

116TH CONGRESS
2D SESSION

H. R. 7096

To establish the National Artificial Intelligence Research Resource Task Force, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

JUNE 4, 2020

Ms. ESHOO (for herself, Mr. GONZALEZ of Ohio, and Ms. SHERRILL) introduced the following bill; which was referred to the Committee on Science, Space, and Technology

A BILL

To establish the National Artificial Intelligence Research Resource Task Force, 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 “National AI Research
5 Resource Task Force Act of 2020”.

6 **SEC. 2. NATIONAL AI RESEARCH RESOURCE TASK FORCE.**

7 (a) DEFINITIONS.—In this section:

8 (1) NATIONAL ARTIFICIAL INTELLIGENCE RE-
9 SEARCH RESOURCE.—The term “national artificial
10 intelligence research resource” mean a system that

1 provides researchers and students across scientific
2 fields and disciplines with access to compute re-
3 sources, co-located with publicly available, artificial
4 intelligence-ready government and nongovernment
5 data sets and a research environment with appro-
6 priate educational tools and user support.

7 (2) OWNERSHIP.—The term “ownership”, with
8 respect to a national artificial intelligence research
9 resource, means responsibility and accountability
10 for—

11 (A) the implementation, deployment, and
12 ongoing development of the resource; and

13 (B) providing staff to support such imple-
14 mentation, deployment, and ongoing develop-
15 ment.

16 (b) ESTABLISHMENT OF TASK FORCE.—

17 (1) ESTABLISHMENT.—

18 (A) IN GENERAL.—The Director of the
19 National Science Foundation, in coordination
20 with the Director of the Office of Science and
21 Technology Policy, shall establish a task
22 force—

23 (i) to investigate the feasibility and
24 advisability of establishing a national arti-
25 ficial intelligence research resource; and

1 (ii) to propose a roadmap detailing
2 how such resource should be established
3 and sustained.

4 (B) DESIGNATION.—The task force estab-
5 lished by subparagraph (A) shall be known as
6 the “National Artificial Intelligence Research
7 Resource Task Force” (in this section referred
8 to as the “Task Force”).

9 (2) MEMBERSHIP.—

10 (A) COMPOSITION.—The Task Force shall
11 be composed of 12 members selected by the co-
12 chairpersons of the Task Force from among
13 technical experts in artificial intelligence or re-
14 lated subjects, of whom—

15 (i) 4 shall be representatives from the
16 Federal Government, including the co-
17 chairpersons of the Task Force;

18 (ii) 4 shall be representatives from in-
19 stitutions of higher educations (as such
20 term is defined in section 101 of the High-
21 er Education Act of 1965 (20 U.S.C.
22 1001)); and

23 (iii) 4 shall be representatives from
24 private organizations.

1 (B) APPOINTMENT.—Not later than 120
2 days after enactment of this Act, the co-chair-
3 persons of the Task Force shall appoint mem-
4 bers to the Task Force pursuant to subpara-
5 graph (A).

6 (C) TERM OF APPOINTMENT.—Members of
7 the Task Force shall be appointed for the life
8 of the Task Force.

9 (D) VACANCY.—Any vacancy occurring in
10 the membership of the Task Force shall be
11 filled in the same manner in which the original
12 appointment was made.

13 (E) CO-CHAIRPERSONS.—The Director of
14 the Office of Science and Technology Policy and
15 the Director of the National Sciences Founda-
16 tion, or their designees, shall be the co-chair-
17 persons of the Task Force. If the role of the
18 Director of the National Science Foundation is
19 vacant, the Chair of the National Science Board
20 shall act as a co-chairperson of the Task Force
21 in lieu of the Director of the National Science
22 Foundation.

23 (F) EXPENSES FOR NON-FEDERAL MEM-
24 BERS.—Non-Federal members of the Task
25 Force shall be allowed travel expenses, includ-

1 ing per diem in lieu of subsistence, at rates au-
2 thorized for employees under subchapter I of
3 chapter 57 of title 5, United States Code, while
4 away from their homes or regular places of
5 business in the performance of services for the
6 Task Force.

7 (c) ROADMAP AND IMPLEMENTATION PLAN.—

8 (1) IN GENERAL.—The Task Force shall de-
9 velop a coordinated roadmap and implementation
10 plan for establishing and sustaining a national artifi-
11 cial intelligence research resource.

