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111TH CONGRESS
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H. R. 3371

[Report No. 111-284]

To amend title 49, United States Code, to improve airline safety and pilot training, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

JULY 29, 2009

Mr. COSTELLO (for himself, Mr. OBERSTAR, Mr. MICA, Mr. PETRI, Mr. CARNAHAN, Mr. COBLE, Mr. MCMAHON, Mr. DUNCAN, Mr. DEFazio, Mr. EHLERS, Mr. FILNER, Mrs. CAPITO, Mr. HOLDEN, Mr. GERLACH, Mr. CAPUANO, Mr. DENT, Mr. LIPINSKI, Mrs. SCHMIDT, Mr. HALL of New York, Mr. COHEN, Mr. ALTMIRE, Mr. SCHAUER, Ms. SLAUGHTER, Mr. LEE of New York, Mr. HIGGINS, Mr. HOLT, Mr. PASCRELL, Ms. NORTON, and Ms. HIRONO) introduced the following bill; which was referred to the Committee on Transportation and Infrastructure

OCTOBER 6, 2009

Additional sponsors: Mr. MORAN of Kansas, Mr. HIMES, and Ms. RICHARDSON

OCTOBER 6, 2009

Committed to the Committee of the Whole House on the State of the Union
and ordered to be printed

A BILL

To amend title 49, United States Code, to improve airline safety and pilot training, 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; TABLE OF CONTENTS.**

4 (a) SHORT TITLE.—This Act may be cited as the
 5 “Airline Safety and Pilot Training Improvement Act of
 6 2009”.

7 (b) TABLE OF CONTENTS.—

- Sec. 1. Short title; table of contents.
- Sec. 2. Definitions.
- Sec. 3. FAA Task Force on Air Carrier Safety and Pilot Training.
- Sec. 4. Implementation of NTSB flight crewmember training recommendations.
- Sec. 5. Secretary of Transportation responses to safety recommendations.
- Sec. 6. FAA pilot records database.
- Sec. 7. FAA rulemaking on training programs.
- Sec. 8. Aviation safety inspectors and operational research analysts.
- Sec. 9. Flight crewmember mentoring, professional development, and leader-
ship.
- Sec. 10. Flight crewmember screening and qualifications.
- Sec. 11. Flight schools, flight education, and pilot academic training.
- Sec. 12. Voluntary safety programs.
- Sec. 13. ASAP and FOQA implementation plan.
- Sec. 14. Safety management systems.
- Sec. 15. Disclosure of air carriers operating flights for tickets sold for air
transportation.
- Sec. 16. Pilot fatigue.
- Sec. 17. Flight crewmember pairing and crew resource management techniques.

8 **SEC. 2. DEFINITIONS.**

9 (a) DEFINITIONS.—In this Act, the following defini-
 10 tions apply:

11 (1) ADVANCED QUALIFICATION PROGRAM.—The
 12 term “advanced qualification program” means the
 13 program established by the Federal Aviation Admin-
 14 istration in Advisory Circular 120–54A, dated June
 15 23, 2006, including any subsequent revisions there-
 16 to.

1 (2) AIR CARRIER.—The term “air carrier” has
2 the meaning given that term in section 40102 of
3 title 49, United States Code.

4 (3) AVIATION SAFETY ACTION PROGRAM.—The
5 term “aviation safety action program” means the
6 program established by the Federal Aviation Admin-
7 istration in Advisory Circular 120–66B, dated No-
8 vember 15, 2002, including any subsequent revisions
9 thereto.

10 (4) FLIGHT CREWMEMBER.—The term “flight
11 crewmember” has the meaning given that term in
12 part 1.1 of title 14, Code of Federal Regulations.

13 (5) FLIGHT OPERATIONAL QUALITY ASSURANCE
14 PROGRAM.—The term “flight operational quality as-
15 surance program” means the program established by
16 the Federal Aviation Administration in Advisory Cir-
17 cular 120–82, dated April 12, 2004, including any
18 subsequent revisions thereto.

19 (6) LINE OPERATIONS SAFETY AUDIT.—The
20 term “line operations safety audit” means the proce-
21 dure referenced by the Federal Aviation Administra-
22 tion in Advisory Circular 120–90, dated April 27,
23 2006, including any subsequent revisions thereto.

24 (7) PART 121 AIR CARRIER.—The term “part
25 121 air carrier” means an air carrier that holds a

1 certificate issued under part 121 of title 14, Code of
2 Federal Regulations.

3 (8) PART 135 AIR CARRIER.—The term “part
4 135 air carrier” means an air carrier that holds a
5 certificate issued under part 135 of title 14, Code of
6 Federal Regulations.

7 **SEC. 3. FAA TASK FORCE ON AIR CARRIER SAFETY AND**
8 **PILOT TRAINING.**

9 (a) ESTABLISHMENT.—The Administrator of the
10 Federal Aviation Administration shall establish a special
11 task force to be known as the “FAA Task Force on Air
12 Carrier Safety and Pilot Training” (in this section re-
13 ferred to as the “Task Force”).

14 (b) COMPOSITION.—The Task Force shall consist of
15 members appointed by the Administrator and shall include
16 air carrier representatives, labor union representatives,
17 and aviation safety experts with knowledge of foreign and
18 domestic regulatory requirements for flight crewmember
19 education and training.

20 (c) DUTIES.—The duties of the Task Force shall in-
21 clude, at a minimum, evaluating best practices in the air
22 carrier industry and providing recommendations in the fol-
23 lowing areas:

24 (1) Air carrier management responsibilities for
25 flight crewmember education and support.

1 (2) Flight crewmember professional standards.

2 (3) Flight crewmember training standards and
3 performance.

4 (4) Mentoring and information sharing between
5 air carriers.

6 (d) REPORT.—Not later than 180 days after the date
7 of enactment of this Act, and before the last day of each
8 180-day period thereafter until termination of the Task
9 Force, the Task Force shall submit to the Committee on
10 Transportation and Infrastructure of the House of Rep-
11 resentatives and the Committee on Commerce, Science,
12 and Transportation of the Senate a report detailing—

13 (1) the progress of the Task Force in identi-
14 fying best practices in the air carrier industry;

15 (2) the progress of air carriers and labor unions
16 in implementing the best practices identified by the
17 Task Force;

18 (3) recommendations of the Task Force, if any,
19 for legislative or regulatory actions;

20 (4) the progress of air carriers and labor unions
21 in implementing training-related, nonregulatory ac-
22 tions recommended by the Administrator; and

23 (5) the progress of air carriers in developing
24 specific programs to share safety data and ensure

1 implementation of the most effective safety prac-
2 tices.

