

HR 4218

High-Performance Computing Revitalization Act of 2004

Congress: 108 (2003–2005, Ended)

Chamber: House

Policy Area: Science, Technology, Communications

Introduced: Apr 27, 2004

Current Status: Received in the Senate and Read twice and referred to the Committee on Commerce, Science, and Transp

Latest Action: Received in the Senate and Read twice and referred to the Committee on Commerce, Science, and Transportation. (Jul 8, 2004)

Official Text: <https://www.congress.gov/bill/108th-congress/house-bill/4218>

Sponsor

Name: Rep. Biggert, Judy [R-IL-13]

Party: Republican • State: IL • Chamber: House

Cosponsors (7 total)

| Cosponsor | Party / State | Role | Date Joined |
|------------------------------------|---------------|------|--------------|
| Rep. Boehlert, Sherwood [R-NY-24] | R · NY | | Apr 27, 2004 |
| Rep. Davis, Lincoln [D-TN-4] | D · TN | | Apr 27, 2004 |
| Rep. Johnson, Timothy V. [R-IL-15] | R · IL | | Apr 27, 2004 |
| Rep. Ehlers, Vernon J. [R-MI-3] | R · MI | | Jun 15, 2004 |
| Rep. Woolsey, Lynn C. [D-CA-6] | D · CA | | Jun 15, 2004 |
| Rep. Gordon, Bart [D-TN-6] | D · TN | | Jul 1, 2004 |
| Rep. Smith, Nick [R-MI-7] | R · MI | | Jul 1, 2004 |

Committee Activity

| Committee | Chamber | Activity | Date |
|---|---------|-------------|-------------|
| Commerce, Science, and Transportation Committee | Senate | Referred To | Jul 8, 2004 |
| Science, Space, and Technology Committee | House | Reported By | Jul 1, 2004 |

Subjects & Policy Tags

Policy Area:

Science, Technology, Communications

Related Bills

No related bills are listed.

(This measure has not been amended since it was introduced. The summary has been expanded because action occurred on the measure.)

High-Performance Computing Revitalization Act of 2004 - Amends the High-Performance Computing Act of 1991 to direct the President to implement a High-Performance Computing Research and Development Program (current law provides for a National High-Performance Computing Program) and revise program requirements.

Requires the Director of the Office of Science and Technology Policy to: (1) establish the goals and priorities for Federal high-performance computing research, development, networking, and other activities; (2) establish Program Component Areas that implement such goals and identify the Grand Challenges (i.e., fundamental problems in science or engineering, with broad economic and scientific impact, whose solutions will require the application of high-performance computing resources) that the Program should address; and (3) develop and maintain a research, development, and deployment road map for the provision of high-performance computing systems. Eliminates the requirement that the Director provide for interagency coordination of the Program.

Revises requirements for annual reports by requiring that such reports: (1) describe Program Component Areas, including any changes in the definition of or activities under such Areas and the reasons for such changes, and describe Grand Challenges supported under the Program; (2) describe the levels of Federal funding and the levels proposed for each Program Component Area; (3) describe the levels of Federal funding for each agency and department participating in the Program for each such Area; and (4) include an analysis of the extent to which the Program incorporates the recommendations of the advisory committee on high-performance computing. Eliminates the requirement that such reports include reports from the Secretary of Energy on Department of Energy activities taken to carry out the National High-Performance Computing Program.

Requires such advisory committee to: (1) provide the Director with an independent assessment of the balance between components of the Program, including funding levels for the Program Component Areas and whether the research and development undertaken pursuant to the Program is helping to maintain U.S. leadership in high-performance computing and networking; and (2) conduct periodic evaluations of the funding, management, coordination, implementation, and activities of the Program, and report at least once every two fiscal years to specified congressional committees.

Requires the Office of Management and Budget to identify each element of its high-performance computing activities which contributes directly to the Program Component Areas or benefits from the Program.

Repeals requirements under the Act for the National Research and Education Network and the Next Generation Internet.

Modifies provisions regarding responsibilities of the National Science Foundation, the National Aeronautics and Space Administration, the Secretary of Energy, the National Institute of Standards and Technology, the National Oceanic and Atmospheric Administration, and the Environmental Protection Agency.

Actions Timeline

- **Jul 8, 2004:** Received in the Senate and Read twice and referred to the Committee on Commerce, Science, and Transportation.
- **Jul 7, 2004:** Mrs. Biggert moved to suspend the rules and pass the bill, as amended.
- **Jul 7, 2004:** Considered under suspension of the rules. (consideration: CR H5203-5207)
- **Jul 7, 2004:** DEBATE - The House proceeded with forty minutes of debate on H.R. 4218.
- **Jul 7, 2004:** Passed/agreed to in House: On motion to suspend the rules and pass the bill, as amended Agreed to by voice vote.(text: CR H5203-5205)
- **Jul 7, 2004:** On motion to suspend the rules and pass the bill, as amended Agreed to by voice vote. (text: CR H5203-5205)
- **Jul 7, 2004:** Motion to reconsider laid on the table Agreed to without objection.
- **Jul 1, 2004:** Reported by the Committee on Science. H. Rept. 108-580.
- **Jul 1, 2004:** Reported by the Committee on Science. H. Rept. 108-580.
- **Jul 1, 2004:** Placed on the Union Calendar, Calendar No. 344.
- **Jun 25, 2004:** Mr. Boehlert asked unanimous consent that the Committee on Science, Space and Technology have until 4:00 p.m. on July 2 to file a report on H.R. 4218. Agreed to without objection.
- **Jun 16, 2004:** Committee Consideration and Mark-up Session Held.
- **Jun 16, 2004:** Ordered to be Reported by Voice Vote.
- **Jun 4, 2004:** Sponsor introductory remarks on measure. (CR E1052)
- **May 13, 2004:** Committee Hearings Held.
- **Apr 27, 2004:** Introduced in House
- **Apr 27, 2004:** Introduced in House
- **Apr 27, 2004:** Sponsor introductory remarks on measure. (CR H2381-2382)
- **Apr 27, 2004:** Referred to the House Committee on Science.