

113TH CONGRESS
1ST SESSION

H. R. 967

AN ACT

To amend the High-Performance Computing Act of 1991 to authorize activities for support of networking and information technology research, 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,*

1 **SECTION 1. SHORT TITLE.**

2 This Act may be cited as the “Advancing America’s
3 Networking and Information Technology Research and
4 Development Act of 2013”.

5 **SEC. 2. PROGRAM PLANNING AND COORDINATION.**

6 (a) PERIODIC REVIEWS.—Section 101 of the High-
7 Performance Computing Act of 1991 (15 U.S.C. 5511)
8 is amended by adding at the end the following new sub-
9 section:

10 “(d) PERIODIC REVIEWS.—The agencies identified in
11 subsection (a)(3)(B) shall—

12 “(1) periodically assess the contents and fund-
13 ing levels of the Program Component Areas and re-
14 structure the Program when warranted, taking into
15 consideration any relevant recommendations of the
16 advisory committee established under subsection (b);
17 and

18 “(2) ensure that the Program includes large-
19 scale, long-term, interdisciplinary research and de-
20 velopment activities, including activities described in
21 section 104.”.

22 (b) DEVELOPMENT OF STRATEGIC PLAN.—Section
23 101 of such Act (15 U.S.C. 5511) is amended further by
24 adding after subsection (d), as added by subsection (a)
25 of this Act, the following new subsection:

26 “(e) STRATEGIC PLAN.—

1 “(1) IN GENERAL.—The agencies identified in
2 subsection (a)(3)(B), working through the National
3 Science and Technology Council and with the assist-
4 ance of the National Coordination Office described
5 under section 102, shall develop, within 12 months
6 after the date of enactment of the Advancing Amer-
7 ica’s Networking and Information Technology Re-
8 search and Development Act of 2013, and update
9 every 3 years thereafter, a 5-year strategic plan to
10 guide the activities described under subsection
11 (a)(1).

12 “(2) CONTENTS.—The strategic plan shall
13 specify near-term and long-term objectives for the
14 Program, the anticipated time frame for achieving
15 the near-term objectives, the metrics to be used for
16 assessing progress toward the objectives, and how
17 the Program will—

18 “(A) foster the transfer of research and
19 development results into new technologies and
20 applications for the benefit of society, including
21 through cooperation and collaborations with
22 networking and information technology re-
23 search, development, and technology transition
24 initiatives supported by the States;

1 “(B) encourage and support mechanisms
2 for interdisciplinary research and development
3 in networking and information technology, in-
4 cluding through collaborations across agencies,
5 across Program Component Areas, with indus-
6 try, with Federal laboratories (as defined in
7 section 4 of the Stevenson-Wydler Technology
8 Innovation Act of 1980 (15 U.S.C. 3703)), and
9 with international organizations;

10 “(C) address long-term challenges of na-
11 tional importance for which solutions require
12 large-scale, long-term, interdisciplinary research
13 and development;

14 “(D) place emphasis on innovative and
15 high-risk projects having the potential for sub-
16 stantial societal returns on the research invest-
17 ment;

18 “(E) strengthen all levels of networking
19 and information technology education and
20 training programs to ensure an adequate, well-
21 trained workforce; and

22 “(F) attract more women and underrep-
23 resented minorities to pursue postsecondary de-
24 grees in networking and information tech-
25 nology.

1 “(3) NATIONAL RESEARCH INFRASTRUC-
2 TURE.—The strategic plan developed in accordance
3 with paragraph (1) shall be accompanied by mile-
4 stones and roadmaps for establishing and maintain-
5 ing the national research infrastructure required to
6 support the Program, including the roadmap re-
7 quired by subsection (a)(2)(E).

8 “(4) RECOMMENDATIONS.—The entities in-
9 volved in developing the strategic plan under para-
10 graph (1) shall take into consideration the rec-
11 ommendations—

12 “(A) of the advisory committee established
13 under subsection (b); and

14 “(B) of the stakeholders whose input was
15 solicited by the National Coordination Office, as
16 required under section 102(b)(3).

