

105TH CONGRESS  
1ST SESSION

# H.R. 1271

To authorize the Federal Aviation Administration's research, engineering, and development programs for fiscal years 1998 through 2000, and for other purposes.

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## IN THE HOUSE OF REPRESENTATIVES

APRIL 10, 1997

Mrs. MORELLA introduced the following bill; which was referred to the Committee on Science

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## A BILL

To authorize the Federal Aviation Administration's research, engineering, and development programs for fiscal years 1998 through 2000, 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 "FAA Research, Engi-  
5 neering, and Development Authorization Act of 1997".

6 **SEC. 2. AUTHORIZATION OF APPROPRIATIONS.**

7 Section 48102(a) of title 49, United States Code, is  
8 amended—

1           (1) by striking “and” at the end of paragraph  
2           (1)(J);

3           (2) by striking the period at the end of para-  
4           graph (2)(J) and inserting in lieu thereof a semi-  
5           colon; and

6           (3) by adding at the end the following:

7           “(3) for fiscal year 1998, \$217,406,000, includ-  
8           ing—

9                   “(A) \$75,550,000 for system development  
10                   and infrastructure projects and activities;

11                   “(B) \$19,614,000 for capacity and air  
12                   traffic management technology projects and ac-  
13                   tivities;

14                   “(C) \$15,132,000 for communications,  
15                   navigation, and surveillance projects and activi-  
16                   ties;

17                   “(D) \$9,982,000 for weather projects and  
18                   activities;

19                   “(E) \$5,458,000 for airport technology  
20                   projects and activities;

21                   “(F) \$26,625,000 for aircraft safety tech-  
22                   nology projects and activities;

23                   “(G) \$49,895,000 for system security tech-  
24                   nology projects and activities;

1           “(H) \$10,737,000 for human factors and  
2           aviation medicine projects and activities;

3           “(I) \$3,291,000 for environment and en-  
4           ergy projects and activities; and

5           “(J) \$1,122,000 for innovative/cooperative  
6           research projects and activities;

7           “(4) for fiscal year 1999, \$224,000,000; and

8           “(5) for fiscal year 2000, \$231,000,000.”.

9   **SEC. 3. BUDGET DESIGNATION FOR RESEARCH AND DEVEL-**  
10                           **OPMENT ACTIVITIES.**

11       Section 48102 of title 49, United States Code, is  
12 amended by adding at the end the following new sub-  
13 section:

14       “(g) DESIGNATION OF ACTIVITIES.—(1) The  
15 amounts appropriated under subsection (a) are for the  
16 support of all research and development activities carried  
17 out by the Federal Aviation Administration that fall with-  
18 in the categories of basic research, applied research, and  
19 development, including the design and development of pro-  
20 totypes, in accordance with the classifications of the Office  
21 of Management and Budget Circular A–11 (Budget For-  
22 mulation/Submission Process).

23       “(2) The President’s annual budget request for the  
24 Federal Aviation Administration shall include all research  
25 and development activities within a single budget category.

1 All of the activities carried out by the Administration with-  
2 in the categories of basic research, applied research, and  
3 development, as classified by the Office of Management  
4 and Budget Circular A-11, shall be placed in this single  
5 budget category.”.

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

7 Section 44501(c)(2)(B) of title 49, United States  
8 Code, is amended—

9 (1) by striking “and” at the end of clause (iii);

10 (2) by striking the period at the end of clause  
11 (iv) and inserting in lieu thereof “; and”; and

12 (3) by adding at the end the following new  
13 clause:

14 “(v) highlight the research and development  
15 technology transfer activities that promote tech-  
16 nology sharing among government, industry, and  
17 academia through the Stevenson-Wydler Technology  
18 Innovation Act of 1980.”.

19 **SEC. 5. RESEARCH GRANTS PROGRAM INVOLVING UNDER-**  
20 **GRADUATE STUDENTS.**

21 (a) PROGRAM.—Section 48102 of title 49, United  
22 States Code, is amended by adding at the end the follow-  
23 ing new subsection:

24 “(h) RESEARCH GRANTS PROGRAM INVOLVING UN-  
25 DERGRADUATE STUDENTS.—

1           “(1) ESTABLISHMENT.—The Administrator of  
2 the Federal Aviation Administration shall establish a  
3 program for awarding grants to researchers at pri-  
4 marily undergraduate institutions who involve under-  
5 graduate students in their research on subjects of  
6 relevance to the Federal Aviation Administration.  
7 Grants may be awarded under this subsection for—

8           “(A) research projects to be carried out at  
9 primarily undergraduate institutions; or

10           “(B) research projects that combine re-  
11 search at primarily undergraduate institutions  
12 with other research supported by the Federal  
13 Aviation Administration.

14           “(2) NOTICE OF CRITERIA.—Within 6 months  
15 after the date of the enactment of the FAA Re-  
16 search, Engineering, and Development Authorization  
17 Act of 1997, the Administrator of the Federal Avia-  
18 tion Administration shall establish and publish in  
19 the Federal Register criteria for the submittal of  
20 proposals for a grant under this subsection, and for  
21 the awarding of such grants.

22           “(3) PRINCIPAL CRITERIA.—The principal cri-  
23 teria for the awarding of grants under this sub-  
24 section shall be—

1           “(A) the relevance of the proposed re-  
2           search to technical research needs identified by  
3           the Federal Aviation Administration;

4           “(B) the scientific and technical merit of  
5           the proposed research; and

6           “(C) the potential for participation by un-  
7           dergraduate students in the proposed research.

