

HISTORICAL AND REVISION NOTES

Revised Section	Source (U.S. Code)	Source (Statutes at Large)
60301 .....	42 U.S.C. 16671.	Pub. L. 109-155, title III, §311, Dec. 30, 2005, 119 Stat. 2920.

§ 60302. General responsibilities

The Administrator shall—

(1) develop a sustained relationship with the United States commercial remote sensing industry and, consistent with applicable policies and law, to the maximum practicable, rely on their services; and

(2) in conjunction with United States industry and universities, research, develop, and demonstrate prototype Earth science applications to enhance Federal, State, local, and tribal governments' use of government and commercial remote sensing data, technologies, and other sources of geospatial information for improved decision support to address their needs.

(Pub. L. 111-314, §3, Dec. 18, 2010, 124 Stat. 3423.)

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60302 .....	42 U.S.C. 16672.	Pub. L. 109-155, title III, §312, Dec. 30, 2005, 119 Stat. 2920.

§ 60303. Pilot projects to encourage public sector applications

(a) IN GENERAL.—The Administrator shall establish a program of grants for competitively awarded pilot projects to explore the integrated use of sources of remote sensing and other geospatial information to address State, local, regional, and tribal agency needs.

(b) PREFERRED PROJECTS.—In awarding grants under this section, the Administrator shall give preference to projects that—

(1) make use of commercial data sets, including high resolution commercial satellite imagery and derived satellite data products, existing public data sets where commercial data sets are not available or applicable, or the fusion of such data sets;

(2) integrate multiple sources of geospatial information, such as geographic information system data, satellite-provided positioning data, and remotely sensed data, in innovative ways;

(3) include funds or in-kind contributions from non-Federal sources;

(4) involve the participation of commercial entities that process raw or lightly processed data, often merging that data with other geospatial information, to create data products that have significant value added to the original data; and

(5) taken together demonstrate as diverse a set of public sector applications as possible.

(c) OPPORTUNITIES.—In carrying out this section, the Administrator shall seek opportunities to assist—

(1) in the development of commercial applications potentially available from the remote sensing industry; and

(2) State, local, regional, and tribal agencies in applying remote sensing and other geospatial information technologies for growth management.

(d) DURATION.—Assistance for a pilot project under subsection (a) shall be provided for a period not to exceed 3 years.

(e) REPORT.—Each recipient of a grant under subsection (a) shall transmit a report to the Administrator on the results of the pilot project within 180 days of the completion of that project.

(f) WORKSHOP.—Each recipient of a grant under subsection (a) shall, not later than 180 days after the completion of the pilot project, conduct at least one workshop for potential users to disseminate the lessons learned from the pilot project as widely as feasible.

(g) REGULATIONS.—The Administrator shall issue regulations establishing application, selection, and implementation procedures for pilot projects, and guidelines for reports and workshops required by this section.

(Pub. L. 111-314, §3, Dec. 18, 2010, 124 Stat. 3423.)

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Revised Section	Source (U.S. Code)	Source (Statutes at Large)
60303 .....	42 U.S.C. 16673.	Pub. L. 109-155, title III, §313, Dec. 30, 2005, 119 Stat. 2921.

§ 60304. Program evaluation

(a) ADVISORY COMMITTEE.—The Administrator shall establish an advisory committee, consisting of individuals with appropriate expertise in State, local, regional, and tribal agencies, the university research community, and the remote sensing and other geospatial information industries, to monitor the program established under section 60303 of this title. The advisory committee shall consult with the Federal Geographic Data Committee and other appropriate industry representatives and organizations. Notwithstanding section 1013 of title 5, the advisory committee established under this subsection shall remain in effect until the termination of the program under section 60303 of this title.

(b) EFFECTIVENESS EVALUATION.—Not later than December 31, 2009, the Administrator shall transmit to Congress an evaluation of the effectiveness of the program established under section 60303 of this title in exploring and promoting the integrated use of sources of remote sensing and other geospatial information to address State, local, regional, and tribal agency needs. Such evaluation shall have been conducted by an independent entity.

(Pub. L. 111-314, §3, Dec. 18, 2010, 124 Stat. 3424; Pub. L. 117-286, §4(a)(326), Dec. 27, 2022, 136 Stat. 4341.)

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Revised Section	Source (U.S. Code)	Source (Statutes at Large)
60304 .....	42 U.S.C. 16674.	Pub. L. 109-155, title III, §314, Dec. 30, 2005, 119 Stat. 2921.

Editorial Notes

AMENDMENTS

2022—Subsec. (a). Pub. L. 117-286 substituted “section 1013 of title 5,” for “section 14 of the Federal Advisory Committee Act (5 App. U.S.C.),”.

§ 60305. Data availability

The Administrator shall ensure that the results of each of the pilot projects completed under section 60303 of this title shall be retrievable through an electronic, internet-accessible database.

