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(Original Signature of Member)

119TH CONGRESS
2D SESSION

H. R. _____

To amend the National Institute of Standards and Technology Act to authorize certain assessments by the Director of the Institute and impose requirements on certain memorandums of understanding relating to artificial intelligence, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

Mr. WHITESIDES introduced the following bill; which was referred to the Committee on _____

A BILL

To amend the National Institute of Standards and Technology Act to authorize certain assessments by the Director of the Institute and impose requirements on certain memorandums of understanding relating to artificial intelligence, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Self-Improving AI
5 Monitoring Act”.

1 **SEC. 2. ASSESSMENTS AND MEMORANDUMS OF UNDER-**
2 **STANDING WITH RESPECT TO CERTAIN**
3 **STANDARDS FOR ARTIFICIAL INTELLIGENCE.**

4 Section 22A of the National Institute of Standards
5 and Technology Act (15 U.S.C. 278h–1) is amended—

6 (1) in subsection (b)—

7 (A) in paragraph (4), by striking “and”
8 after the semicolon;

9 (B) in paragraph (5), by striking the pe-
10 riod and inserting “; and”; and

11 (C) by adding at the end the following new
12 paragraph:

13 “(6) assess, based on the information, if any,
14 disclosed pursuant to subsection (h)(1) and other in-
15 formation, trends regarding the capabilities of artifi-
16 cial intelligence systems, including such a capability
17 to autonomously facilitate or conduct research on or
18 development of an artificial intelligence system, that
19 might contribute to scientific research and develop-
20 ment breakthroughs.”;

21 (2) by redesignating subsection (h) as sub-
22 section (i); and

23 (3) by inserting after subsection (g) the fol-
24 lowing new subsection:

25 “(h) REQUIREMENTS FOR MEMORANDUMS OF UN-
26 DERSTANDING.—In carrying out subsection (b), the Direc-

1 tor may not enter into with the developer of a frontier
2 artificial intelligence system (as determined by the Direc-
3 tor) a memorandum of understanding to conduct pre-de-
4 ployment evaluation of such frontier artificial intelligence
5 system unless the following requirements are satisfied:

6 “(1) Such memorandum includes a requirement
7 for such developer, in carrying out such evaluation,
8 to disclose to the Director upon request of the Direc-
9 tor information relating to the extent to which an
10 artificial intelligence system was utilized to facilitate
11 or conduct research on or development of such fron-
12 tier artificial intelligence system, such as any of the
13 following information:

14 “(A) A metric maintained by such devel-
15 oper in the ordinary course of business relating
16 to such utilization.

17 “(B) An estimate of the extent to which an
18 artificial intelligence system was so utilized
19 without human review.

20 “(C) A description of the methodology uti-
21 lized to develop such estimate.

22 “(2) Such evaluation includes an evaluation of
23 the capabilities, if any, of such frontier artificial in-
24 telligence system to autonomously facilitate or con-

- 1 duct research on or development of an artificial in-
- 2 telligence system.”.