8           “(4) COMPETITIVE, MERIT-BASED EVALUA-  
9           TION.—Grants shall be awarded under this sub-  
10          section on the basis of evaluation of proposals  
11          through a competitive, merit-based process.”.

12          (b) AUTHORIZATION OF APPROPRIATIONS.—Section  
13          48102(a) of title 49, United States Code, as amended by  
14          this Act, is further amended—

15                 (1) by inserting “, of which \$500,000 shall be  
16                 for carrying out the grant program established  
17                 under subsection (h)” after “projects and activities”  
18                 in paragraph (3)(J);

19                 (2) by inserting “, of which \$500,000 shall be  
20                 for carrying out the grant program established  
21                 under subsection (h)” after “\$224,000,000” in para-  
22                 graph (4); and

23                 (3) by inserting “, of which \$500,000 shall be  
24                 for carrying out the grant program established

1 under subsection (h)” after “\$231,000,000” in para-  
2 graph (5).

3 **SEC. 6. NEXT GENERATION INTERNET.**

4 None of the funds authorized by the amendments  
5 made by this Act, or by any other Act enacted before the  
6 date of the enactment of this Act, may be used for the  
7 Next Generation Internet.

8 **SEC. 7. LIMITATIONS.**

9 (a) PROHIBITION OF LOBBYING ACTIVITIES.—None  
10 of the funds authorized by the amendments made by this  
11 Act shall be available for any activity whose purpose is  
12 to influence legislation pending before the Congress, ex-  
13 cept that this subsection shall not prevent officers or em-  
14 ployees of the United States or of its departments or agen-  
15 cies from communicating to Members of Congress on the  
16 request of any Member or to Congress, through the proper  
17 channels, requests for legislation or appropriations which  
18 they deem necessary for the efficient conduct of the public  
19 business.

20 (b) LIMITATION ON APPROPRIATIONS.—Notwith-  
21 standing any other provision of law, no sums are author-  
22 ized to be appropriated for fiscal years 1998, 1999, and  
23 2000 for the activities for which sums are authorized by  
24 the amendments made by this Act, unless such sums are

1 specifically authorized to be appropriated by the amend-  
2 ments made by this Act.

3 (c) ELIGIBILITY FOR AWARDS.—

4 (1) IN GENERAL.—The Administrator of the  
5 Federal Aviation Administration shall exclude from  
6 consideration for grant agreements made by that  
7 Administration after fiscal year 1997 any person  
8 who received funds, other than those described in  
9 paragraph (2), appropriated for a fiscal year after  
10 fiscal year 1997, under a grant agreement from any  
11 Federal funding source for a project that was not  
12 subjected to a competitive, merit-based award proc-  
13 ess. Any exclusion from consideration pursuant to  
14 this subsection shall be effective for a period of 5  
15 years after the person receives such Federal funds.

16 (2) EXCEPTION.—Paragraph (1) shall not  
17 apply to the receipt of Federal funds by a person  
18 due to the membership of that person in a class  
19 specified by law for which assistance is awarded to  
20 members of the class according to a formula pro-  
21 vided by law.

22 (3) DEFINITION.—For purposes of this sub-  
23 section, the term “grant agreement” means a legal  
24 instrument whose principal purpose is to transfer a  
25 thing of value to the recipient to carry out a public

1 purpose of support or stimulation authorized by a  
2 law of the United States, and does not include the  
3 acquisition (by purchase, lease, or barter) of prop-  
4 erty or services for the direct benefit or use of the  
5 United States Government.

6 **SEC. 8. NOTICE.**

7 (a) NOTICE OF REPROGRAMMING.—If any funds au-  
8 thorized by the amendments made by this Act are subject  
9 to a reprogramming action that requires notice to be pro-  
10 vided to the Appropriations Committees of the House of  
11 Representatives and the Senate, notice of such action shall  
12 concurrently be provided to the Committees on Science  
13 and Transportation and Infrastructure of the House of  
14 Representatives and the Committee on Commerce,  
15 Science, and Transportation of the Senate.

16 (b) NOTICE OF REORGANIZATION.—The Adminis-  
17 trator of the Federal Aviation Administration shall provide  
18 notice to the Committees on Science, Transportation and  
19 Infrastructure, and Appropriations of the House of Rep-  
20 resentatives, and the Committees on Commerce, Science,  
21 and Transportation and Appropriations of the Senate, not  
22 later than 15 days before any major reorganization of any  
23 program, project, or activity of the Federal Aviation Ad-  
24 ministration.

1 **SEC. 9. SENSE OF CONGRESS ON THE YEAR 2000 PROBLEM.**

2 With the year 2000 fast approaching, it is the sense  
3 of Congress that the Federal Aviation Administration  
4 should—

5 (1) give high priority to correcting all 2-digit  
6 date-related problems in its computer systems to en-  
7 sure that those systems continue to operate effec-  
8 tively in the year 2000 and beyond;

9 (2) assess immediately the extent of the risk to  
10 the operations of the Federal Aviation Administra-  
11 tion posed by the problems referred to in paragraph  
12 (1), and plan and budget for achieving Year 2000  
13 compliance for all of its mission-critical systems; and

14 (3) develop contingency plans for those systems  
15 that the Federal Aviation Administration is unable  
16 to correct in time.

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