

application of Airbus modifications 13245 and 13282 during production.

Subject

(d) Wings.

Reason

(e) The mandatory continuing airworthiness information (MCAI) states: Three cases of outer deflector panel found detached or broken during ground inspection have been reported by operators to Airbus. The affected deflector panel is the most outboard of the two outer deflectors. In addition, an operator has also reported a missing portion of hinge on one panel. The missing portion of hinge is held to the structure through one Camloc fastener.

Mishandling or failure of the small portion of hinge located inboard of the affected deflector panel is suspected to be the main cause of the deflector damage.

This can cause misalignment of the deflector panel followed by hinge pin migration and possible further damages to the deflector on flap retraction.

If not corrected, such situation could lead to the loss of deflector panel and injured people on the ground.

The aim of this Airworthiness Directive (AD) is to mandate the one time inspection to detect and prevent damage to inner and outer shroud box deflectors.

The corrective action includes repairing any discrepancy, or removing the affected deflector door according to the Configuration Deviation List (CDL).

Actions and Compliance

(f) Within 18 months after the effective date of this AD, unless already done, do a detailed visual inspection of the inner and outer shroud box flap deflectors in accordance with the Accomplishment

Instructions of Airbus Service Bulletin A300-57-0247, including Appendix 01, dated November 7, 2006; or Airbus Service Bulletin A300-57-6104, including Appendix 01, dated November 7, 2006; as applicable.

(1) If any discrepancy or damage is found, before next flight do the action in paragraph (f)(1)(i) or (f)(1)(ii) of this AD.

(i) Repair the affected flap deflector in accordance with the Accomplishment Instructions of Airbus Service Bulletin A300-57-0247, including Appendix 01, dated November 7, 2006; or Airbus Service Bulletin A300-57-6104, including Appendix 01, dated November 7, 2006; as applicable.

(ii) Remove the affected deflector door as described in Airbus A300 Airplane Flight Manual (AFM), Appendix—Configuration Deviation List, Page 6.03.27, dated February 1, 1993; or Airbus A300-600 AFM, Appendix—Configuration Deviation List, Page 6.03.27, dated May 1, 1992; as applicable. The removed door may be reinstalled once it has been repaired in accordance with the Accomplishment Instructions of Airbus Service Bulletin A300-57-0247, including Appendix 01, dated November 7, 2006; or Airbus Service Bulletin A300-57-6104, including Appendix 01, dated November 7, 2006; as applicable.

(2) Report to Airbus the results of the inspection done in accordance with paragraph (f) of this AD, using the inspection report included in Appendix 01 of the applicable service bulletin specified in paragraph (f) of this AD.

FAA AD Differences

Note: This AD differs from the MCAI and/or service information as follows: No differences.

Other FAA AD Provisions

(g) The following provisions also apply to this AD:

(1) *Alternative Methods of Compliance (AMOCs):* The Manager, ANM-116, Transport Airplane Directorate, International Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. Send information to ATTN: Tom Stafford, Aerospace Engineer, International Branch, ANM-116, FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington 98057-3356; telephone (425) 227-1622; fax (425) 227-1149. Before using any approved AMOC on any airplane to which the AMOC applies, notify your appropriate principal inspector (PI) in the FAA Flight Standards District Office (FSDO), or lacking a PI, your local FSDO.

(2) *Airworthy Product:* For any requirement in this AD to obtain corrective actions from a manufacturer or other source, use these actions if they are FAA-approved. Corrective actions are considered FAA-approved if they are approved by the State of Design Authority (or their delegated agent). You are required to assure the product is airworthy before it is returned to service.

(3) *Reporting Requirements:* For any reporting requirement in this AD, under the provisions of the Paperwork Reduction Act, the Office of Management and Budget (OMB) has approved the information collection requirements and has assigned OMB Control Number 2120-0056.

Related Information

(h) Refer to MCAI European Aviation Safety Agency (EASA) Airworthiness Directive 2007-0062, dated March 7, 2007, and the service information identified in Table 1 of this AD, for related information.