3 (e) TERMINATION.—The Task Force shall terminate
4 on September 30, 2012.

5 (f) APPLICABILITY OF FEDERAL ADVISORY COM-
6 MITTEE ACT.—The Federal Advisory Committee Act (5
7 U.S.C. App.) shall not apply to the Task Force.

8 **SEC. 4. IMPLEMENTATION OF NTSB FLIGHT CREWMEMBER**
9 **TRAINING RECOMMENDATIONS.**

10 (a) RULEMAKING PROCEEDINGS.—

11 (1) STALL AND UPSET RECOGNITION AND RE-
12 COVERY TRAINING.—The Administrator of the Fed-
13 eral Aviation Administration shall conduct a rule-
14 making proceeding to require part 121 air carriers
15 to provide flight crewmembers with ground training
16 and flight training—

17 (A) to recognize and avoid a stall of an
18 aircraft or, if not avoided, to recover from the
19 stall; and

20 (B) to recognize and avoid an upset of an
21 aircraft or, if not avoided, to execute such tech-
22 niques as available data indicate are appro-
23 priate to recover from the upset in a given
24 make, model, and series of aircraft.

1 (2) REMEDIAL TRAINING PROGRAMS.—The Ad-
2 ministrator shall conduct a rulemaking proceeding to
3 require part 121 air carriers to establish remedial
4 training programs for flight crewmembers who have
5 demonstrated performance deficiencies or experi-
6 enced failures in the training environment.

7 (3) DEADLINES.—The Administrator shall—

8 (A) not later than 180 days after the date
9 of enactment of this Act, issue a notice of pro-
10 posed rulemaking under each of paragraphs (1)
11 and (2); and

12 (B) not later than 24 months after the
13 date of enactment of this Act, issue a final rule
14 for the rulemaking in each of paragraphs (1)
15 and (2).

16 (b) STICK PUSHER TRAINING AND WEATHER EVENT
17 TRAINING.—

18 (1) MULTIDISCIPLINARY PANEL.—Not later
19 than 120 days after the date of enactment of this
20 Act, the Administrator shall convene a multidisci-
21 plinary panel of specialists in aircraft operations,
22 flight crewmember training, human factors, and
23 aviation safety to study and submit to the Adminis-
24 trator a report on methods to increase the famili-
25 arity of flight crewmembers with, and improve the

1 response of flight crewmembers to, stick pusher sys-
2 tems, icing conditions, and microburst and
3 windshear weather events.

4 (2) REPORT TO CONGRESS AND NTSB.—Not
5 later than one year after the date on which the Ad-
6 ministrator convenes the panel, the Administrator
7 shall—

8 (A) submit to the Committee on Transpor-
9 tation and Infrastructure of the House of Rep-
10 resentatives, the Committee on Commerce,
11 Science, and Transportation of the Senate, and
12 the National Transportation Safety Board a re-
13 port based on the findings of the panel; and

14 (B) with respect to stick pusher systems,
15 initiate appropriate actions to implement the
16 recommendations of the panel.

17 (3) STICK PUSHER DEFINED.—In this sub-
18 section, the term “stick pusher” means a device
19 that, at or near a stall, applies a nose down pitch
20 force to an aircraft’s control columns to attempt to
21 decrease the aircraft’s angle of attack.

22 **SEC. 5. SECRETARY OF TRANSPORTATION RESPONSES TO**
23 **SAFETY RECOMMENDATIONS.**

24 (a) IN GENERAL.—The first sentence of section
25 1135(a) of title 49, United States Code, is amended by

1 inserting “to the National Transportation Safety Board”
2 after “shall give”.

3 (b) AIR CARRIER SAFETY RECOMMENDATIONS.—
4 Section 1135 of such title is amended—

5 (1) by redesignating subsections (c) and (d) as
6 subsections (e) and (f), respectively; and

7 (2) by inserting after subsection (b) the fol-
8 lowing:

9 “(c) ANNUAL REPORT ON AIR CARRIER SAFETY
10 RECOMMENDATIONS.—

11 “(1) IN GENERAL.—The Secretary shall submit
12 to Congress and the Board, on an annual basis, a
13 report on the recommendations made by the Board
14 to the Secretary regarding air carrier operations
15 conducted under part 121 of title 14, Code of Fed-
16 eral Regulations.

17 “(2) RECOMMENDATIONS TO BE COVERED.—
18 The report shall cover—

19 “(A) any recommendation for which the
20 Secretary has developed, or intends to develop,
21 procedures to adopt the recommendation or
22 part of the recommendation, but has yet to
23 complete the procedures; and

24 “(B) any recommendation for which the
25 Secretary, in the preceding year, has issued a

1 response under subsection (a)(2) or (a)(3) re-
2 fusing to carry out all or part of the procedures
3 to adopt the recommendation.

4 “(3) CONTENTS.—

5 “(A) PLANS TO ADOPT RECOMMENDA-
6 TIONS.—For each recommendation of the
7 Board described in paragraph (2)(A), the report
8 shall contain—

9 “(i) a description of the recommenda-
10 tion;

11 “(ii) a description of the procedures
12 planned for adopting the recommendation
13 or part of the recommendation;

14 “(iii) the proposed date for completing
15 the procedures; and

16 “(iv) if the Secretary has not met a
17 deadline contained in a proposed timeline
18 developed in connection with the rec-
19 ommendation under subsection (b), an ex-
20 planation for not meeting the deadline.

21 “(B) REFUSALS TO ADOPT RECOMMENDA-
22 TIONS.—For each recommendation of the
23 Board described in paragraph (2)(B), the re-
24 port shall contain—

1 “(i) a description of the recommenda-
2 tion; and

3 “(ii) a description of the reasons for
4 the refusal to carry out all or part of the
5 procedures to adopt the recommendation.”.

6 **SEC. 6. FAA PILOT RECORDS DATABASE.**

7 (a) RECORDS OF EMPLOYMENT OF PILOT APPLI-
8 CANTS.—Section 44703(h) of title 49, United States Code,
9 is amended by adding at the end the following:

10 “(16) APPLICABILITY.—This subsection shall
11 cease to be effective on the date specified in regula-
12 tions issued under subsection (i).”.