17 “(5) REPORT TO CONGRESS.—The Director of
18 the National Coordination Office shall transmit the
19 strategic plan required under paragraph (1) to the
20 advisory committee, the Committee on Commerce,
21 Science, and Transportation of the Senate, and the
22 Committee on Science, Space, and Technology of the
23 House of Representatives.”.

1 (c) ADDITIONAL RESPONSIBILITIES OF DIRECTOR.—
2 Section 101(a)(2) of such Act (15 U.S.C. 5511(a)(2)) is
3 amended—

4 (1) in subparagraph (A) by inserting “edu-
5 cation,” before “and other activities”;

6 (2) by redesignating subparagraphs (E) and
7 (F) as subparagraphs (F) and (G), respectively; and

8 (3) by inserting after subparagraph (D) the fol-
9 lowing new subparagraph:

10 “(E) encourage and monitor the efforts of the
11 agencies participating in the Program to allocate the
12 level of resources and management attention nec-
13 essary to ensure that the strategic plan under sub-
14 section (e) is developed and executed effectively and
15 that the objectives of the Program are met;”.

16 (d) ADVISORY COMMITTEE.—Section 101(b)(1) of
17 such Act (15 U.S.C. 5511(b)(1)) is amended—

18 (1) after the first sentence, by inserting the fol-
19 lowing: “The co-chairs of the advisory committee
20 shall meet the qualifications of committee member-
21 ship and may be members of the President’s Council
22 of Advisors on Science and Technology.”; and

23 (2) in subparagraph (D), by striking “high-per-
24 formance” and inserting “high-end”.

1 (e) REPORT.—Section 101(a)(3) of such Act (15
2 U.S.C. 5511(a)(3)) is amended—

3 (1) in subparagraph (B)—

4 (A) by redesignating clauses (vii) through
5 (xi) as clauses (viii) through (xii), respectively;
6 and

7 (B) by inserting after clause (vi) the fol-
8 lowing:

9 “(vii) the Department of Homeland
10 Security;”;

11 (2) in subparagraph (C)—

12 (A) by striking “is submitted,” and insert-
13 ing “is submitted, the levels for the previous
14 fiscal year;” and

15 (B) by striking “each Program Component
16 Area;” and inserting “each Program Compo-
17 nent Area and research area supported in ac-
18 cordance with section 104;”;

19 (3) in subparagraph (D)—

20 (A) by striking “each Program Component
21 Area,” and inserting “each Program Compo-
22 nent Area and research area supported in ac-
23 cordance with section 104;”;

1 (B) by striking “is submitted,” and insert-
2 ing “is submitted, the levels for the previous
3 fiscal year,”; and

4 (C) by striking “and” after the semicolon;
5 (4) by redesignating subparagraph (E) as sub-
6 paragraph (G); and

7 (5) by inserting after subparagraph (D) the fol-
8 lowing new subparagraphs:

9 “(E) include a description of how the objectives
10 for each Program Component Area, and the objec-
11 tives for activities that involve multiple Program
12 Component Areas, relate to the objectives of the
13 Program identified in the strategic plan required
14 under subsection (e);

15 “(F) include—

16 “(i) a description of the funding required
17 by the National Coordination Office to perform
18 the functions specified under section 102(b) for
19 the next fiscal year by category of activity;

20 “(ii) a description of the funding required
21 by such Office to perform the functions speci-
22 fied under section 102(b) for the current fiscal
23 year by category of activity; and

1 “(iii) the amount of funding provided for
2 such Office for the current fiscal year by each
3 agency participating in the Program; and”.

