

“(7) acceleration of research, development, testing, and evaluation of aircraft hardening materials, and techniques to reduce the vulnerability of aircraft to terrorist attack.

“(b) GRANTS.—Grants awarded under this subtitle [probably should be “this section”] shall identify potential outcomes of the research, and propose a method for quantitatively assessing effective increases in security upon completion of the research program. At the conclusion of each grant, the grant recipient shall submit a final report to the Transportation Security Administration that shall include sufficient information to permit the Under Secretary of Transportation for Security [now Administrator of the Transportation Security Administration] to prepare a cost-benefit analysis of potential improvements to airport security based upon deployment of the proposed technology. The Under Secretary shall begin awarding grants under this subtitle within 90 days of the date of enactment of this Act [Nov. 19, 2001].

“(c) BUDGET SUBMISSION.—A budget submission and detailed strategy for deploying the identified security upgrades recommended upon completion of the grants awarded under subsection (b), shall be submitted to Congress as part of the Department of Transportation’s annual budget submission.

“(d) DEFENSE RESEARCH.—There is authorized to be appropriated \$20,000,000 to the Transportation Security Administration to issue research grants in conjunction with the Defense Advanced Research Projects Agency. Grants may be awarded under this section for—

“(1) research and development of longer-term improvements to airport security, including advanced weapons detection;

“(2) secure networking and sharing of threat information between Federal agencies, law enforcement entities, and other appropriate parties;

“(3) advances in biometrics for identification and threat assessment; or

“(4) other technologies for preventing acts of terrorism in aviation.”

[For definitions of terms used in section 137 of Pub. L. 107-71, set out above, see section 133 of Pub. L. 107-71, set out as a note under section 40102 of this title.]

TERMINATION OF ADVISORY PANELS

Advisory panels established after Jan. 5, 1973, to terminate not later than expiration of 2-year period beginning on the date of their establishment, unless, in the case of a panel established by the President or an officer of the Federal Government, such panel is renewed by appropriate action prior to expiration of such 2-year period, or in the case of a panel established by Congress, its duration is otherwise provided for by law. See sections 1001(2) and 1013 of Title 5, Government Organization and Employees.

§ 44913. Explosive detection

(a) DEPLOYMENT AND PURCHASE OF EQUIPMENT.—(1) A deployment or purchase of explosive detection equipment under section 108.7(b)(8) or 108.20 of title 14, Code of Federal Regulations, or similar regulation is required only if the Administrator of the Transportation Security Administration (referred to in this section as “the Administrator”) certifies that the equipment alone, or as part of an integrated system, can detect under realistic air carrier operating conditions the amounts, configurations, and types of explosive material that would likely be used to cause catastrophic damage to commercial aircraft. The Administrator shall base the certification on the results of tests conducted under protocols developed in consultation with expert scientists outside of the Transportation Security Administration. Those tests shall be completed not later than April 16, 1992.

(2) Until such time as the Administrator determines that equipment certified under paragraph (1) is commercially available and has successfully completed operational testing as provided in paragraph (1), the Administrator shall facilitate the deployment of such approved commercially available explosive detection devices as the Administrator determines will enhance aviation security significantly. The Administrator shall require that equipment deployed under this paragraph be replaced by equipment certified under paragraph (1) when equipment certified under paragraph (1) becomes commercially available. The Administrator is authorized, based on operational considerations at individual airports, to waive the required installation of commercially available equipment under paragraph (1) in the interests of aviation security. The Administrator may permit the requirements of this paragraph to be met at airports by the deployment of dogs or other appropriate animals to supplement equipment for screening passengers, baggage, mail, or cargo for explosives or weapons.

(3) This subsection does not prohibit the Administrator from purchasing or deploying explosive detection equipment described in paragraph (1) of this subsection.

(b) GRANTS.—The Administrator may provide grants to continue the Explosive Detection K-9 Team Training Program to detect explosives at airports and on aircraft.