(Pub. L. 111-314, § 3, Dec. 18, 2010, 124 Stat. 3424.)

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Table with 3 columns: Revised Section, Source (U.S. Code), Source (Statutes at Large). Row 1: 60305, 42 U.S.C. 16675, Pub. L. 109-155, title III, § 315, Dec. 30, 2005, 119 Stat. 2922.

§ 60306. Education

The Administrator shall establish an educational outreach program to increase awareness at institutions of higher education and State, local, regional, and tribal agencies of the potential applications of remote sensing and other geospatial information and awareness of the need for geospatial workforce development.

(Pub. L. 111-314, § 3, Dec. 18, 2010, 124 Stat. 3424.)

HISTORICAL AND REVISION NOTES

Table with 3 columns: Revised Section, Source (U.S. Code), Source (Statutes at Large). Row 1: 60306, 42 U.S.C. 16676, Pub. L. 109-155, title III, § 316, Dec. 30, 2005, 119 Stat. 2922.

CHAPTER 605—EARTH SCIENCE

- Sec. 60501. Goal. 60502. Transitioning experimental research into operational services. 60503. Reauthorization of Glory Mission. 60504. Tornadoes and other severe storms. 60505. Coordination with the National Oceanic and Atmospheric Administration. 60506. Sharing of climate related data.

§ 60501. Goal

The goal for the Administration’s Earth Science program shall be to pursue a program of Earth observations, research, and applications activities to better understand the Earth, how it supports life, and how human activities affect its ability to do so in the future. In pursuit of this goal, the Administration’s Earth Science program shall ensure that securing practical benefits for society will be an important measure of its success in addition to securing new knowledge about the Earth system and climate change. In further pursuit of this goal, the Administration shall, together with the National Oceanic and Atmospheric Administration and other relevant agencies, provide United States leadership in developing and carrying out a cooperative international Earth observations-based research program.

(Pub. L. 111-314, § 3, Dec. 18, 2010, 124 Stat. 3425.)

HISTORICAL AND REVISION NOTES

Table with 3 columns: Revised Section, Source (U.S. Code), Source (Statutes at Large). Row 1: 60501, 42 U.S.C. 17711, Pub. L. 110-422, title II, § 201, Oct. 15, 2008, 122 Stat. 4784.

Statutory Notes and Related Subsidiaries

EARTH SCIENCE MISSIONS AND PROGRAMS

Pub. L. 117-167, div. B, title VII, § 10824, Aug. 9, 2022, 136 Stat. 1742, provided that:

“(a) SENSE OF CONGRESS.—It is the sense of Congress that—

“(1) the Earth science and applications program of the [National Aeronautics and Space] Administration provides increasingly valuable data for natural resource management, agriculture, forestry, food security, air quality monitoring, and many other application areas; and

“(2) a robust and balanced Earth science and applications program contributes significantly to—

“(A) the scientific discovery and economic growth of the United States; and

“(B) supporting the health and safety of the people of the United States and the citizens of the world.

“(b) REAFFIRMATION.—Congress reaffirms the goal for the Administration’s Earth science and applications program set forth in section 60501 of title 51, United States Code, which states: ‘The goal for the Administration’s Earth Science program shall be to pursue a program of Earth observations, research, and applications activities to better understand the Earth, how it supports life, and how human activities affect its ability to do so in the future. In pursuit of this goal, the Administration’s Earth Science program shall ensure that securing practical benefits for society will be an important measure of its success in addition to securing new knowledge about the Earth system and climate change. In further pursuit of this goal, the Administration shall, together with the National Oceanic and Atmospheric Administration and other relevant agencies, provide United States leadership in developing and carrying out a cooperative international Earth observations-based research program.’[sic]

“(c) EARTH SCIENCE MISSIONS AND PROGRAMS.—With respect to the missions and programs of the Earth Science Division, the Administrator [of the National Aeronautics and Space Administration] shall, to the maximum extent practicable, follow the recommendations and guidance provided by the scientific community through the decadal survey for Earth science and applications from space of the National Academies of Sciences, Engineering, and Medicine, including—

“(1) the science priorities described in such survey;

“(2) the execution of the series of existing or previously planned observations (commonly known as the ‘program of record’); and

“(3) the development of a range of missions of all classes, including opportunities for principal investigator-led, competitively selected missions.

“(d) EARTH SYSTEM OBSERVATORY.—The Administrator shall pursue an Earth System Observatory, which shall consist of an array of new and complementary Earth-observing scientific satellites, instruments, and missions—

“(1) to address the recommendations of the 2018 Earth science and applications decadal survey of the National Academies of Sciences, Engineering, and Medicine entitled ‘Thriving on our Changing Planet’, including by conducting priority observations in—

“(A) aerosols;

“(B) cloud convection and precipitation;

“(C) mass change;

“(D) surface biology and geology;

“(E) surface deformation and change; and

“(F) other observation areas designated as high-priority by such decadal survey; and