TABLE 1.—AIRBUS SERVICE INFORMATION

Service information	Date
Airbus Service Bulletin A300-57-0247, including Appendix 01	November 7, 2006.
Airbus Service Bulletin A300-57-6104, including Appendix 01	November 7, 2006.
Airbus A300 Airplane Flight Manual, Appendix—Configuration Deviation List, Page 6.03.27	February 1, 1993.
Airbus A300-600 Airplane Flight Manual, Appendix—Configuration Deviation List, Page 6.03.27	May 1, 1992.

Issued in Renton, Washington, on June 26, 2007.

Ali Bahrami,

Manager, Transport Airplane Directorate, Aircraft Certification Service.

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DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA-2007-28661; Directorate Identifier 2007-NM-013AD]

RIN 2120-AA64

Airworthiness Directives; Boeing Model 737-600, -700, -700C, -800, and -900 Series Airplanes

AGENCY: Federal Aviation Administration (FAA), Department of Transportation (DOT).

ACTION: Notice of proposed rulemaking (NPRM).

SUMMARY: The FAA proposes to adopt a new airworthiness directive (AD) for certain Boeing Model 737-600, -700, -700C, -800, and -900 series airplanes. This proposed AD would require installation of an automatic shutoff system for the center tank fuel boost pumps, installation of a placard in the airplane flight deck if necessary, and concurrent modification of the P5-2 fuel control module assembly. This proposed AD would also require revisions to the Limitations and Normal Procedures sections of the airplane flight manual to advise the flightcrew of certain operating restrictions for airplanes equipped with an automated center tank fuel pump shutoff control. This proposed AD would also require a

revision to the Airworthiness Limitations (AWLs) section of the Instructions for Continued Airworthiness to incorporate AWL No. 28-AWL-19 and No. 28-AWL-23. This proposed AD would also require installation of two secondary override fuel pump control relays to each existing primary override fuel pump control relay for the center fuel tank fuel boost pumps. This proposed AD results from fuel system reviews conducted by the manufacturer. We are proposing this AD to prevent center tank fuel pump operation with continuous low pressure, which could lead to friction sparks or overheating in the fuel pump inlet or could create a potential ignition source inside the center fuel tank; these conditions, in combination with flammable fuel vapors, could result in a center fuel tank explosion and consequent loss of the airplane.

DATES: We must receive comments on this proposed AD by August 24, 2007.

ADDRESSES: Use one of the following addresses to submit comments on this proposed AD.

- DOT Docket Web site: Go to <http://dms.dot.gov> and follow the instructions for sending your comments electronically.

- Government-wide rulemaking Web site: Go to <http://www.regulations.gov> and follow the instructions for sending your comments electronically.

- Mail: U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE., Washington, DC 20590.

- Fax: (202) 493-2251.

- Hand Delivery: Room W12-140 on the ground floor of the West Building, 1200 New Jersey Avenue SE., Washington, DC, between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

Contact Boeing Commercial Airplanes, P.O. Box 3707, Seattle, Washington 98124-2207, for the service information identified in this proposed AD.

FOR FURTHER INFORMATION CONTACT: Kathrine Rask, Aerospace Engineer, Propulsion Branch, ANM-140S, FAA, Seattle Aircraft Certification Office, 1601 Lind Ave SW., Renton, Washington 98057-3356; telephone (425) 917-6505; fax (425) 917-6590.

SUPPLEMENTARY INFORMATION:

Comments Invited

We invite you to submit any relevant written data, views, or arguments regarding this proposed AD. Send your comments to an address listed in the **ADDRESSES** section. Include the docket

number "FAA-2007-28661; Directorate Identifier 2007-NM-013-AD" at the beginning of your comments. We specifically invite comments on the overall regulatory, economic, environmental, and energy aspects of the proposed AD. We will consider all comments received by the closing date and may amend the proposed AD in light of those comments.