13 (b) ESTABLISHMENT OF FAA PILOT RECORDS
14 DATABASE.—Section 44703 of such title is amended—

15 (1) by redesignating subsections (i) and (j) as
16 subsections (j) and (k), respectively; and

17 (2) by inserting after subsection (h) the fol-
18 lowing:

19 “(i) FAA PILOT RECORDS DATABASE.—

20 “(1) IN GENERAL.—Before allowing an indi-
21 vidual to begin service as a pilot, an air carrier shall
22 access and evaluate, in accordance with the require-
23 ments of this subsection, information pertaining to
24 the individual from the pilot records database estab-
25 lished under paragraph (2).

1 “(2) PILOT RECORDS DATABASE.—The Admin-
2 istrator shall establish an electronic database (in this
3 subsection referred to as the ‘database’) containing
4 the following records:

5 “(A) FAA RECORDS.—From the Adminis-
6 trator—

7 “(i) records that are maintained by
8 the Administrator concerning current air-
9 man certificates, including airman medical
10 certificates and associated type ratings and
11 information on any limitations to those
12 certificates and ratings;

13 “(ii) records that are maintained by
14 the Administrator concerning any failed at-
15 tempt of an individual to pass a practical
16 test required to obtain a certificate or type
17 rating under part 61 of title 14, Code of
18 Federal Regulations; and

19 “(iii) summaries of legal enforcement
20 actions resulting in a finding by the Ad-
21 ministrator of a violation of this title or a
22 regulation prescribed or order issued under
23 this title that was not subsequently over-
24 turned.

1 “(B) AIR CARRIER AND OTHER
2 RECORDS.—From any air carrier or other per-
3 son (except a branch of the Armed Forces, the
4 National Guard, or a reserve component of the
5 Armed Forces) that has employed an individual
6 as a pilot of a civil or public aircraft, or from
7 the trustee in bankruptcy for such air carrier or
8 person—

9 “(i) records pertaining to the indi-
10 vidual that are maintained by the air car-
11 rier (other than records relating to flight
12 time, duty time, or rest time) under regu-
13 lations set forth in—

14 “(I) section 121.683 of title 14,
15 Code of Federal Regulations;

16 “(II) paragraph (A) of section
17 VI, appendix I, part 121 of such title;

18 “(III) paragraph (A) of section
19 IV, appendix J, part 121 of such title;

20 “(IV) section 125.401 of such
21 title; and

22 “(V) section 135.63(a)(4) of such
23 title; and

24 “(ii) other records pertaining to the
25 individual’s performance as a pilot that are

1 maintained by the air carrier or person
2 concerning—

3 “(I) the training, qualifications,
4 proficiency, or professional com-
5 petence of the individual, including
6 comments and evaluations made by a
7 check airman designated in accord-
8 ance with section 121.411, 125.295,
9 or 135.337 of such title;

10 “(II) any disciplinary action
11 taken with respect to the individual
12 that was not subsequently overturned;
13 and

14 “(III) any release from employ-
15 ment or resignation, termination, or
16 disqualification with respect to em-
17 ployment.

18 “(C) NATIONAL DRIVER REGISTER
19 RECORDS.—In accordance with section
20 30305(b)(8) of this title, from the chief driver
21 licensing official of a State, information con-
22 cerning the motor vehicle driving record of the
23 individual.

24 “(3) WRITTEN CONSENT; RELEASE FROM LI-
25 ABILITY.—An air carrier—

1 “(A) shall obtain the written consent of an
2 individual before accessing records pertaining to
3 the individual under paragraph (1); and

4 “(B) may, notwithstanding any other pro-
5 vision of law or agreement to the contrary, re-
6 quire an individual with respect to whom the
7 carrier is accessing records under paragraph (1)
8 to execute a release from liability for any claim
9 arising from accessing the records or the use of
10 such records by the air carrier (other than a
11 claim arising from furnishing information
12 known to be false and maintained in violation
13 of a criminal statute).

14 “(4) REPORTING.—

15 “(A) REPORTING BY ADMINISTRATOR.—
16 The Administrator shall enter data described in
17 paragraph (2)(A) into the database promptly to
18 ensure that an individual’s records are current.

19 “(B) REPORTING BY AIR CARRIERS AND
20 OTHER PERSONS.—

21 “(i) IN GENERAL.—Air carriers and
22 other persons shall report data described
23 in paragraphs (2)(B) and (2)(C) to the
24 Administrator promptly for entry into the
25 database.

1 “(ii) DATA TO BE REPORTED.—Air
2 carriers and other persons shall report, at
3 a minimum, under clause (i) the following
4 data described in paragraph (2)(B):

5 “(I) Records that are generated
6 by the air carrier or other person
7 after the date of enactment of this
8 paragraph.

9 “(II) Records that the air carrier
10 or other person is maintaining, on
11 such date of enactment, pursuant to
12 subsection (h)(4).

13 “(5) REQUIREMENT TO MAINTAIN RECORDS.—
14 The Administrator—

15 “(A) shall maintain all records entered into
16 the database under paragraph (2) pertaining to
17 an individual until the date of receipt of notifi-
18 cation that the individual is deceased; and

19 “(B) may remove the individual’s records
20 from the database after that date.

21 “(6) RECEIPT OF CONSENT.—The Adminis-
22 trator shall not permit an air carrier to access
23 records pertaining to an individual from the data-
24 base under paragraph (1) without the air carrier
25 first demonstrating to the satisfaction of the Admin-

1 istrator that the air carrier has obtained the written
2 consent of the individual.

3 “(7) RIGHT OF PILOT TO REVIEW CERTAIN
4 RECORDS AND CORRECT INACCURACIES.—Notwith-
5 standing any other provision of law or agreement,
6 the Administrator, upon receipt of written request
7 from an individual—

8 “(A) shall make available, not later than
9 30 days after the date of the request, to the in-
10 dividual for review all records referred to in
11 paragraph (2) pertaining to the individual; and

12 “(B) shall provide the individual with a
13 reasonable opportunity to submit written com-
14 ments to correct any inaccuracies contained in
15 the records.

16 “(8) REASONABLE CHARGES FOR PROCESSING
17 REQUESTS AND FURNISHING COPIES.—The Adminis-
18 trator may establish a reasonable charge for the cost
19 of processing a request under paragraph (1) or (7)
20 and for the cost of furnishing copies of requested
21 records under paragraph (7).

22 “(9) PRIVACY PROTECTIONS.—

23 “(A) USE OF RECORDS.—An air carrier
24 that accesses records pertaining to an individual
25 under paragraph (1) may use the records only

1 to assess the qualifications of the individual in
2 deciding whether or not to hire the individual as
3 a pilot. The air carrier shall take such actions
4 as may be necessary to protect the privacy of
5 the individual and the confidentiality of the
6 records accessed, including ensuring that infor-
7 mation contained in the records is not divulged
8 to any individual that is not directly involved in
9 the hiring decision.

