

(3) Codesign and application development**(A) In general**

The Secretary shall—

(i) carry out the Program through an integration of applications, computer science, applied mathematics, and computer hardware architecture using the partnerships established pursuant to paragraph (2) to ensure that, to the maximum extent practicable, two or more exascale computing machine architectures are capable of solving Department target applications and broader scientific problems, including predictive modeling and simulation and large scale data analytics and management; and

(ii) conduct outreach programs to increase the readiness for the use of such platforms by domestic industries, including manufacturers.

(B) Report

The Secretary shall submit to Congress a report describing—

(i) how the integration under subparagraph (A) is furthering application science data and computational workloads across application interests, including national security, material science, physical science, cybersecurity, biological science, the Materials Genome and BRAIN Initiatives of the President, advanced manufacturing, and the national electric grid; and

(ii) the roles and responsibilities of National Laboratories and industry, including the definition of the roles and responsibilities within the Department to ensure an integrated program across the Department.

(4) Project review**(A) In general**

The exascale architectures developed pursuant to partnerships established pursuant to paragraph (2) shall be reviewed through a project review process.

(B) Report

Not later than 90 days after September 28, 2018, the Secretary shall submit to Congress a report on—

(i) the results of the review conducted under subparagraph (A); and

(ii) the coordination and management of the Program to ensure an integrated research program across the Department.

(5) Annual reports

At the time of the budget submission of the Department for each fiscal year, the Secretary, in consultation with the members of the partnerships established pursuant to paragraph (2), shall submit to Congress a report that describes funding for the Program as a whole by functional element of the Department and critical milestones.

(Pub. L. 108–423, § 3, Nov. 30, 2004, 118 Stat. 2400; Pub. L. 115–246, title III, § 304(a)(3), Sept. 28, 2018, 132 Stat. 3145.)

REFERENCES IN TEXT

This subchapter, referred to in subsec. (c)(1), was in the original “this Act”, meaning Pub. L. 108–423, Nov.

30, 2004, 118 Stat. 2400, which is classified principally to this subchapter. For complete classification of this Act to the Code, see Short Title note set out under section 5501 of this title and Tables.

CODIFICATION

This section was enacted as part of the American Super Computing Leadership Act of 2017 which comprises this subchapter, and not as part of the High-Performance Computing Act of 1991 which comprises this chapter.

AMENDMENTS

2018—Subsec. (a)(1). Pub. L. 115–246, § 304(a)(3)(A), substituted “coordinated program across the Department” for “program”.

Subsec. (b)(2). Pub. L. 115–246, § 304(a)(3)(B), struck out “, which may include vector, reconfigurable logic, streaming, processor-in-memory, and multithreading architectures” before semicolon at end.

Subsec. (d). Pub. L. 115–246, § 304(a)(3)(C), added subsec. (d) and struck out former subsec. (d) which related to the establishment of a High-End Software Development Center.

§ 5543. Repealed. Pub. L. 114–329, title I, § 105(u), Jan. 6, 2017, 130 Stat. 2985

Section, Pub. L. 108–423, § 4, Nov. 30, 2004, 118 Stat. 2402, authorized appropriations for fiscal years 2005 to 2007.

CHAPTER 82—LAND REMOTE SENSING POLICY**§ 5601. Transferred**

CODIFICATION

Section, Pub. L. 102–555, § 2, Oct. 28, 1992, 106 Stat. 4163, which related to findings, was transferred and is set out as a note under section 60101 of Title 51, National and Commercial Space Programs.

§ 5602. Repealed. Pub. L. 111–314, § 6, Dec. 18, 2010, 124 Stat. 3444

Section, Pub. L. 102–555, § 3, Oct. 28, 1992, 106 Stat. 4164, provided definitions for this chapter. See section 60101 of Title 51, National and Commercial Space Programs.

SUBCHAPTER I—LANDSAT

§§ 5611 to 5615. Repealed. Pub. L. 111–314, § 6, Dec. 18, 2010, 124 Stat. 3444

Section 5611, Pub. L. 102–555, title I, § 101, Oct. 28, 1992, 106 Stat. 4166, related to management of the Landsat Program. See section 60111 of Title 51, National and Commercial Space Programs.

Section 5612, Pub. L. 102–555, title I, § 102, Oct. 28, 1992, 106 Stat. 4168, related to procurement of Landsat 7.

Section 5613, Pub. L. 102–555, title I, § 103, Oct. 28, 1992, 106 Stat. 4168, related to data policy for Landsat 4 through 6.

Section 5614, Pub. L. 102–555, title I, § 104, Oct. 28, 1992, 106 Stat. 4170, related to transfer of Landsat 6 program responsibilities. See section 60112 of Title 51.

Section 5615, Pub. L. 102–555, title I, § 105, Oct. 28, 1992, 106 Stat. 4170, related to data policy for Landsat 7. See section 60113 of Title 51.

SUBCHAPTER II—LICENSING OF PRIVATE REMOTE SENSING SPACE SYSTEMS**§§ 5621 to 5625. Repealed. Pub. L. 111–314, § 6, Dec. 18, 2010, 124 Stat. 3444**

Section 5621, Pub. L. 102–555, title II, § 201, Oct. 28, 1992, 106 Stat. 4171; Pub. L. 105–303, title I, § 107(f)(1),