator.

17 (e) GRANTS PROGRAM.—The Secretary may, in co-
18 ordination with the Administrator of the Small Business
19 Administration, carry out a program on the award of
20 grants to persons providing training relating to artificial
21 intelligence to small business concerns using the training
22 resources developed under subsection (b).

23 (f) REPORTS TO CONGRESS.—

24 (1) INITIAL REPORT.—Not later than 1 year
25 after the date of the enactment of this Act, the Sec-

1 retary shall submit to the appropriate committees of
2 Congress a report on the development, distribution,
3 and use of the training resources developed pursuant
4 to subsection (b).

5 (2) ANNUAL REPORTS.—

6 (A) REPORTS REQUIRED.—Not later than
7 2 years after the date of the enactment of this
8 Act, and not less frequently than once each
9 year thereafter, the Secretary shall, in consulta-
10 tion with the Administrator of the Small Busi-
11 ness Administration, submit to appropriate
12 committees of Congress an annual report on the
13 development, distribution, and use of training
14 resources developed pursuant to subsection (b).

15 (B) CONTENTS.—Each report submitted to
16 subparagraph (A) shall include, for the period
17 of covered by the report, the following:

18 (i) A list of the training resources de-
19 veloped pursuant to subsection (b).

20 (ii) A description of the measurable
21 outcomes of the distribution of such train-
22 ing resources, including the following:

23 (I) The number and type of small
24 business concerns using such training
25 resources.

1 (II) The effect of such use on the
2 revenues, sales, and workforces of the
3 small business concerns.

4 (g) SUNSET.—The authorities and requirements
5 under this section shall terminate on the date that is 7
6 years after the date of the enactment of this Act.