10 “(B) DISCLOSURE OF INFORMATION.—

11 “(i) IN GENERAL.—Except as pro-
12 vided by clause (ii), information collected
13 by the Administrator under paragraph (2)
14 shall be exempt from the disclosure re-
15 quirements of section 552 of title 5.

16 “(ii) EXCEPTIONS.—Clause (i) shall
17 not apply to—

18 “(I) de-identified, summarized in-
19 formation to explain the need for
20 changes in policies and regulations;

21 “(II) information to correct a
22 condition that compromises safety;

23 “(III) information to carry out a
24 criminal investigation or prosecution;

1 “(IV) information to comply with
2 section 44905, regarding information
3 about threats to civil aviation; and

4 “(V) such information as the Ad-
5 ministrator determines necessary, if
6 withholding the information would not
7 be consistent with the safety respon-
8 sibilities of the Federal Aviation Ad-
9 ministration.

10 “(10) PERIODIC REVIEW.—Not later than 18
11 months after the date of enactment of this para-
12 graph, and at least once every 3 years thereafter,
13 the Administrator shall transmit to Congress a
14 statement that contains, taking into account recent
15 developments in the aviation industry—

16 “(A) recommendations by the Adminis-
17 trator concerning proposed changes to Federal
18 Aviation Administration records, air carrier
19 records, and other records required to be in-
20 cluded in the database under paragraph (2); or

21 “(B) reasons why the Administrator does
22 not recommend any proposed changes to the
23 records referred to in subparagraph (A).

1 “(11) REGULATIONS FOR PROTECTION AND SE-
2 CURITY OF RECORDS.—The Administrator shall pre-
3 scribe such regulations as may be necessary—

4 “(A) to protect and secure—

5 “(i) the personal privacy of any indi-
6 vidual whose records are accessed under
7 paragraph (1); and

8 “(ii) the confidentiality of those
9 records; and

10 “(B) to preclude the further dissemination
11 of records received under paragraph (1) by the
12 person who accessed the records.

13 “(12) GOOD FAITH EXCEPTION.—Notwith-
14 standing paragraph (1), an air carrier may allow an
15 individual to begin service as a pilot, without first
16 obtaining information described in paragraph (2)(B)
17 from the database pertaining to the individual, if—

18 “(A) the air carrier has made a docu-
19 mented good faith attempt to access the infor-
20 mation from the database; and

21 “(B) has received written notice from the
22 Administrator that the information is not con-
23 tained in the database because the individual
24 was employed by an air carrier or other person
25 that no longer exists or by a foreign govern-

1 ment or other entity that has not provided the
2 information to the database.

3 “(13) LIMITATIONS ON ELECTRONIC ACCESS TO
4 RECORDS.—

5 “(A) ACCESS BY INDIVIDUALS DES-
6 IGNATED BY AIR CARRIERS.—For the purpose
7 of increasing timely and efficient access to
8 records described in paragraph (2), the Admin-
9 istrator may allow, under terms established by
10 the Administrator, an individual designated by
11 an air carrier to have electronic access to the
12 database.

13 “(B) TERMS.—The terms established by
14 the Administrator under subparagraph (A) for
15 allowing a designated individual to have elec-
16 tronic access to the database shall limit such
17 access to instances in which information in the
18 database is required by the designated indi-
19 vidual in making a hiring decision concerning a
20 pilot applicant and shall require that the des-
21 ignated individual provide assurances satisfac-
22 tory to the Administrator that—

23 “(i) the designated individual has re-
24 ceived the written consent of the pilot ap-
25 plicant to access the information; and

1 “(ii) information obtained using such
2 access will not be used for any purpose
3 other than making the hiring decision.

4 “(14) AUTHORIZED EXPENDITURES.—Out of
5 amounts appropriated under section 106(k)(1), there
6 is authorized to be expended to carry out this sub-
7 section such sums as may be necessary for each of
8 fiscal years 2010, 2011, and 2012.

9 “(15) REGULATIONS.—

10 “(A) IN GENERAL.—The Administrator
11 shall issue regulations to carry out this sub-
12 section.

13 “(B) EFFECTIVE DATE.—The regulations
14 shall specify the date on which the requirements
15 of this subsection take effect and the date on
16 which the requirements of subsection (h) cease
17 to be effective.

18 “(C) EXCEPTIONS.—Notwithstanding sub-
19 paragraph (B)—

20 “(i) the Administrator shall begin to
21 establish the database under paragraph (2)
22 not later than 90 days after the date of en-
23 actment of this paragraph;

24 “(ii) the Administrator shall maintain
25 records in accordance with paragraph (5)

1 beginning on the date of enactment of this
 2 paragraph; and

3 “(iii) air carriers and other persons
 4 shall maintain records to be reported to
 5 the database under paragraph (4)(B) be-
 6 ginning on such date of enactment.”.

7 (c) CONFORMING AMENDMENTS.—

8 (1) LIMITATION ON LIABILITY; PREEMPTION OF
 9 STATE LAW.—Section 44703(j) (as redesignated by
 10 subsection (b)(1) of this section) is amended—

11 (A) in the subsection heading by striking
 12 “LIMITATION” and inserting “LIMITATIONS”;

13 (B) in paragraph (1)—

14 (i) in the matter preceding subpara-
 15 graph (A) by striking “paragraph (2)” and
 16 inserting “subsection (h)(2) or (i)(3)”;

17 (ii) in subparagraph (A) by inserting
 18 “or accessing the records of that individual
 19 under subsection (i)(1)” before the semi-
 20 colon; and

21 (iii) in the matter following subpara-
 22 graph (D) by striking “subsection (h)” and
 23 inserting “subsection (h) or (i)”;

1 (C) in paragraph (2) by striking “sub-
2 section (h)” and inserting “subsection (h) or
3 (i)”;

4 (D) in paragraph (3), in the matter pre-
5 ceding subparagraph (A), by inserting “or who
6 furnished information to the database estab-
7 lished under subsection (i)(2)” after “sub-
8 section (h)(1)”; and

9 (E) by adding at the end the following:

10 “(4) PROHIBITION ON ACTIONS AND PRO-
11 CEEDINGS AGAINST AIR CARRIERS.—

12 “(A) HIRING DECISIONS.—An air carrier
13 may refuse to hire an individual as a pilot if the
14 individual did not provide written consent for
15 the air carrier to receive records under sub-
16 section (h)(2)(A) or (i)(3)(A) or did not execute
17 the release from liability requested under sub-
18 section (h)(2)(B) or (i)(3)(B).

