

**Editorial Notes**

REFERENCES IN TEXT

Section 40119 of this title, referred to in subsecs. (a)(1)(A), (2) and (e)(1), was repealed by Pub. L. 115-254, div. K, title I, §1991(c)(3), Oct. 5, 2018, 132 Stat. 3627.

AMENDMENTS

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

2018—Subsec. (a)(1)(A). Pub. L. 115-254, §712(a), amended subpar. (A) generally. Prior to amendment, subpar. (A) read as follows: “provide advice and recommendations to the Administrator of the Federal Aviation Administration about needs, objectives, plans, approaches, content, and accomplishments of the aviation research program carried out under sections 40119, 44504, 44505, 44507, 44511-44513, and 44912 of this title;”.

Subsec. (f). Pub. L. 115-254, §712(b), added subsec. (f). 1996—Subsec. (a)(1)(D). Pub. L. 104-264 added subpar. (D).

**Statutory Notes and Related Subsidiaries**

EFFECTIVE DATE OF 1996 AMENDMENT

Except as otherwise specifically provided, amendment by Pub. L. 104-264 applicable only to fiscal years beginning after Sept. 30, 1996, and not to be construed as affecting funds made available for a fiscal year ending before Oct. 1, 1996, see section 3 of Pub. L. 104-264, set out as a note under section 106 of this title.

**§ 44509. Demonstration projects**

The Secretary of Transportation may carry out under this chapter demonstration projects that the Secretary considers necessary for research and development activities under this chapter.

(Pub. L. 103-272, §1(e), July 5, 1994, 108 Stat. 1181.)

HISTORICAL AND REVISION NOTES

<i>Revised Section</i>	<i>Source (U.S. Code)</i>	<i>Source (Statutes at Large)</i>
44509 .....	49 App.:2205(b)(1).	Sept. 3, 1982, Pub. L. 97-248, §506(b)(1), 96 Stat. 678; re-stated Dec. 30, 1987, Pub. L. 100-223, §105(b)(1), 101 Stat. 1490.

**§ 44510. Airway science curriculum grants**

(a) GENERAL AUTHORITY.—The Administrator of the Federal Aviation Administration may make competitive grant agreements with institutions of higher education having airway science curricula for the United States Government’s share of the allowable direct costs of the following categories of items to the extent that the items are in support of airway science curricula:

- (1) the construction, purchase, or lease with an option to purchase, of buildings and associated facilities.
- (2) instructional material and equipment.

(b) COST GUIDELINES.—The Administrator shall establish guidelines to determine the direct costs allowable under a grant to be made under this section. The Government’s share of the allowable cost of a project assisted by a grant under this section may not be more than 65 percent.

(Pub. L. 103-272, §1(e), July 5, 1994, 108 Stat. 1181.)

HISTORICAL AND REVISION NOTES

<i>Revised Section</i>	<i>Source (U.S. Code)</i>	<i>Source (Statutes at Large)</i>
44510(a) .....	49 App.:1354a (1st sentence).	Nov. 5, 1990, Pub. L. 101-516, (1st sentence last proviso, 3d, last sentences in par. under heading “Facilities and Equipment”), 104 Stat. 2160. Oct. 28, 1991, Pub. L. 102-143, (1st sentence last proviso, 3d, last sentences in par. under heading “Facilities and Equipment”), 105 Stat. 922. Oct. 6, 1992, Pub. L. 102-388, (1st sentence last proviso, 3d, last sentences in par. under heading “Facilities and Equipment”), 106 Stat. 1525.
44510(b) .....	49 App.:1354a (3d, last sentences).	

In subsection (a), before clause (1), the words “With appropriations made for the Airway Science Program, as authorized below in this section” are omitted as unnecessary because of section 48106 of the revised title. In subsection (b), the proviso is omitted as executed.

**§ 44511. Aviation research grants**

(a) GENERAL AUTHORITY.—The Administrator of the Federal Aviation Administration may make grants to institutions of higher education and nonprofit research organizations to conduct aviation research in areas the Administrator considers necessary for the long-term growth of civil aviation.

(b) APPLICATIONS.—An institution of higher education or nonprofit research organization interested in receiving a grant under this section may submit an application to the Administrator. The application must be in the form and contain the information the Administrator requires.

(c) SOLICITATION, REVIEW, AND EVALUATION PROCESS.—The Administrator shall establish a solicitation, review, and evaluation process that ensures—

- (1) providing grants under this section for proposals having adequate merit and relevancy to the mission of the Administration;
- (2) a fair geographical distribution of grants under this section; and
- (3) the inclusion of historically black institutions of higher education and other minority nonprofit research organizations for grant consideration under this section.

(d) RECORDS.—Each person receiving a grant under this section shall maintain records that the Administrator requires as being necessary to facilitate an effective audit and evaluation of the use of money provided under the grant.

(e) ANNUAL REPORT.—The Administrator shall submit an annual report to the Committee on Science of the House of Representatives and the Committee on Commerce, Science, and Transportation of the Senate on carrying out this section.

(f) AIRPORT COOPERATIVE RESEARCH PROGRAM.—

- (1) ESTABLISHMENT.—The Secretary of Transportation shall maintain an airport cooperative research program to—
  - (A) identify problems that are shared by airport operating agencies and can be solved through applied research but that are not

being adequately addressed by existing Federal research programs; and

(B) fund research to address those problems.