4 (f) DEFINITION.—Section 4 of such Act (15 U.S.C.
5 5503) is amended—

6 (1) by redesignating paragraphs (1) through
7 (7) as paragraphs (2) through (8), respectively;

8 (2) by inserting before paragraph (2), as so re-
9 designated, the following new paragraph:

10 “(1) ‘cyber-physical systems’ means physical or
11 engineered systems whose networking and informa-
12 tion technology functions and physical elements are
13 deeply integrated and are actively connected to the
14 physical world through sensors, actuators, or other
15 means to perform monitoring and control func-
16 tions;”;

17 (3) in paragraph (3), as so redesignated, by
18 striking “high-performance computing” and insert-
19 ing “networking and information technology”;

20 (4) in paragraph (4), as so redesignated—

21 (A) by striking “high-performance com-
22 puting” and inserting “networking and infor-
23 mation technology”; and

24 (B) by striking “supercomputer” and in-
25 serting “high-end computing”;

1 (5) in paragraph (6), as so redesignated, by
2 striking “network referred to as” and all that fol-
3 lows through the semicolon and inserting “network,
4 including advanced computer networks of Federal
5 agencies and departments;”; and

6 (6) in paragraph (7), as so redesignated, by
7 striking “National High-Performance Computing
8 Program” and inserting “networking and informa-
9 tion technology research and development program”.

10 **SEC. 3. LARGE-SCALE RESEARCH IN AREAS OF NATIONAL**
11 **IMPORTANCE.**

12 Title I of such Act (15 U.S.C. 5511) is amended by
13 adding at the end the following new section:

14 **“SEC. 104. LARGE-SCALE RESEARCH IN AREAS OF NA-**
15 **TIONAL IMPORTANCE.**

16 “(a) IN GENERAL.—The Program shall encourage
17 agencies identified in section 101(a)(3)(B) to support
18 large-scale, long-term, interdisciplinary research and de-
19 velopment activities in networking and information tech-
20 nology directed toward application areas that have the po-
21 tential for significant contributions to national economic
22 competitiveness and for other significant societal benefits.
23 Such activities, ranging from basic research to the dem-
24 onstration of technical solutions, shall be designed to ad-
25 vance the development of research discoveries. The advi-

1 sory committee established under section 101(b) shall
2 make recommendations to the Program for candidate re-
3 search and development areas for support under this sec-
4 tion.

5 “(b) CHARACTERISTICS.—

6 “(1) IN GENERAL.—Research and development
7 activities under this section shall—

8 “(A) include projects selected on the basis
9 of applications for support through a competi-
10 tive, merit-based process;

11 “(B) involve collaborations among re-
12 searchers in institutions of higher education
13 and industry, and may involve nonprofit re-
14 search institutions and Federal laboratories, as
15 appropriate;

16 “(C) when possible, leverage Federal in-
17 vestments through collaboration with related
18 State initiatives; and

19 “(D) include a plan for fostering the trans-
20 fer of research discoveries and the results of
21 technology demonstration activities, including
22 from institutions of higher education and Fed-
23 eral laboratories, to industry for commercial de-
24 velopment.

1 “(2) COST-SHARING.—In selecting applications
2 for support, the agencies shall give special consider-
3 ation to projects that include cost sharing from non-
4 Federal sources.

5 “(3) AGENCY COLLABORATION.—If 2 or more
6 agencies identified in section 101(a)(3)(B), or other
7 appropriate agencies, are working on large-scale re-
8 search and development activities in the same area
9 of national importance, then such agencies shall
10 strive to collaborate through joint solicitation and se-
11 lection of applications for support and subsequent
12 funding of projects.

13 “(4) INTERDISCIPLINARY RESEARCH CEN-
14 TERS.—Research and development activities under
15 this section may be supported through interdiscipli-
16 nary research centers that are organized to inves-
17 tigate basic research questions and carry out tech-
18 nology demonstration activities in areas described in
19 subsection (a). Research may be carried out through
20 existing interdisciplinary centers, including those au-
21 thorized under section 7024(b)(2) of the America
22 COMPETES Act (Public Law 110–69; 42 U.S.C.
23 1862o–10).”.