We will post all comments we receive, without change, to <http://dms.dot.gov>, including any personal information you provide. We will also post a report summarizing each substantive verbal contact with FAA personnel concerning this proposed AD. Using the search function of that Web site, anyone can find and read the comments in any of our dockets, including the name of the individual who sent the comment (or signed the comment on behalf of an association, business, labor union, etc.). You may review DOT's complete Privacy Act Statement in the **Federal Register** published on April 11, 2000 (65 FR 19477-78), or you may visit <http://dms.dot.gov>.

Examining the Docket

You may examine the AD docket on the Internet at <http://dms.dot.gov>, or in person at the Docket Operations office between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The Docket Operations office (telephone (800) 647-5527) is located on the ground floor of the West Building at the DOT street address stated in the **ADDRESSES** section. Comments will be available in the AD docket shortly after the Docket Management System receives them.

Discussion

The FAA has examined the underlying safety issues involved in fuel tank explosions on several large transport airplanes, including the adequacy of existing regulations, the service history of airplanes subject to those regulations, and existing maintenance practices for fuel tank systems. As a result of those findings, we issued a regulation titled "Transport Airplane Fuel Tank System Design Review, Flammability Reduction and Maintenance and Inspection Requirements" (66 FR 23086, May 7, 2001). In addition to new airworthiness standards for transport airplanes and new maintenance requirements, this rule included Special Federal Aviation Regulation No. 88 ("SFAR 88," Amendment 21-78, and subsequent Amendments 21-82 and 21-83).

Among other actions, SFAR 88 requires certain type design (i.e., type

certificate (TC) and supplemental type certificate (STC)) holders to substantiate that their fuel tank systems can prevent ignition sources in the fuel tanks. This requirement applies to type design holders for large turbine-powered transport airplanes and for subsequent modifications to those airplanes. It requires them to perform design reviews and to develop design changes and maintenance procedures if their designs do not meet the new fuel tank safety standards. As explained in the preamble to the rule, we intended to adopt airworthiness directives to mandate any changes found necessary to address unsafe conditions identified as a result of these reviews.

In evaluating these design reviews, we have established four criteria intended to define the unsafe conditions associated with fuel tank systems that require corrective actions. The percentage of operating time during which fuel tanks are exposed to flammable conditions is one of these criteria. The other three criteria address the failure types under evaluation: Single failures, single failures in combination with a latent condition(s), and in-service failure experience. For all four criteria, the evaluations included consideration of previous actions taken that may mitigate the need for further action.

We have determined that the actions identified in this proposed AD are necessary to reduce the potential of ignition sources inside fuel tanks, which, in combination with flammable fuel vapors, could result in fuel tank explosions and consequent loss of the airplane.

Boeing has found that certain failures will result in the center tank fuel pumps continuing to run after the tank has been depleted. Depending on the failure, pump low pressure may not be annunciated, or power may not be removed from the pump when the pump has been commanded "OFF." Operation of the center tank fuel pump with continuous low pressure could lead to friction sparks or overheating in the fuel boost pump inlet. This condition, if not corrected, could result in a fuel tank explosion and consequent loss of the airplane.

Other Relevant Rulemaking

On April 18, 2001, we issued AD 2001-08-24, amendment 39-12201 (66 FR 20733, April 25, 2001), applicable to all Boeing Model 737 airplanes. That AD requires revising the airplane flight manual (AFM) to prohibit extended dry operation of the center tank fuel pumps (with no fuel passing through the pumps). Accomplishing the actions

specified in paragraphs (g), (h), (i), (j), and (k) of this proposed AD would terminate the AFM revision required by paragraph (a) of AD 2001-08-24 for Model 737-600, -700, -700C, -800, and -900 series airplanes that have the automatic shutoff system installed.

On September 24, 2002, we issued AD 2002-19-52, amendment 39-12900 (67 FR 61253, September 30, 2002), applicable to all Boeing Model 737-600, -700, -700C, -800, and -900 series airplanes, Model 747 airplanes, and Model 757 airplanes. That AD requires revising the AFM to advise the flightcrew of certain operating restrictions for maintaining minimum fuel levels, prohibits use of the horizontal stabilizer tank on certain airplanes, and prohibits the installation of certain fuel pumps. That AD requires concurrent removal of the currently required AFM revisions and insertion of new AFM revisions, requires installation of placards to alert the flightcrew to the operating restrictions, and prohibits installation of any uninspected pumps. That AD permits the AFM revision and placard to be removed under certain conditions. Installation of a placard in accordance with paragraph (e) of AD 2002-19-52, amendment 39-12900, is acceptable for compliance with paragraph (h) of this AD.