(Pub. L. 103-272, §1(e), July 5, 1994, 108 Stat. 1214; Pub. L. 104-264, title III, §305(a), Oct. 9, 1996, 110 Stat. 3252; Pub. L. 104-287, §5(9), Oct. 11, 1996, 110 Stat. 3389; Pub. L. 107-71, title I, §101(f)(2), (7), (9), Nov. 19, 2001, 115 Stat. 603; Pub. L. 115-254, div. K, title I, §1991(d)(11), Oct. 5, 2018, 132 Stat. 3635.)

HISTORICAL AND REVISION NOTES

Revised Section	Source (U.S. Code)	Source (Statutes at Large)
44913(a)(1) ..	49 App.:1358c(a), (b).	Aug. 23, 1958, Pub. L. 85-726, 72 Stat. 731, §320; added Nov. 16, 1990, Pub. L. 101-604, §108, 104 Stat. 3077.
44913(a)(2) ..	49 App.:1358c(c).	
44913(a)(3) ..	49 App.:1358c(d).	
44913(b)	49 App.:2225.	Sept. 3, 1982, Pub. L. 97-248, §529, 96 Stat. 699; Dec. 30, 1987, Pub. L. 100-223, §114, 101 Stat. 1505.

In subsection (a), the words “after November 16, 1990” are omitted as executed. The words “The Administrator shall base the certification on” are substituted for “based on” because of the restatement.

In subsection (b), the words “but not be limited to” are omitted as unnecessary.

Editorial Notes

AMENDMENTS

2018—Subsec. (a). Pub. L. 115-254, §1991(d)(11)(A)(iv), substituted “Administrator” for “Under Secretary” wherever appearing.

Subsec. (a)(1). Pub. L. 115-254, §1991(d)(11)(A)(i), substituted “Administrator of the Transportation Security Administration (referred to in this section as ‘the Administrator’)” for “Under Secretary of Transportation for Security”.

Subsec. (a)(2) to (4). Pub. L. 115-254, §1991(d)(11)(A)(ii), (iii), redesignated pars. (3) and (4) as (2) and (3), respectively, and struck out former par. (2) which read as fol-

lows: “Before completion of the tests described in paragraph (1) of this subsection, but not later than April 16, 1992, the Under Secretary may require deployment of explosive detection equipment described in paragraph (1) if the Under Secretary decides that deployment will enhance aviation security significantly. In making that decision, the Under Secretary shall consider factors such as the ability of the equipment alone, or as part of an integrated system, to detect under realistic air carrier operating conditions the amounts, configurations, and types of explosive material that would likely be used to cause catastrophic damage to commercial aircraft. The Under Secretary shall notify the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Transportation and Infrastructure of the House of Representatives of a deployment decision made under this paragraph.”

Subsec. (b). Pub. L. 115-254, §1991(d)(1)(B), substituted “Administrator” for “Secretary of Transportation”.

2001—Subsec. (a)(1). Pub. L. 107-71, §101(f)(9), substituted “of Transportation for Security” for “of the Federal Aviation Administration”.

Pub. L. 107-71, §101(f)(7), substituted “Under Secretary” for “Administrator” in two places.

Pub. L. 107-71, §101(f)(2), substituted “of the Transportation Security Administration” for “of the Administration” in second sentence.

Subsec. (a)(2) to (4). Pub. L. 107-71, §101(f)(7), substituted “Under Secretary” for “Administrator” wherever appearing.

1996—Subsec. (a)(2). Pub. L. 104-287 substituted “Transportation and Infrastructure” for “Public Works and Transportation”.

Subsec. (a)(3), (4). Pub. L. 104-264 added par. (3) and redesignated former par. (3) as (4).

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.

IMPROVED EXPLOSIVE DETECTION SYSTEMS

Pub. L. 108-458, title IV, §4024, Dec. 17, 2004, 118 Stat. 3724, provided that:

“(a) PLAN AND GUIDELINES.—The Assistant Secretary of Homeland Security (Transportation Security Administration) shall develop a plan and guidelines for implementing improved explosive detection system equipment.

