

FEDERAL AVIATION ADMINISTRATION RESEARCH, ENGINEERING, AND DEVELOPMENT AUTHORIZATION ACT OF 1994¹

[Public Law 103-305]

[As Amended Through P.L. 118-63, Enacted May 16, 2024]

[Currency: This publication is a compilation of the text of Public Law 103-305. It was last amended by the public law listed in the As Amended Through note above and below at the bottom of each page of the pdf version and reflects current law through the date of the enactment of the public law listed at <https://www.govinfo.gov/app/collection/comps/>]

[Note: While this publication does not represent an official version of any Federal statute, substantial efforts have been made to ensure the accuracy of its contents. The official version of Federal law is found in the United States Statutes at Large and in the United States Code. The legal effect to be given to the Statutes at Large and the United States Code is established by statute (1 U.S.C. 112, 204).]

TITLE III—RESEARCH, ENGINEERING, AND DEVELOPMENT

SEC. 301. [49 U.S.C. 40101 note] SHORT TITLE.

This title may be cited as the “Federal Aviation Administration Research, Engineering, and Development Authorization Act of 1994”.

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SEC. 303. [49 U.S.C. 40101 note] JOINT AVIATION RESEARCH AND DEVELOPMENT PROGRAM.

(a) ESTABLISHMENT.—The Administrator, in consultation with the heads of other appropriate Federal agencies, shall jointly establish a program to conduct research on aviation technologies that enhance United States competitiveness. The program shall include—

- (1) next-generation satellite communications, including global positioning satellites;
- (2) advanced airport and airplane security;
- (3) environmentally compatible technologies, including technologies that limit or reduce noise and air pollution;
- (4) advanced aviation safety programs; and
- (5) technologies and procedures to enhance and improve airport and airway capacity.

(b) PROCEDURES FOR CONTRACTS AND GRANTS.—The Administrator and the heads of the other appropriate Federal agencies shall administer contracts and grants entered into under the pro-

¹This title was enacted as title III of the Federal Aviation Administration Authorization Act of 1994 (Public Law 103-305).

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gram established under subsection (a) in accordance with procedures developed jointly by the Administrator and the heads of the other appropriate Federal agencies. The procedures should include an integrated acquisition policy for contract and grant requirements and for technical data rights that are not an impediment to joint programs among the Federal Aviation Administration, the other Federal agencies involved, and industry.

(c) PROGRAM ELEMENTS.—The program established under subsection (a) shall include—

- (1) selected programs that jointly enhance public and private aviation technology development;
- (2) an opportunity for private contractors to be involved in such technology research and development; and
- (3) the transfer of Government-developed technologies to the private sector to promote economic strength and competitiveness.

(d) AUTHORIZATION OF APPROPRIATIONS.—Of amounts authorized to be appropriated for fiscal years 1995 and 1996 under section 48102(a) of title 49, United States Code, as amended by section 302 of this title, there are authorized to be appropriated for fiscal years 1995 and 1996, respectively, such sums as may be necessary to carry out this section.

SEC. 304. [49 U.S.C. 40101 note] AIRCRAFT CABIN AIR QUALITY RESEARCH PROGRAM.

(a) ESTABLISHMENT.—The Administrator, in consultation with the heads of other appropriate Federal agencies, shall establish a research program to determine—

- (1) what, if any, aircraft cabin air conditions, including pressure altitude systems, on flights within the United States are harmful to the health of airline passengers and crew, as indicated by physical symptoms such as headaches, nausea, fatigue, and lightheadedness; and
- (2) the risk of airline passengers and crew contracting infectious diseases during flight.

(b) CONTRACT WITH CENTER FOR DISEASE CONTROL.—In carrying out the research program established under subsection (a), the Administrator and the heads of the other appropriate Federal agencies shall contract with the Center for Disease Control and other appropriate agencies to carry out any studies necessary to meet the goals of the program set forth in subsection (c).

(c) GOALS.—The goals of the research program established under subsection (a) shall be—

- (1) to determine what, if any, cabin air conditions currently exist on domestic aircraft used for flights within the United States that could be harmful to the health of airline passengers and crew, as indicated by physical symptoms such as headaches, nausea, fatigue, and lightheadedness, and including the risk of infection by bacteria and viruses;
- (2) to determine to what extent, changes in, cabin air pressure, temperature, rate of cabin air circulation, the quantity of fresh air per occupant, and humidity on current domestic aircraft would reduce or eliminate the risk of illness or discomfort to airline passengers and crew; and

(3) to establish a long-term research program to examine potential health problems to airline passengers and crew that may arise in an airplane cabin on a flight within the United States because of cabin air quality as a result of the conditions and changes described in paragraphs (1) and (2).

(d) PARTICIPATION.—In carrying out the research program established under subsection (a), the Administrator shall encourage participation in the program by representatives of aircraft manufacturers, air carriers, aviation employee organizations, airline passengers, and academia.

(e) REPORT.—(1) Within six months after the date of enactment of this Act, the Administrator shall submit to the Congress a plan for implementation of the research program established under subsection (a).

(2) The Administrator shall annually submit to the Congress a report on the progress made during the year for which the report is submitted toward meeting the goals set forth in subsection (c).

(f) AUTHORIZATION OF APPROPRIATIONS.—Of amounts authorized to be appropriated for fiscal years 1995 and 1996 under section 48102(a) of title 49, United States Code, as amended by section 302 of this title, there are authorized to be appropriated for fiscal years 1995 and 1996, respectively, such sums as may be necessary to carry out this section.

SEC. 305. [49 U.S.C. 50101 note] USE OF DOMESTIC PRODUCTS.

(a) PROHIBITION AGAINST FRAUDULENT USE OF “MADE IN AMERICA” LABELS.—(1) A person shall not intentionally affix a label bearing the inscription of “Made in America”, or any inscription with that meaning, to any product sold in or shipped to the United States, if that product is not a domestic product.

(2) A person who violates paragraph (1) shall not be eligible for any contract for a procurement carried out with amounts authorized under this title, including any subcontract under such a contract pursuant to the debarment, suspension, and ineligibility procedures in subpart 9.4 of chapter 1 of title 48, Code of Federal Regulations, or any successor procedures thereto.

(b) COMPLIANCE WITH BUY AMERICAN ACT.—(1) Except as provided in paragraph (2), the head of each office within the Federal Aviation Administration that conducts procurements shall ensure that such procurements are conducted in compliance with sections 2 through 4 of the Act of March 3, 1933 (41 U.S.C. 10a through 10c, popularly known as the “Buy American Act”).

(2) This subsection shall apply only to procurements made for which—

(A) amounts are authorized by this title to be made available; and

(B) solicitations for bids are issued after the date of the enactment of this Act.

(3) The Secretary, before January 1, 1995, shall report to the Congress on procurements covered under this subsection of products that are not domestic products.

(c) DEFINITIONS.—For the purposes of this section, the term “domestic product” means a product—

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- (1) that is manufactured or produced in the United States; and
- (2) at least 50 percent of the cost of the articles, materials, or supplies of which are mined, produced, or manufactured in the United States.

SEC. 306. [49 U.S.C. 50101 note] PURCHASE OF AMERICAN MADE EQUIPMENT AND PRODUCTS.

It is the sense of Congress that any recipient of a grant under this title, or under any amendment made by this title, should purchase, when available and cost-effective, American made equipment and products when expending grant monies.

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