19 “(B) ACTIONS AND PROCEEDINGS.—No
20 action or proceeding may be brought against an
21 air carrier by or on behalf of an individual who
22 has applied for or is seeking a position as a
23 pilot with the air carrier if the air carrier re-
24 fused to hire the individual after the individual
25 did not provide written consent for the air car-

1 rier to receive records under subsection
 2 (h)(2)(A) or (i)(3)(A) or did not execute a re-
 3 lease from liability requested under subsection
 4 (h)(2)(B) or (i)(3)(B).”.

5 (2) LIMITATION ON STATUTORY CONSTRUC-
 6 TION.—Section 44703(k) (as redesignated by sub-
 7 section (b)(1) of this section) is amended by striking
 8 “subsection (h)” and inserting “subsection (h) or
 9 (i)”.

10 **SEC. 7. FAA RULEMAKING ON TRAINING PROGRAMS.**

11 (a) COMPLETION OF RULEMAKING ON TRAINING
 12 PROGRAMS.—Not later than 14 months after the date of
 13 enactment of this Act, the Administrator of the Federal
 14 Aviation Administration shall issue a final rule with re-
 15 spect to the notice of proposed rulemaking published in
 16 the Federal Register on January 12, 2009 (74 Fed. Reg.
 17 1280; relating to training programs for flight crew-
 18 members and aircraft dispatchers).

19 (b) EXPERT PANEL TO REVIEW PART 121 AND PART
 20 135 TRAINING HOURS.—

21 (1) ESTABLISHMENT.—Not later than 60 days
 22 after the date of enactment of this Act, the Adminis-
 23 trator shall convene a multidisciplinary expert panel
 24 comprised of, at a minimum, air carrier representa-
 25 tives, training facility representatives, instructional

1 design experts, aircraft manufacturers, safety orga-
2 nization representatives, and labor union representa-
3 tives.

4 (2) ASSESSMENT AND RECOMMENDATIONS.—

5 The panel shall assess and make recommendations
6 concerning—

7 (A) the best methods and optimal time
8 needed for flight crewmembers of part 121 air
9 carriers and flight crewmembers of part 135 air
10 carriers to master aircraft systems, maneuvers,
11 procedures, take offs and landings, and crew co-
12 ordination;

13 (B) the optimal length of time between
14 training events for such crewmembers, includ-
15 ing recurrent training events; and

16 (C) the best methods to reliably evaluate
17 mastery by such crewmembers of aircraft sys-
18 tems, maneuvers, procedures, take offs and
19 landings, and crew coordination.

20 (3) REPORT.—Not later than one year after the
21 date of enactment of this Act, the Administrator
22 shall submit to the Committee on Transportation
23 and Infrastructure of the House of Representatives,
24 the Committee on Commerce, Science, and Trans-
25 portation of the Senate, and the National Transpor-

1 tation Safety Board a report based on the findings
2 of the panel.

3 **SEC. 8. AVIATION SAFETY INSPECTORS AND OPERATIONAL**
4 **RESEARCH ANALYSTS.**

5 (a) REVIEW BY DOT INSPECTOR GENERAL.—Not
6 later than 9 months after the date of enactment of this
7 Act, the Inspector General of the Department of Trans-
8 portation shall conduct a review of aviation safety inspec-
9 tors and operational research analysts of the Federal Avia-
10 tion Administration assigned to part 121 air carriers and
11 submit to the Administrator of the Federal Aviation Ad-
12 ministration a report on the results of the review.

13 (b) PURPOSES.—The purpose of the review shall be,
14 at a minimum—

15 (1) to review the level of the Administration’s
16 oversight of each part 121 air carrier;

17 (2) to make recommendations to ensure that
18 each part 121 air carrier is receiving an equivalent
19 level of oversight;

20 (3) to assess the number and level of experience
21 of aviation safety inspectors assigned to such car-
22 riers;

23 (4) to evaluate how the Administration is mak-
24 ing assignments of aviation safety inspectors to such
25 carriers;

1 (5) to review various safety inspector oversight
2 programs, including the geographic inspector pro-
3 gram;

4 (6) to evaluate the adequacy of the number of
5 operational research analysts assigned to each part
6 121 air carrier;

7 (7) to evaluate the surveillance responsibilities
8 of aviation safety inspectors, including en route in-
9 spections;

10 (8) to evaluate whether inspectors are able to
11 effectively use data sources, such as the Safety Per-
12 formance Analysis System and the Air Transpor-
13 tation Oversight System, to assist in targeting over-
14 sight of air carriers;

15 (9) to assess the feasibility of establishment by
16 the Administration of a comprehensive repository of
17 information that encompasses multiple Administra-
18 tion data sources and allowing access by aviation
19 safety inspectors and operational research analysts
20 to assist in the oversight of part 121 air carriers;
21 and

22 (10) to conduct such other analyses as the In-
23 spector General considers relevant to the purpose of
24 the review.

1 (c) REPORT TO CONGRESS.—Not later than 90 days
 2 after the date of receipt of the report submitted under sub-
 3 section (a), the Administrator shall submit to the Com-
 4 mittee on Transportation and Infrastructure of the House
 5 of Representatives and the Committee on Commerce,
 6 Science, and Transportation of the Senate a report—

7 (1) that specifies which, if any, policy changes
 8 recommended by the Inspector General under this
 9 section the Administrator intends to adopt and im-
 10 plement;

11 (2) that includes an explanation of how the Ad-
 12 ministrator plans to adopt and implement such pol-
 13 icy changes; and

14 (3) in any case in which the Administrator does
 15 not intend to adopt a policy change recommended by
 16 the Inspector General, that includes an explanation
 17 of the reasons for the decision not to adopt and im-
 18 plement the policy change.

19 **SEC. 9. FLIGHT CREWMEMBER MENTORING, PROFES-**
 20 **SIONAL DEVELOPMENT, AND LEADERSHIP.**

21 (a) RULEMAKING PROCEEDING.—

22 (1) IN GENERAL.—The Administrator of the
 23 Federal Aviation Administration shall conduct a
 24 rulemaking proceeding to require each part 121 air
 25 carrier to take the following actions:

1 (A) Establish flight crewmember men-
2 toring programs under which the air carrier will
3 pair highly experienced flight crewmembers who
4 will serve as mentor pilots and be paired with
5 newly employed flight crewmembers. Mentor pi-
6 lots shall receive, at a minimum, specific in-
7 struction on techniques for instilling and rein-
8 forcing the highest standards of technical per-
9 formance, airmanship, and professionalism in
10 newly employed flight crewmembers.

