

AMENDMENT IN THE NATURE OF A SUBSTITUTE
TO H.R. 6461
OFFERED BY MS. MCBRIDE OF DELAWARE

Strike all after the enacting clause and insert the following:

1 SECTION 1. SHORT TITLE.

2 This Act may be cited as the “Resources for Evalu-
3 ating and Documenting AI Models” or the “READ AI
4 Models Act”.

5 SEC. 2. RESOURCES FOR ARTIFICIAL INTELLIGENCE
6 MODEL DOCUMENTATION.

7 (a) IN GENERAL.—Subject to the availability of ap-
8 propriations, the Director of the National Institute of
9 Standards and Technology, in consultation with the heads
10 of other Federal agencies, as appropriate, shall initiate a
11 pilot program to establish a structured template and asso-
12 ciated technical guidelines for documentation to accom-
13 pany artificial intelligence models and associated data de-
14 veloped and used by the public sector or private sector.

15 (b) ACTIVITIES.—In carrying out subsection (a), the
16 Director shall carry out the following:

17 (1) Produce a structured template designed to
18 enable a user to document information about an ar-

1 artificial intelligence model and associated data, which
2 may include the following information:

3 (A) The name of such model.

4 (B) The identification of the developer of
5 such model.

6 (C) The identification of the location where
7 such developer is incorporated.

8 (D) The release date of such model.

9 (E) The knowledge cutoff date for such
10 model's training data.

11 (F) Languages supported by such model.

12 (G) Terms of service of such model.

13 (H) A model specification for such model,
14 or the location of such model specification if
15 documented elsewhere.

16 (I) The results of evaluations of such
17 model, including results of such evaluations re-
18 lated to risks—

19 (i) of unlawful bias; or

20 (ii) to public safety.

21 (J) Any other information the Director de-
22 termines appropriate.

23 (2) Ensure such template is modular in nature,
24 such that users can flexibly adopt and complete sec-
25 tions, categories, or other similar components of

1 such template in accordance with a specific use case,
2 including relating to sector-specific needs, intended
3 audiences, and a set of desired characteristics.

4 (3) Provide detailed technical guidelines accom-
5 panying such template that—

6 (A) make available relevant metrics or
7 benchmarks for each component of such tem-
8 plate for a range of artificial intelligence model
9 types, as applicable; and

10 (B) incorporate voluntary consensus-based
11 technical standards and industry best practices,
12 as appropriate.

13 (c) STAKEHOLDER INPUT.—In carrying out sub-
14 section (b), the Director shall carry out the following:

15 (1) Collaborate with private sector entities, in-
16 stitutions of higher education, nonprofit organiza-
17 tions, international standards organizations, and
18 Federal agencies, as the Director determines appro-
19 priate, including conducting periodic outreach to
20 such entities, institutions, organizations, and agen-
21 cies.

22 (2) Publish a draft or related outline of the
23 structured template and associated technical guide-
24 lines referred to in paragraph (1), and provide an
25 opportunity for submission of public comments for a

1 period of not less than 60 days to be considered for
2 incorporation into such template and guidelines.

3 (d) REPORTING AND PUBLICATION.—Not later than
4 12 months after the date on which the Director establishes
5 the pilot program pursuant to subsection (a), the Director
6 shall carry out the following:

7 (1) Submit to the Committee on Science, Space,
8 and Technology of the House of Representatives and
9 the Committee on Commerce, Science, and Trans-
10 portation of the Senate a report that includes the
11 following:

12 (A) An assessment on the effectiveness of
13 such pilot program.

14 (B) If so assessed to be effective, a plan
15 for a transition to permanent implementation,
16 including relating to administration, of such
17 pilot program.

18 (2) Make publicly available on the website of
19 the National Institute of Standards and Technology
20 the structured template and associated technical
21 guidelines referred to in subsection (a), including the
22 incorporation of any appropriate comments in ac-
23 cordance with subsection (c)(2).

24 (e) DEFINITIONS.—In this section:

1 (1) ARTIFICIAL INTELLIGENCE.—The term “ar-
2 tificial intelligence” has the meaning given such
3 term in section 5002 of the National Artificial Intel-
4 ligence Initiative Act of 2020 (15 U.S.C. 9401).

5 (2) ARTIFICIAL INTELLIGENCE MODEL.—The
6 term “artificial intelligence model” means a compo-
7 nent of an artificial intelligence system that is—

8 (A) derived using mathematical, computa-
9 tional, statistical, or machine-learning tech-
10 niques; and

11 (B) used as part of an artificial intel-
12 ligence system to produce outputs from a given
13 set of inputs.

14 (3) ARTIFICIAL INTELLIGENCE SYSTEM.—The
15 term “artificial intelligence system” means any data
16 system, software, hardware, application, tool, service,
17 or utility that operates in whole or in part using an
18 artificial intelligence model.

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

22 (5) INSTITUTION OF HIGHER EDUCATION.—The
23 term “institution of higher education” has the
24 meaning given such term in section 101(a) of the
25 Higher Education Act of 1965 (20 U.S.C. 1001(a)).

1 (6) INTERNATIONAL STANDARDS ORGANIZA-
2 TION.—The term “international standards organiza-
3 tion” has the meaning given such term in section
4 451 of the Trade Agreements Act of 1979 (19
5 U.S.C. 2571).

6 (7) MODEL SPECIFICATION.—The term “model
7 specification”—

8 (A) means the text or other configuration
9 instructions of an artificial intelligence model—

10 (i) that establish the intended base
11 behavior, tone, constraints, or goals of
12 such a model; and

13 (ii) that materially influence the out-
14 puts of such a model across users or ses-
15 sions, including the system prompt pro-
16 vided to such a model before engaging with
17 user queries; and

18 (B) includes—

19 (i) any other text or images such a
20 model receives that are not visible to the
21 end user;

22 (ii) any constitution or analogous
23 guiding document used when training or
24 fine-tuning such a model, including in
25 automated schemes in which an artificial

1 intelligence system or artificial intelligence
2 model trains another artificial intelligence
3 system or artificial intelligence model; and

4 (iii) any instructions, rubrics, or other
5 guidance provided to human raters or eval-
6 uators of an artificial intelligence model or
7 artificial intelligence system the feedback
8 of whom is used to train or fine-tune an
9 artificial intelligence model.

10 (8) NONPROFIT ORGANIZATION.—The term
11 “nonprofit organization” means an organization de-
12 scribed in section 501(c)(3) of the Internal Revenue
13 Code of 1986 and exempt from tax under section
14 501(a) of such Code.