1 **SEC. 4. CYBER-PHYSICAL SYSTEMS.**

2 (a) ADDITIONAL PROGRAM CHARACTERISTICS.—Sec-
3 tion 101(a)(1) of such Act (15 U.S.C. 5511(a)(1)) is
4 amended—

5 (1) in subparagraph (H), by striking “and”
6 after the semicolon;

7 (2) in subparagraph (I)—

8 (A) by striking “improving the security”
9 and inserting “improving the security, reli-
10 ability, and resilience”; and

11 (B) by striking the period at the end and
12 inserting a semicolon; and

13 (3) by adding at the end the following new sub-
14 paragraphs:

15 “(J) provide for increased understanding of the
16 scientific principles of cyber-physical systems and
17 improve the methods available for the design, devel-
18 opment, and operation of cyber-physical systems
19 that are characterized by high reliability, safety, and
20 security; and

21 “(K) provide for research and development on
22 human-computer interactions, visualization, and big
23 data.”.

24 (b) WORKSHOP.—Title I of such Act (15 U.S.C.
25 5511) is amended further by adding after section 104, as
26 added by section 3 of this Act, the following new section:

1 **“SEC. 105. UNIVERSITY/INDUSTRY WORKSHOP.**

2 “(a) ESTABLISHMENT.—Not later than 1 year after
3 the date of enactment of the Advancing America’s Net-
4 working and Information Technology Research and Devel-
5 opment Act of 2013, the Director of the National Coordi-
6 nation Office shall convene a workshop, with participants
7 from institutions of higher education, Federal labora-
8 tories, and industry, to explore mechanisms for carrying
9 out collaborative research and development activities for
10 cyber-physical systems, including the related technologies
11 required to enable these systems, and to develop grand
12 challenges in cyber-physical systems research and develop-
13 ment.

14 “(b) FUNCTIONS.—The workshop participants
15 shall—

16 “(1) develop options for models for research
17 and development partnerships among institutions of
18 higher education, Federal laboratories, and industry,
19 including mechanisms for the support of research
20 and development carried out under these partner-
21 ships;

22 “(2) develop options for grand challenges in
23 cyber-physical systems research and development
24 that would be addressed through such partnerships;

1 “(3) propose guidelines for assigning intellec-
2 tual property rights and for the transfer of research
3 results to the private sector; and

4 “(4) make recommendations for how Federal
5 agencies participating in the Program can help sup-
6 port research and development partnerships in
7 cyber-physical systems, including through existing or
8 new grant programs.

9 “(c) PARTICIPANTS.—The Director of the National
10 Coordination Office shall ensure that participants in the
11 workshop are individuals with knowledge and expertise in
12 cyber-physical systems and that participants represent a
13 broad mix of relevant stakeholders, including academic
14 and industry researchers, cyber-physical systems and tech-
15 nologies manufacturers, cyber-physical systems and tech-
16 nologies users, and, as appropriate, Federal Government
17 regulators.

18 “(d) REPORT.—Not later than 18 months after the
19 date of enactment of the Advancing America’s Networking
20 and Information Technology Research and Development
21 Act of 2013, the Director of the National Coordination
22 Office shall transmit to the Committee on Commerce,
23 Science, and Transportation of the Senate and the Com-
24 mittee on Science, Space, and Technology of the House
25 of Representatives a report describing the findings and

1 recommendations resulting from the workshop required
2 under this section.”.