11 (B) Establish flight crewmember profes-
12 sional development committees made up of air
13 carrier management and labor union or profes-
14 sional association representatives to develop, ad-
15 minister, and oversee formal mentoring pro-
16 grams of the carrier to assist flight crew-
17 members to reach their maximum potential as
18 safe, seasoned, and proficient flight crew-
19 members.

20 (C) Establish or modify training programs
21 to accommodate substantially different levels
22 and types of flight experience by newly em-
23 ployed flight crewmembers.

24 (D) Establish or modify training programs
25 for second-in-command flight crewmembers at-

tempting to qualify as pilot-in-command flight crewmembers for the first time in a specific aircraft type and ensure that such programs include leadership and command training.

(E) Ensure that recurrent training for pilots in command includes leadership and command training.

(F) Such other actions as the Administrator determines appropriate to enhance flight crewmember professional development.

(2) COMPLIANCE WITH STERILE COCKPIT RULE.—Leadership and command training described in paragraphs (1)(D) and (1)(E) shall include instruction on compliance with flight crewmember duties under part 121.542 of title 14, Code of Federal Regulations.

(3) STREAMLINED PROGRAM REVIEW.—

(A) IN GENERAL.—As part of the rule-making required by subsection (a), the Administrator shall establish a streamlined process for part 121 air carriers that have in effect, as of the date of enactment of this Act, the programs required by paragraph (1).

(B) EXPEDITED APPROVALS.—Under the streamlined process, the Administrator shall—

1 (i) review the programs of such part
 2 121 air carriers to determine whether the
 3 programs meet the requirements set forth
 4 in the final rule referred to in subsection
 5 (b)(2); and

6 (ii) expedite the approval of the pro-
 7 grams that the Administrator determines
 8 meet such requirements.

9 (b) DEADLINES.—The Administrator shall issue—

10 (1) not later than 180 days after the date of
 11 enactment of this Act, a notice of proposed rule-
 12 making under subsection (a); and

13 (2) not later than 24 months after such date of
 14 enactment, a final rule under subsection (a).

15 **SEC. 10. FLIGHT CREWMEMBER SCREENING AND QUALI-**
 16 **FICATIONS.**

17 (a) REQUIREMENTS.—

18 (1) RULEMAKING PROCEEDING.—The Adminis-
 19 trator of the Federal Aviation Administration shall
 20 conduct a rulemaking proceeding to require part 121
 21 air carriers to develop and implement means and
 22 methods for ensuring that flight crewmembers have
 23 proper qualifications and experience.

24 (2) MINIMUM REQUIREMENTS.—

1 (A) PROSPECTIVE FLIGHT CREW-
2 MEMBERS.—Rules issued under paragraph (1)
3 shall ensure that prospective flight crew-
4 members undergo comprehensive pre-employ-
5 ment screening, including an assessment of the
6 skills, aptitudes, airmanship, and suitability of
7 each applicant for a position as a flight crew-
8 member in terms of functioning effectively in
9 the air carrier’s operational environment.

10 (B) ALL FLIGHT CREWMEMBERS.—Rules
11 issued under paragraph (1) shall ensure that,
12 after the date that is 3 years after the date of
13 enactment of this Act, all flight crewmembers—

14 (i) have obtained an airline transport
15 pilot license under part 61 of title 14, Code
16 of Federal Regulations; and

17 (ii) have appropriate multi-engine air-
18 craft flight experience, as determined by
19 the Administrator.

20 (b) DEADLINES.—The Administrator shall issue—

21 (1) not later than 180 days after the date of
22 enactment of this Act, a notice of proposed rule-
23 making under subsection (a); and

24 (2) not later than 24 months after such date of
25 enactment, a final rule under subsection (a).

1 **SEC. 11. FLIGHT SCHOOLS, FLIGHT EDUCATION, AND PILOT**
2 **ACADEMIC TRAINING.**

3 (a) GAO STUDY.—The Comptroller General shall
4 conduct a comprehensive study of flight schools, flight
5 education, and academic training requirements for certifi-
6 cation of an individual as a pilot.

7 (b) MINIMUM CONTENTS OF STUDY.—The study
8 shall include, at a minimum—

9 (1) an assessment of the Federal Aviation Ad-
10 ministration's oversight of flight schools;

11 (2) an assessment of the Administration's aca-
12 demic training requirements in effect on the date of
13 enactment of this Act as compared to flight edu-
14 cation provided to a pilot by accredited 2- and 4-
15 year universities;

16 (3) a comparison of the academic training re-
17 quirements for pilots in the United States to the
18 academic training requirements for pilots in other
19 countries;

20 (4) a determination and description of any im-
21 provements that may be needed in the Administra-
22 tion's academic training requirements for pilots;

23 (5) an assessment of student financial aid and
24 loan options available to individuals interested in en-
25 rolling at a flight school for both academic and flight
26 hour training;

1 (6) an assessment of the Federal Aviation Ad-
2 ministration's oversight of general aviation flight
3 schools that offer or would like to offer training pro-
4 grams under part 142 of title 14, Code of Federal
5 Regulations; and

6 (7) an assessment of whether compliance with
7 the English speaking requirements applicable to pi-
8 lots under part 61 of such title is adequately tested
9 and enforced.

10 (c) REPORT.—Not later than 120 days after the date
11 of enactment of this Act, the Comptroller General shall
12 submit to the Committee on Transportation and Infra-
13 structure of the House of Representatives and the Com-
14 mittee on Commerce, Science, and Transportation of the
15 Senate a report on the results of the study.

16 **SEC. 12. VOLUNTARY SAFETY PROGRAMS.**

17 (a) REPORT.—Not later than 180 days after the date
18 of enactment of this Act, the Administrator of the Federal
19 Aviation Administration shall submit to the Committee on
20 Transportation and Infrastructure of the House of Rep-
21 resentatives and the Committee on Commerce, Science
22 and Transportation of the Senate a report on the aviation
23 safety action program, the flight operational quality assur-
24 ance program, the line operations safety audit, and the
25 advanced qualification program.

