

103^D CONGRESS
1ST SESSION

H. R. 1229

To provide for the establishment of a joint aviation research and development program between the Federal Aviation Administration and the Department of Defense, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

MARCH 4, 1993

Mr. LEWIS of Florida (for himself, Mr. McCURDY, Mr. ROHRABACHER, Mr. ROYCE, Mr. BLUTE, Mr. CALVERT, and Mr. GRAMS) introduced the following bill; which was referred to the Committee on Science, Space, and Technology and Armed Services

A BILL

To provide for the establishment of a joint aviation research and development program between the Federal Aviation Administration and the Department of Defense, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “National Aviation
5 Research and Competitiveness Act of 1993”.

6 **SEC. 2. FINDINGS.**

7 The Congress finds that—

1 (1) for every dollar increase in shipments of
2 United States aircraft internationally, the United
3 States economy output increases by an estimated
4 \$2.30;

5 (2) for every \$1,000,000,000 of aircraft ship-
6 ments internationally, nearly 35,000 jobs are cre-
7 ated;

8 (3) many of the advanced aviation technologies
9 developed by the Federal Aviation Administration
10 and the Department of Defense have application in
11 security, safety, capacity, communications, and air
12 traffic control;

13 (4) a decrease in military aviation programs will
14 have a negative impact on civil aviation programs;

15 (5) research programs at the Federal Aviation
16 Administration have potential applications in both
17 civil and military aviation;

18 (6) joint technology development programs
19 among the Department of Defense, the Federal
20 Aviation Administration, and industry would allow
21 for transferring skills and technologies from the de-
22 fense to the civilian aviation sector and would allow
23 for the transfer back to defense, when necessary;
24 and

1 (7) such joint programs could allow for the De-
2 partment of Defense contribution to the programs to
3 be phased out over 5 years, which would allow the
4 defense industry to make the transfer to the civilian
5 aviation sector and produce needed aviation tech-
6 nology.

7 **SEC. 3. JOINT AVIATION RESEARCH AND DEVELOPMENT**
8 **PROGRAM.**

9 (a) ESTABLISHMENT.—The Administrator and the
10 Secretary shall jointly establish a program for the purpose
11 of conducting research on aviation technologies that have
12 application to both military and civil aviation vehicles and
13 airports and that enhance United States competitiveness.
14 Such program shall include research on—

15 (1) next-generation satellite communications,
16 including global positioning satellites;

17 (2) advanced airport and airplane security;

18 (3) environmentally compatible technologies, in-
19 cluding technologies that limit or reduce noise and
20 air pollution; and

21 (4) advanced aviation safety programs.

22 (b) CONTRACTS AND GRANTS.—Contracts and grants
23 entered into under the program established under sub-
24 section (a) shall be administered using procedures devel-
25 oped jointly by the Secretary and the Administrator.

1 These procedures should include an integrated acquisition
2 policy for contract and grant requirements and for tech-
3 nical data rights that are not an impediment to joint pro-
4 grams among the Department of Defense, the Federal
5 Aviation Administration, and industry.

6 **SEC. 4. JOINT AVIATION RESEARCH PLAN.**

7 (a) REQUIREMENT.—Within 180 days after the date
8 of enactment of this Act, the Administrator and the Sec-
9 retary, in consultation with the advisory committee, shall
10 prepare and transmit to Congress a national aviation re-
11 search plan setting forth the research and development
12 that the Administrator and the Secretary consider nec-
13 essary to advance aviation technologies over the 5-year pe-
14 riod beginning in fiscal year 1993.

15 (b) OBJECTIVES OF PLAN.—The objectives of the
16 plan prepared under subsection (a) shall include—

17 (1) selected programs that jointly enhance pub-
18 lic and private aviation technology development;

19 (2) an opportunity for private defense contrac-
20 tors to be involved in transition activities to the civil-
21 ian sector; and

22 (3) the transfer of Federal Government-devel-
23 oped technologies to the private sector to promote
24 economic strength and competitiveness.

1 (c) CONTENTS OF PLAN.—The plan prepared under
2 subsection (a) shall include—

3 (1) for the first year, detailed objectives and es-
4 timates of the schedule, cost, and manpower levels
5 for each research project, and a description of the
6 scope and content of each major contract or grant;

7 (2) for the second through fifth years, estimates
8 of the total cost of each major project for such year
9 and a list of all major research projects which may
10 be required to meet the objectives;

11 (3) a 5-year schedule for the decrease of Fed-
12 eral contribution and corresponding increase in pri-
13 vate sector contributions for the research and devel-
14 opment program; and

15 (4) the portion of the Federal contribution that
16 each Federal agency will contribute.

17 (d) ANNUAL UPDATE.—The plan prepared under
18 subsection (a) shall be updated annually, to reflect
19 changes in global aviation technologies and United States
20 competitiveness.

21 **SEC. 5. JOINT ADVISORY COMMITTEE.**

22 (a) ESTABLISHMENT.—Within 90 days after the date
23 of enactment of this Act, the Administrator and the Sec-
24 retary shall establish an Joint Aviation Research Advisory
25 Committee.

1 (b) PURPOSES.—The purposes of the advisory com-
2 mittee shall be—

3 (1) to provide advice and recommendations to
4 the Administrator and the Secretary regarding
5 needs, objectives, approaches, content, and accom-
6 plishments with respect to the aviation research pro-
7 gram established under section 3; and

8 (2) to advise the Administrator and the Sec-
9 retary on the preparation of the aviation research
10 plan under section 4, including annual updates
11 thereto.

12 (c) MEMBERSHIP.—The advisory committee shall be
13 composed of not more than 20 members, to be appointed
14 jointly by the Administrator and the Secretary, from
15 among persons who are not employees of the Federal Avia-
16 tion Administration or the Department of Defense and
17 who are especially qualified to serve on the advisory com-
18 mittee by virtue of their education, training, or experience.
19 In appointing members of the advisory committee, the Ad-
20 ministrator and the Secretary shall ensure that univer-
21 sities, corporations, associations, industry, and other gov-
22 ernment agencies are represented. The majority of the
23 members of the advisory committee shall be representa-
24 tives of industry.

1 (d) CHAIRPERSON.—The Administrator and the Sec-
2 retary shall designate one member of the advisory commit-
3 tee as the chairperson, who shall be qualified in both mili-
4 tary and civil aviation research, and in the applications
5 of such research.

6 (e) SUBORDINATE COMMITTEES.—The Adminis-
7 trator and the Secretary, or the advisory committee, may
8 establish subordinate committees to the advisory commit-
9 tee to provide advice and recommendations on specific
10 areas of research conducted under this Act.

11 (f) ADMINISTRATIVE AND SUPPORT SERVICES.—The
12 Administrator shall provide support staff and, on the re-
13 quest of the advisory committee, such information, admin-
14 istrative services, and supplies as the Administrator deter-
15 mines are necessary for the advisory committee to carry
16 out its purposes.

17 (g) TERMINATION.—Section 14(a)(2)(B) of the Fed-
18 eral Advisory Committee Act (5 U.S.C. App.; relating to
19 the termination of advisory committees) shall not apply
20 to the advisory committee.

21 **SEC. 6. DEFINITIONS.**

22 For purposes of this Act—

23 (1) the term “Administrator” means the Ad-
24 ministrator of the Federal Aviation Administration;

1 (2) the term “advisory committee” means the
2 Joint Aviation Research Advisory Committee estab-
3 lished under section 5; and

4 (3) the term “Secretary” means the Secretary
5 of Defense.

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