3 **SEC. 5. CLOUD COMPUTING SERVICES FOR RESEARCH.**

4 Title I of such Act (15 U.S.C. 5511) is amended fur-
5 ther by adding after section 105, as added by section 4(b)
6 of this Act, the following new section:

7 **“SEC. 106. CLOUD COMPUTING SERVICES FOR RESEARCH.**

8 “(a) INTERAGENCY WORKING GROUP.—Not later
9 than 180 days after the date of enactment of the Advanc-
10 ing America’s Networking and Information Technology
11 Research and Development Act of 2013, the Director of
12 the National Coordination Office, working through the
13 National Science and Technology Council, shall convene
14 an interagency working group to examine—

15 “(1) the research and development needed—

16 “(A) to enhance the effectiveness and effi-
17 ciency of cloud computing environments;

18 “(B) to increase the trustworthiness of
19 cloud applications and infrastructure; and

20 “(C) to enhance the foundations of cloud
21 architectures, programming models, and inter-
22 operability; and

23 “(2) how Federal science agencies can facilitate
24 the use of cloud computing for federally funded
25 science and engineering research, including—

1 “(A) making recommendations on changes
2 in funding mechanisms, budget models, and
3 policies needed to remove barriers to the adop-
4 tion of cloud computing services for research
5 and for data preservation and sharing; and

6 “(B) providing guidance to organizations
7 and researchers on opportunities and guidelines
8 for using cloud computing services for federally
9 supported research and related activities.

10 “(b) CONSULTATION.—In carrying out the tasks in
11 paragraphs (1) and (2) of subsection (a), the working
12 group shall consult with academia, industry, Federal lab-
13 oratories, and other relevant organizations and institu-
14 tions, as appropriate.

15 “(c) REPORT.—Not later than 1 year after the date
16 of enactment of the Advancing America’s Networking and
17 Information Technology Research and Development Act of
18 2013, the Director of the National Coordination Office
19 shall transmit to the Committee on Science, Space, and
20 Technology of the House of Representatives and the Com-
21 mittee on Commerce, Science, and Transportation of the
22 Senate a report describing the findings and any rec-
23 ommendations of the working group.

1 “(d) TERMINATION.—The interagency working group
2 shall terminate upon transmittal of the report required
3 under subsection (c).”.

4 **SEC. 6. NATIONAL COORDINATION OFFICE.**

5 Section 102 of such Act (15 U.S.C. 5512) is amended
6 to read as follows:

7 **“SEC. 102. NATIONAL COORDINATION OFFICE.**

8 “(a) OFFICE.—The Director shall continue a Na-
9 tional Coordination Office with a Director and full-time
10 staff.

11 “(b) FUNCTIONS.—The National Coordination Office
12 shall—

13 “(1) provide technical and administrative sup-
14 port to—

15 “(A) the agencies participating in planning
16 and implementing the Program, including such
17 support as needed in the development of the
18 strategic plan under section 101(e); and

19 “(B) the advisory committee established
20 under section 101(b);

21 “(2) serve as the primary point of contact on
22 Federal networking and information technology ac-
23 tivities for government organizations, academia, in-
24 dustry, professional societies, State computing and
25 networking technology programs, interested citizen

1 groups, and others to exchange technical and pro-
2 grammatic information;

3 “(3) solicit input and recommendations from a
4 wide range of stakeholders during the development
5 of each strategic plan required under section 101(e)
6 through the convening of at least 1 workshop with
7 invitees from academia, industry, Federal labora-
8 tories, and other relevant organizations and institu-
9 tions;

10 “(4) conduct public outreach, including the dis-
11 semination of findings and recommendations of the
12 advisory committee, as appropriate; and

13 “(5) promote access to and early application of
14 the technologies, innovations, and expertise derived
15 from Program activities to agency missions and sys-
16 tems across the Federal Government and to United
17 States industry.

18 “(c) SOURCE OF FUNDING.—

19 “(1) IN GENERAL.—The operation of the Na-
20 tional Coordination Office shall be supported by
21 funds from each agency participating in the Pro-
22 gram.

23 “(2) SPECIFICATIONS.—The portion of the total
24 budget of such Office that is provided by each agen-
25 cy for each fiscal year shall be in the same propor-

1 tion as each such agency’s share of the total budget
2 for the Program for the previous fiscal year, as spec-
3 ified in the report required under section
4 101(a)(3).”.