12 (2) CONTENTS.—The roadmap and plan re-
13 quired by paragraph (1) shall include the following:

14 (A) Goals for establishment and sustain-
15 ment of a national artificial intelligence re-
16 search resource and metrics for success.

17 (B) A plan for ownership and administra-
18 tion of such resource, including—

19 (i) an appropriate agency or organiza-
20 tion responsible for the implementation,
21 deployment, and administration of the re-
22 source; and

23 (ii) a governance structure for the re-
24 source, including oversight and decision-
25 making authorities.

1 (C) A model for governance and oversight
2 to establish strategic direction, make pro-
3 grammatic decisions, and manage the allocation
4 of resources.

5 (D) Capabilities required to create and
6 maintain a shared computing infrastructure to
7 facilitate access to computing resources for re-
8 searchers across the country, including scalabil-
9 ity, secured access control, resident data engi-
10 neering and curation expertise, provision of
11 curated, data sets, compute resources, edu-
12 cational tools and services, and a user interface
13 portal.

14 (E) An assessment of, and recommend so-
15 lutions to, barriers to the dissemination and use
16 of high-quality government data sets as part of
17 the national artificial intelligence research re-
18 source.

19 (F) An assessment of security require-
20 ments associated with the national artificial in-
21 telligence research resource and its research
22 and a recommendation for a framework for the
23 management of access controls.

24 (G) An assessment of privacy and civil lib-
25 erties requirements associated with the national

1 artificial intelligence research resource and its
2 research.

3 (H) A plan for sustaining the national ar-
4 tificial intelligence research resource, including
5 through Federal funding and partnerships with
6 the private sector.

7 (I) The parameters for the establishment
8 and sustainment of the national artificial intel-
9 ligence research resource, including roles and
10 responsibilities for Federal agencies and mile-
11 stones to establish and sustain the resource.

12 (d) CONSULTATIONS.—In carrying out subsection (c),
13 the Task Force shall consult with the following:

14 (1) The National Science Foundation.

15 (2) The Office of Science and Technology Pol-
16 icy.

17 (3) The National Academies of Sciences, Engi-
18 neering, and Medicine.

19 (4) The National Institute of Standards and
20 Technology.

21 (5) The Defense Advanced Research Projects
22 Agency.

23 (6) The Intelligence Advanced Research
24 Projects Activity.

25 (7) The Department of Energy.

1 (8) The Department of Defense.

2 (9) The General Services Administration.

3 (10) Private industry.

4 (11) Institutions of higher education.

5 (12) Such other persons as the Task Force con-
6 siders appropriate.

7 (e) STAFF.—Staff of the Task Force shall comprise
8 detailees with expertise in artificial intelligence, or related
9 fields from the Office of Science and Technology Policy,
10 the National Science Foundation, or any other Federal
11 agency the co-chairpersons consider appropriate, with the
12 consent of the head of the Federal agency. The co-chair-
13 persons may hire staff from outside the Federal govern-
14 ment for the duration of the task force.

15 (f) TASK FORCE REPORTS.—

16 (1) INITIAL REPORT.—Not later than 6 months
17 after the date on which all of the appointments have
18 been made under subsection (b)(2)(B), the Task
19 Force shall submit to Congress and the President an
20 interim report containing the findings, conclusions,
21 and recommendations of the Task Force. The report
22 shall include specific recommendations regarding
23 steps the Task Force believes necessary for the es-
24 tablishment and sustainment of a national artificial
25 intelligence research resource.

1 (2) FINAL REPORT.—Not later than 3 months
2 after the submittal of the interim report under para-
3 graph (1), the Task Force shall submit to Congress
4 and the President a final report containing the find-
5 ings, conclusions, and recommendations of the Task
6 Force, including the specific recommendations devel-
7 oped under subsection (c).

8 (g) TERMINATION.—

9 (1) IN GENERAL.—The Task Force shall termi-
10 nate 90 days after the date on which it submits the
11 final report under subsection (f)(2).

12 (2) RECORDS.—Upon termination of the Task
13 Force, all of its records shall become the records of
14 the National Archives and Records Administration.

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