“(b) AUTHORIZATION OF APPROPRIATIONS.—There is authorized to be appropriated to the Secretary of Homeland Security for the use of the Transportation Security Administration \$100,000,000, in addition to any amounts otherwise authorized by law, for the purpose of research and development of improved explosive detection systems for aviation security under section 44913 of title 49, United States Code.”

WEAPONS AND EXPLOSIVE DETECTION STUDY

Pub. L. 104-264, title III, §303, Oct. 9, 1996, 110 Stat. 3250, provided that:

“(a) IN GENERAL.—The Administrator of the Federal Aviation Administration shall enter into an arrangement with the Director of the National Academy of Sciences (or if the National Academy of Sciences is not available, the head of another equivalent entity) to conduct a study in accordance to this section.

“(b) PANEL OF EXPERTS.—

“(1) IN GENERAL.—In carrying out a study under this section, the Director of the National Academy of Sciences (or the head of another equivalent entity) shall establish a panel (hereinafter in this section referred to as the ‘panel’).

“(2) EXPERTISE.—Each member of the panel shall have expertise in weapons and explosive detection technology, security, air carrier and airport operations, or another appropriate area. The Director of the National Academy of Sciences (or the head of another equivalent entity) shall ensure that the panel has an appropriate number of representatives of the areas specified in the preceding sentence.

“(c) STUDY.—The panel, in consultation with the National Science and Technology Council, representatives of appropriate Federal agencies, and appropriate members of the private sector, shall—

“(1) assess the weapons and explosive detection technologies that are available at the time of the study that are capable of being effectively deployed in commercial aviation;

“(2) determine how the technologies referred to in paragraph (1) may more effectively be used for promotion and improvement of security at airport and aviation facilities and other secured areas;

“(3) assess the cost and advisability of requiring hardened cargo containers as a way to enhance aviation security and reduce the required sensitivity of bomb detection equipment; and

“(4) on the basis of the assessments and determinations made under paragraphs (1), (2), and (3), identify the most promising technologies for the improvement of the efficiency and cost-effectiveness of weapons and explosive detection.

“(d) COOPERATION.—The National Science and Technology Council shall take such actions as may be necessary to facilitate, to the maximum extent practicable and upon request of the Director of the National Academy of Sciences (or the head of another equivalent entity), the cooperation of representatives of appropriate Federal agencies, as provided for in subsection (c), in providing the panel, for the study under this section—

“(1) expertise; and

“(2) to the extent allowable by law, resources and facilities.

“(e) REPORTS.—The Director of the National Academy of Sciences (or the head of another equivalent entity) shall, pursuant to an arrangement entered into under subsection (a), submit to the Administrator such reports as the Administrator considers to be appropriate. Upon receipt of a report under this subsection, the Administrator shall submit a copy of the report to the appropriate committees of Congress.

“(f) AUTHORIZATION OF APPROPRIATIONS.—There are authorized to be appropriated for each of fiscal years 1997 through 2001 such sums as may be necessary to carry out this section.”

§ 44914. Airport construction guidelines

In consultation with the Department of Transportation, air carriers, airport authorities, and others the Administrator of the Transportation Security Administration considers appropriate, the Administrator shall develop guidelines for airport design and construction to allow for maximum security enhancement. In developing the guidelines, the Administrator shall consider the results of the assessment carried out under section 44904(a) of this title.

(Pub. L. 103-272, §1(e), July 5, 1994, 108 Stat. 1214; Pub. L. 107-71, title I, §101(f)(7), (9), Nov. 19, 2001, 115 Stat. 603; Pub. L. 115-254, div. K, title I, §1991(d)(12), Oct. 5, 2018, 132 Stat. 3635.)

HISTORICAL AND REVISION NOTES

Revised Section	Source (U.S. Code)	Source (Statutes at Large)
44914	49 App.:1357 (note). 49 App.:1432(d).	Nov. 16, 1990, Pub. L. 101-604, §106(f), 104 Stat. 3075. Aug. 23, 1958, Pub. L. 85-726, 72 Stat. 731, §612(d); added Nov. 16, 1990, Pub. L. 101-604, §110(a), 104 Stat. 3080.