5 **SEC. 7. IMPROVING NETWORKING AND INFORMATION**
6 **TECHNOLOGY EDUCATION.**

7 Section 201(a) of such Act (15 U.S.C. 5521(a)) is
8 amended—

9 (1) by redesignating paragraphs (2) through
10 (4) as paragraphs (3) through (5), respectively; and

11 (2) by inserting after paragraph (1) the fol-
12 lowing new paragraph:

13 “(2) the National Science Foundation shall use
14 its existing programs, in collaboration with other
15 agencies, as appropriate, to improve the teaching
16 and learning of networking and information tech-
17 nology at all levels of education and to increase par-
18 ticipation in networking and information technology
19 fields, including by women and underrepresented mi-
20 norities;”.

21 **SEC. 8. CONFORMING AND TECHNICAL AMENDMENTS.**

22 (a) SECTION 3.—Section 3 of such Act (15 U.S.C.
23 5502) is amended—

1 (1) in the matter preceding paragraph (1), by
2 striking “high-performance computing” and insert-
3 ing “networking and information technology”;

4 (2) in paragraph (1)—

5 (A) in the matter preceding subparagraph
6 (A), by striking “high-performance computing”
7 and inserting “networking and information
8 technology”;

9 (B) in subparagraphs (A), (F), and (G), by
10 striking “high-performance computing” each
11 place it appears and inserting “networking and
12 information technology”; and

13 (C) in subparagraph (H), by striking
14 “high-performance” and inserting “high-end”;
15 and

16 (3) in paragraph (2)—

17 (A) by striking “high-performance com-
18 puting and” and inserting “networking and in-
19 formation technology and”; and

20 (B) by striking “high-performance com-
21 puting network” and inserting “networking and
22 information technology”.

23 (b) TITLE I.—The heading of title I of such Act (15
24 U.S.C. 5511) is amended by striking “**HIGH-PER-**
25 **FORMANCE COMPUTING**” and inserting “**NET-**

1 **WORKING AND INFORMATION TECH-**
2 **NOLOGY**”.

3 (c) SECTION 101.—Section 101 of such Act (15
4 U.S.C. 5511) is amended—

5 (1) in the section heading, by striking “**HIGH-**
6 **PERFORMANCE COMPUTING**” and inserting
7 “**NETWORKING AND INFORMATION TECH-**
8 **NOLOGY RESEARCH AND DEVELOPMENT**”;

9 (2) in subsection (a)—

10 (A) in the subsection heading, by striking
11 “**NATIONAL HIGH-PERFORMANCE COMPUTING**”
12 and inserting “**NETWORKING AND INFORMA-**
13 **TION TECHNOLOGY RESEARCH AND DEVELOP-**
14 **MENT**”;

15 (B) in paragraph (1) of such subsection—

16 (i) in the matter preceding subpara-
17 graph (A), by striking “**National High-Per-**
18 **formance Computing Program**” and insert-
19 ing “**networking and information tech-**
20 **nology research and development pro-**
21 **gram**”;

22 (ii) in subparagraph (A), by striking
23 “**high-performance computing, including**
24 **networking**” and inserting “**networking**
25 **and information technology**”;

- 1 (iii) in subparagraphs (B) and (G), by
2 striking “high-performance” each place it
3 appears and inserting “high-end”; and
- 4 (iv) in subparagraph (C), by striking
5 “high-performance computing and net-
6 working” and inserting “high-end com-
7 puting, distributed, and networking”; and
8 (C) in paragraph (2) of such subsection—
- 9 (i) in subparagraphs (A) and (C)—
- 10 (I) by striking “high-performance
11 computing” each place it appears and
12 inserting “networking and information
13 technology”; and
- 14 (II) by striking “development,
15 networking,” each place it appears
16 and inserting “development,”; and
- 17 (ii) in subparagraphs (F) and (G), as
18 redesignated by section 2(e)(1) of this Act,
19 by striking “high-performance” each place
20 it appears and inserting “high-end”;
- 21 (3) in subsection (b)—
- 22 (A) in paragraph (1), in the matter pre-
23 ceding subparagraph (A), by striking “high-per-
24 formance computing” both places it appears

1 and inserting “networking and information
2 technology”; and

3 (B) in paragraph (2), in the second sen-
4 tence, by striking “2” and inserting “3”; and

5 (4) in subsection (c)(1)(A), by striking “high-
6 performance computing” and inserting “networking
7 and information technology”.