1 (b) CONTENTS.—The report shall include—

2 (1) a list of—

3 (A) which air carriers are using one or
4 more of the voluntary safety programs referred
5 to in subsection (a); and

6 (B) the voluntary safety programs each air
7 carrier is using;

8 (2) if an air carrier is not using one or more
9 of the voluntary safety programs—

10 (A) a list of such programs the carrier is
11 not using; and

12 (B) the reasons the carrier is not using
13 each such program;

14 (3) if an air carrier is using one or more of the
15 voluntary safety programs, an explanation of the
16 benefits and challenges of using each such program;

17 (4) a detailed analysis of how the Administra-
18 tion is using data derived from each of the voluntary
19 safety programs as safety analysis and accident or
20 incident prevention tools and a detailed plan on how
21 the Administration intends to expand data analysis
22 of such programs;

23 (5) an explanation of—

24 (A) where the data derived from such pro-
25 grams is stored;

1 (B) how the data derived from such pro-
2 grams is protected and secured; and

3 (C) what data analysis processes air car-
4 riers are implementing to ensure the effective
5 use of the data derived from such programs;

6 (6) a description of the extent to which aviation
7 safety inspectors are able to review data derived
8 from such programs to enhance their oversight re-
9 sponsibilities;

10 (7) a description of how the Administration
11 plans to incorporate operational trends identified
12 under such programs into the air transport oversight
13 system and other surveillance databases so that such
14 system and databases are more effectively utilized;

15 (8) other plans to strengthen such programs,
16 taking into account reviews of such programs by the
17 Inspector General of the Department of Transpor-
18 tation; and

19 (9) such other matters as the Administrator de-
20 termines are appropriate.

21 **SEC. 13. ASAP AND FOQA IMPLEMENTATION PLAN.**

22 (a) DEVELOPMENT AND IMPLEMENTATION PLAN.—
23 The Administrator of the Federal Aviation Administration
24 shall develop and implement a plan to facilitate the estab-
25 lishment of an aviation safety action program and a flight

1 operational quality assurance program by all part 121 air
2 carriers.

3 (b) MATTERS TO BE CONSIDERED.—In developing
4 the plan under subsection (a), the Administrator shall con-
5 sider—

6 (1) how the Administration can assist part 121
7 air carriers with smaller fleet sizes to derive benefit
8 from establishing a flight operational quality assur-
9 ance program;

10 (2) how part 121 air carriers with established
11 aviation safety action and flight operational quality
12 assurance programs can quickly begin to report data
13 into the aviation safety information analysis sharing
14 database; and

15 (3) how part 121 air carriers and aviation safe-
16 ty inspectors can better utilize data from such data-
17 base as accident and incident prevention tools.

18 (c) REPORT.—Not later than 180 days after the date
19 of enactment of this Act, the Administrator shall submit
20 to the Committee on Transportation and Infrastructure
21 of the House of Representatives and the Committee on
22 Science, Commerce, and Transportation of the Senate a
23 copy of the plan developed under subsection (a) and an
24 explanation of how the Administration will implement the
25 plan.

1 (d) DEADLINE FOR BEGINNING IMPLEMENTATION
2 OF PLAN.—Not later than one year after the date of en-
3 actment of this Act, the Administrator shall begin imple-
4 mentation of the plan developed under subsection (a).

5 **SEC. 14. SAFETY MANAGEMENT SYSTEMS.**

6 (a) RULEMAKING.—The Administrator of the Fed-
7 eral Aviation Administration shall conduct a rulemaking
8 proceeding to require all part 121 air carriers to imple-
9 ment a safety management system.

10 (b) MATTERS TO CONSIDER.—In conducting the rule-
11 making under subsection (a), the Administrator shall con-
12 sider including each of the following as a part of the safety
13 management system:

14 (1) An aviation safety action program.

15 (2) A flight operational quality assurance pro-
16 gram.

17 (3) A line operations safety audit.

18 (4) An advanced qualification program.

19 (c) DEADLINES.—The Administrator shall issue—

20 (1) not later than 90 days after the date of en-
21 actment of this Act, a notice of proposed rulemaking
22 under subsection (a); and

23 (2) not later than 24 months after the date of
24 enactment of this Act, a final rule under subsection
25 (a).

1 (d) SAFETY MANAGEMENT SYSTEM DEFINED.—In
2 this section, the term “safety management system” means
3 the program established by the Federal Aviation Adminis-
4 tration in Advisory Circular 120–92, dated June 22, 2006,
5 including any subsequent revisions thereto.

6 **SEC. 15. DISCLOSURE OF AIR CARRIERS OPERATING**
7 **FLIGHTS FOR TICKETS SOLD FOR AIR TRANS-**
8 **PORTATION.**

9 Section 41712 of title 49, United States Code, is
10 amended by adding at the end the following:

11 “(c) DISCLOSURE REQUIREMENT FOR SELLERS OF
12 TICKETS FOR FLIGHTS.—

13 “(1) IN GENERAL.—It shall be an unfair or de-
14 ceptive practice under subsection (a) for any ticket
15 agent, air carrier, foreign air carrier, or other person
16 offering to sell tickets for air transportation on a
17 flight of an air carrier to not disclose, whether ver-
18 bally in oral communication or in writing in written
19 or electronic communication, prior to the purchase
20 of a ticket—

21 “(A) the name (including any business or
22 corporate name) of the air carrier providing the
23 air transportation; and

24 “(B) if the flight has more than one flight
25 segment, the name of each air carrier providing

1 the air transportation for each such flight seg-
2 ment.

3 “(2) INTERNET OFFERS.—In the case of an
4 offer to sell tickets described in paragraph (1) on an
5 Internet Web site, disclosure of the information re-
6 quired by paragraph (1) shall be provided on the
7 first display of the Web site following a search of a
8 requested itinerary in a format that is easily visible
9 to a viewer.”.

10 **SEC. 16. PILOT FATIGUE.**

11 (a) FLIGHT AND DUTY TIME REGULATIONS.—

12 (1) IN GENERAL.—In accordance with para-
13 graph (3), the Administrator of the Federal Aviation
14 Administration shall issue regulations, based on the
15 best available scientific information—

16 (A) to specify limitations on the hours of
17 flight and duty time allowed for pilots to ad-
18 dress problems relating to pilot fatigue; and

19 (B) to require part 121 air carriers to de-
20 velop and implement fatigue risk management
21 plans.

22 (2) MATTERS TO BE ADDRESSED.—In con-
23 ducting the rulemaking proceeding under this sub-
24 section, the Administrator shall consider and review
25 the following:

1 (A) Time of day of flights in a duty period.

2 (B) Number of takeoff and landings in a
3 duty period.

4 (C) Number of time zones crossed in a
5 duty period.

6 (D) The impact of functioning in multiple
7 time zones or on different daily schedules.

8 (E) Research conducted on fatigue, sleep,
9 and circadian rhythms.