(2) GOVERNANCE.—The Secretary of Transportation shall appoint an independent governing board for the research program established under this subsection. The governing board shall be appointed from candidates nominated by national associations representing public airport operating agencies, airport executives, State aviation officials, and the scheduled airlines, and shall include representatives of appropriate Federal agencies. Section 1013 of title 5 shall not apply to the governing board.

(3) IMPLEMENTATION.—The Secretary of Transportation shall enter into an arrangement with the National Academy of Sciences to provide staff support to the governing board established under paragraph (2) and to carry out projects proposed by the governing board that the Secretary considers appropriate.

(4) REPORT.—Not later than September 30, 2012, the Secretary shall transmit to the Congress a report on the program.

(Pub. L. 103–272, §1(e), July 5, 1994, 108 Stat. 1181; Pub. L. 104–287, §5(74), Oct. 11, 1996, 110 Stat. 3396; Pub. L. 108–176, title VII, §712, Dec. 12, 2003, 117 Stat. 2586; Pub. L. 112–95, title IX, §906, Feb. 14, 2012, 126 Stat. 139; Pub. L. 117–286, §4(a)(314), Dec. 27, 2022, 136 Stat. 4340.)

HISTORICAL AND REVISION NOTES

Revised Section	Source (U.S. Code)	Source (Statutes at Large)
44511 .....	49 App.:1353(g).	Aug. 23, 1958, Pub. L. 85–726, 72 Stat. 731, §312(g); added Nov. 5, 1990, Pub. L. 101–508, §9205(a), 104 Stat. 1388–373.

In this section, the words “institutions of higher education” and “institution of higher education” are substituted for “colleges, universities”, “university, college”, and “colleges and universities” for consistency in the revised title.

In subsection (c), the words “providing grants” are substituted for “the funding”, the word “grants” is substituted for “grant funds”, and the words “grant consideration” are substituted for “funding consideration”, for consistency in the revised title.

In subsection (d), the words “money provided under the grant” are substituted for “grant funds” for consistency.

Editorial Notes

AMENDMENTS

2022—Subsec. (f)(2). Pub. L. 117–286 substituted “Section 1013 of title 5” for “Section 14 of the Federal Advisory Committee Act”.

2012—Subsec. (f)(1). Pub. L. 112–95, §906(1), substituted “maintain an” for “establish a 4-year pilot” in introductory provisions.

Subsec. (f)(4). Pub. L. 112–95, §906(2), substituted “Not later than September 30, 2012,” for “Not later than 6 months after the expiration of the program under this subsection,” and “program” for “program, including recommendations as to the need for establishing a permanent airport cooperative research program”.

2003—Subsec. (f). Pub. L. 108–176 added subsec. (f).

1996—Subsec. (e). Pub. L. 104–287 substituted “Committee on Science” for “Committee on Science, Space, and Technology”.

Statutory Notes and Related Subsidiaries

CHANGE OF NAME

Committee on Science of House of Representatives changed to Committee on Science and Technology of House of Representatives by House Resolution No. 6, One Hundred Tenth Congress, Jan. 5, 2007. Committee on Science and Technology of House of Representatives changed to Committee on Science, Space, and Technology of House of Representatives by House Resolution No. 5, One Hundred Twelfth Congress, Jan. 5, 2011.

EFFECTIVE DATE OF 2003 AMENDMENT

Amendment by Pub. L. 108–176 applicable only to fiscal years beginning after Sept. 30, 2003, except as otherwise specifically provided, see section 3 of Pub. L. 108–176, set out as a note under section 106 of this title.

§ 44512. Catastrophic failure prevention research grants

(a) GENERAL AUTHORITY.—The Administrator of the Federal Aviation Administration may make grants to institutions of higher education and nonprofit research organizations—

(1) to conduct aviation research related to the development of technologies and methods to assess the risk of, and prevent, defects, failures, and malfunctions of products, parts, processes, and articles manufactured for use in aircraft, aircraft engines, propellers, and appliances that could result in a catastrophic failure of an aircraft; and

(2) to establish centers of excellence for continuing the research.

(b) SOLICITATION, APPLICATION, REVIEW, AND EVALUATION PROCESS.—The Administrator shall establish a solicitation, application, review, and evaluation process that ensures providing grants under this section for proposals having adequate merit and relevancy to the research described in subsection (a) of this section.

(Pub. L. 103–272, §1(e), July 5, 1994, 108 Stat. 1182.)

HISTORICAL AND REVISION NOTES

Revised Section	Source (U.S. Code)	Source (Statutes at Large)
44512 .....	49 App.:1353(h).	Aug. 23, 1958, Pub. L. 85–726, 72 Stat. 731, §312(h); added Nov. 5, 1990, Pub. L. 101–508, §9208(b), 104 Stat. 1388–376.

In this section, the words “institutions of higher education” are substituted for “colleges, universities” for consistency in the revised title.

In subsection (b), the words “providing grants” are substituted for “the funding” for consistency in the revised title.

§ 44513. Regional centers of air transportation excellence

(a) GENERAL AUTHORITY.—The Administrator of the Federal Aviation Administration may make grants to institutions of higher education to establish and operate regional centers of air transportation excellence. The locations shall be distributed in a geographically fair way.

(b) RESPONSIBILITIES.—(1) The responsibilities of each center established under this section shall include—

(A) conducting research on—

(i) airspace and airport planning and design;