Department under subparagraph (A) through a competitive, peer-review process.

(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(b)(3), formerly §304(a)(3), Sept. 28, 2018, 132 Stat. 3145, renum-

bered §304(b)(3), Pub. L. 117–167, div. B, title I, §10104(a)(1), Aug. 9, 2022, 136 Stat. 1433.)

§ 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.

§ 5544. Transferred

CHAPTER 82—LAND REMOTE SENSING POLICY

§ 5601. Transferred

§ 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.

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§§ 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