10 (F) Sleep and rest requirements rec-
11 ommended by the National Transportation
12 Safety Board and the National Aeronautics and
13 Space Administration.

14 (G) International standards regarding
15 flight schedules and duty periods.

16 (H) Alternative procedures to facilitate
17 alertness in the cockpit.

18 (I) Scheduling and attendance policies and
19 practices, including sick leave.

20 (J) The effects of commuting, the means
21 of commuting, and the length of the commute.

22 (K) Medical screening and treatment.

23 (L) Rest environments.

24 (M) Any other matters the Administrator
25 considers appropriate.

1 (3) DEADLINES.—The Administrator shall
2 issue—

3 (A) not later than 30 days after the date
4 of enactment of this Act, a notice of proposed
5 rulemaking under subsection (a); and

6 (B) not later than one year after the date
7 of enactment of this Act, a final rule under sub-
8 section (a).

9 (b) FATIGUE RISK MANAGEMENT PLAN.—

10 (1) SUBMISSION OF FATIGUE RISK MANAGE-
11 MENT PLAN BY PART 121 AIR CARRIERS.—Not later
12 than 90 days after the date of enactment of this sec-
13 tion, each part 121 air carrier shall submit to the
14 Administrator for review and approval a fatigue risk
15 management plan.

16 (2) CONTENTS OF PLAN.—A fatigue risk man-
17 agement plan submitted by a part 121 air carrier
18 under paragraph (1) shall include the following:

19 (A) Current flight time and duty period
20 limitations.

21 (B) A rest scheme that enables the man-
22 agement of fatigue, including annual training to
23 increase awareness of—

24 (i) fatigue;

1 (ii) the effects of fatigue on pilots;

2 and

3 (iii) fatigue countermeasures.

4 (C) Development and use of a methodology
5 that continually assesses the effectiveness of the
6 program, including the ability of the program—

7 (i) to improve alertness; and

8 (ii) to mitigate performance errors.

9 (3) PLAN UPDATES.—A part 121 air carrier
10 shall update its fatigue risk management plan under
11 paragraph (1) every 2 years and submit the update
12 to the Administrator for review and approval.

13 (4) APPROVAL.—

14 (A) INITIAL APPROVAL OR MODIFICA-
15 TION.—Not later than 9 months after the date
16 of enactment of this section, the Administrator
17 shall review and approve or require modification
18 to fatigue risk management plans submitted
19 under this subsection to ensure that pilots are
20 not operating aircraft while fatigued.

21 (B) UPDATE APPROVAL OR MODIFICA-
22 TION.—Not later than 9 months after submis-
23 sion of a plan update under paragraph (3), the
24 Administrator shall review and approve or re-
25 quire modification to such update.

1 (5) CIVIL PENALTIES.—A violation of this sub-
2 section by a part 121 air carrier shall be treated as
3 a violation of chapter 447 of title 49, United States
4 Code, for purposes of the application of civil pen-
5 alties under chapter 463 of that title.

6 (6) LIMITATION ON APPLICABILITY.—The re-
7 quirements of this subsection shall cease to apply to
8 a part 121 air carrier on and after the effective date
9 of the regulations to be issued under subsection (a).

10 (c) EFFECT OF COMMUTING ON FATIGUE.—

11 (1) IN GENERAL.—Not later than 3 months
12 after the date of enactment of this Act, the Adminis-
13 trator shall enter into appropriate arrangements
14 with the National Academy of Sciences to conduct a
15 study of the effects of commuting on pilot fatigue
16 and report its findings to the Administrator.

17 (2) STUDY.—In conducting the study, the Na-
18 tional Academy of Sciences shall consider—

19 (A) the prevalence of pilot commuting in
20 the commercial air carrier industry, including
21 the number and percentage of pilots who com-
22 mute;

23 (B) information relating to commuting by
24 pilots, including distances traveled, time zones
25 crossed, time spent, and methods used;

1 (C) research on the impact of commuting
2 on pilot fatigue, sleep, and circadian rhythms;

3 (D) commuting policies of commercial air
4 carriers (including passenger and all-cargo air
5 carriers), including pilot check-in requirements
6 and sick leave and fatigue policies;

7 (E) post-conference materials from the
8 Federal Aviation Administration's June 2008
9 symposium entitled "Aviation Fatigue Manage-
10 ment Symposium: Partnerships for Solutions";

11 (F) Federal Aviation Administration and
12 international policies and guidance regarding
13 commuting; and

14 (G) any other matters as the Adminis-
15 trator considers appropriate.

16 (3) PRELIMINARY FINDINGS.—Not later than
17 120 days after the date of entering into arrange-
18 ments under paragraph (1), the National Academy
19 of Sciences shall submit to the Administrator its
20 preliminary findings under the study.

21 (4) REPORT.—Not later than 6 months after
22 the date of entering into arrangements under para-
23 graph (1), the National Academy of Sciences shall
24 submit to the Administrator a report containing its
25 findings under the study and any recommendations

1 for regulatory or administrative actions by the Fed-
2 eral Aviation Administration concerning commuting
3 by pilots.

4 (5) RULEMAKING.—Following receipt of the re-
5 port of the National Academy of Sciences under
6 paragraph (4), the Administrator shall—

7 (A) consider the findings and recommenda-
8 tions in the report; and

9 (B) update, as appropriate based on sci-
10 entific data, regulations required by subsection
11 (a) on flight and duty time.

12 (6) AUTHORIZATION OF APPROPRIATIONS.—
13 There are authorized to be appropriated such sums
14 as may be necessary to carry out this subsection.

15 **SEC. 17. FLIGHT CREWMEMBER PAIRING AND CREW RE-**
16 **SOURCE MANAGEMENT TECHNIQUES.**

17 (a) STUDY.—The Administrator of the Federal Avia-
18 tion Administration shall conduct a study on aviation in-
19 dustry best practices with regard to flight crewmember
20 pairing and crew resource management techniques.

21 (b) REPORT.—Not later than one year after the date
22 of enactment of this Act, the Administrator shall submit
23 to the Committee on Transportation and Infrastructure
24 of the House of Representatives and the Committee on

- 1 Commerce, Science, and Transportation of the Senate a
- 2 report on the results of the study.

Union Calendar No. 159

11TH CONGRESS
1ST Session

H. R. 3371

[Report No. 111-284]

A BILL

To amend title 49, United States Code, to improve
airline safety and pilot training, and for other
purposes.

OCTOBER 6, 2009

Committed to the Committee of the Whole House on the
State of the Union and ordered to be printed