8 (d) SECTION 201.—Section 201(a)(1) of such Act
9 (15 U.S.C. 5521(a)(1)) is amended by striking “high-per-
10 formance computing” and all that follows through “net-
11 working;” and inserting “networking and information re-
12 search and development;”.

13 (e) SECTION 202.—Section 202(a) of such Act (15
14 U.S.C. 5522(a)) is amended by striking “high-perform-
15 ance computing” and inserting “networking and informa-
16 tion technology”.

17 (f) SECTION 203.—Section 203(a) of such Act (15
18 U.S.C. 5523(a)(1)) is amended—

19 (1) in paragraph (1), by striking “high-per-
20 formance computing and networking” and inserting
21 “networking and information technology”; and

22 (2) in paragraph (2)(A), by striking “high-per-
23 formance” and inserting “high-end”.

24 (g) SECTION 204.—Section 204 of such Act (15
25 U.S.C. 5524) is amended—

1 (1) in subsection (a)(1)—

2 (A) in subparagraph (A), by striking
3 “high-performance computing systems and net-
4 works” and inserting “networking and informa-
5 tion technology systems and capabilities”;

6 (B) in subparagraph (B), by striking
7 “interoperability of high-performance com-
8 puting systems in networks and for common
9 user interfaces to systems” and inserting
10 “interoperability and usability of networking
11 and information technology systems”; and

12 (C) in subparagraph (C), by striking
13 “high-performance computing” and inserting
14 “networking and information technology”; and

15 (2) in subsection (b)—

16 (A) in the heading, by striking “HIGH-
17 PERFORMANCE COMPUTING AND NETWORK”
18 and inserting “NETWORKING AND INFORMA-
19 TION TECHNOLOGY”; and

20 (B) by striking “sensitive”.

21 (h) SECTION 205.—Section 205(a) of such Act (15
22 U.S.C. 5525(a)) is amended by striking “computational”
23 and inserting “networking and information technology”.

24 (i) SECTION 206.—Section 206(a) of such Act (15
25 U.S.C. 5526(a)) is amended by striking “computational

1 research” and inserting “networking and information
2 technology research”.

3 (j) SECTION 207.—Section 207(b) of such Act (15
4 U.S.C. 5527(b)) is amended by striking “high-perform-
5 ance computing” and inserting “networking and informa-
6 tion technology”.

7 (k) SECTION 208.—Section 208 of such Act (15
8 U.S.C. 5528) is amended—

9 (1) in the section heading, by striking “**HIGH-**
10 **PERFORMANCE COMPUTING**” and inserting
11 “**NETWORKING AND INFORMATION TECH-**
12 **NOLOGY**”; and

13 (2) in subsection (a)—

14 (A) in paragraph (1), by striking “High-
15 performance computing and associated” and in-
16 serting “Networking and information”;

17 (B) in paragraph (2), by striking “high-
18 performance computing” and inserting “net-
19 working and information technologies”;

20 (C) in paragraph (3), by striking “high-
21 performance” and inserting “high-end”;

22 (D) in paragraph (4), by striking “high-
23 performance computers and associated” and in-
24 serting “networking and information”; and

1 (E) in paragraph (5), by striking “high-
2 performance computing and associated” and in-
3 serting “networking and information”.

Passed the House of Representatives April 16, 2013.

Attest:

Clerk.

113TH CONGRESS
1ST SESSION

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AN ACT

To amend the High-Performance Computing Act of 1991 to authorize activities for support of net-working and information technology research, and for other purposes.