On November 23, 2002, we issued emergency AD 2002-24-51, amendment 39-12992, applicable to all Boeing Model 737-600, -700, -700C, -800, and -900 series airplanes, Model 747 airplanes, and Model 757 airplanes. (We issued a **Federal Register** version of AD 2002-24-51 on December 23, 2002 (68 FR 10, January 2, 2003).) That AD requires revising the AFM to require the flightcrew to maintain certain minimum fuel levels in the center fuel tanks and, for certain airplanes, to prohibit the use of the horizontal stabilizer fuel tank and certain center auxiliary fuel tanks. Accomplishing the actions specified in paragraphs (g), (h), (i), (j), and (k) of this proposed AD would terminate the AFM revision specified in paragraph (b) of AD 2002-24-51 for Model 737-600, -700, -700C, -800, and -900 series airplanes that have the automatic shutoff system installed.

Relevant Service Information

We have reviewed Boeing Alert Service Bulletin 737-28A1206, dated January 11, 2006. This service bulletin describes procedures for installing an automatic shutoff system for the center tank fuel boost pumps. Installation of the automatic shutoff system includes the following actions:

- In the J4 junction box, changing wiring and connector termination positions and installing relays, transformers, markers, and wires to a certain wire bundle.
- In the J20 junction box, changing wiring and installing relays, markers, and wires to a certain wire bundle.
- At the P5 overhead panel in the flight compartment, replacing the P5-2 fuel control module with a reworked P5-2 fuel control module.
- In the flight compartment, installing the P61-8 fuel test panel and installing circuit breakers and markers in the P6-3 circuit breaker panel.
- Adding wiring to certain wire bundles in the P6 circuit breaker panel, between the flight and electronics compartment, in the J4 and J20 junction boxes, in the E2-1 and E4-2 electronics shelves in the electrical compartment, between the E2-1 electronics shelf and the P5-2 fuel control panel, between the E4-2 electronics shelf and the P5-2 fuel control panel, between the E2-1 electronics shelf and the J20 junction box, and between the E4-2 electronics shelf and the J4 junction box.

We have also reviewed Boeing Alert Service Bulletin 737-28A1248, dated December 21, 2006. This service bulletin describes procedures for installing two secondary override fuel pump control relays to each existing primary override fuel pump control relay for the center fuel tank fuel boost pumps. The installation includes installing a new overlay marker and Brady label, changing and adding certain wires, and connecting the new relays to the power distribution panel.

We have also reviewed Revision December 2005 and Revision May 2006 of Section 9 of the Boeing 737-600/700/700C/700IGW/800/900 Maintenance Planning Data (MPD) Document, D626A001-CMR (hereafter referred to as "the MPD"). Subsection F, "AIRWORTHINESS LIMITATIONS—FUEL SYSTEM AWLs," of the MPD describes new airworthiness limitations (AWLs) for fuel tank systems. The AWLs include:

- AWL inspections, which are periodic inspections of certain features for latent failures that could contribute to an ignition source.
- Critical design configuration control limitations (CDCCLs), which are limitation requirements to preserve a critical ignition source prevention feature of the fuel tank system design that is necessary to prevent the occurrence of an unsafe condition. The purpose of a CDCCL is to provide instruction to retain the critical ignition source prevention feature during configuration change that may be

caused by alterations, repairs, or maintenance actions. A CDCCL is not a periodic inspection.

Subsection F of the MPD, Revision December 2005, adds new fuel system AWL No. 28-AWL-19, which is a repetitive inspection of the automatic shutoff system for the center tank fuel boost pumps to verify functional integrity. Subsection F of the MPD, Revision May 2006, adds new fuel system AWL No. 28-AWL-23, which is a repetitive inspection of the power failed on protection system for the center tank fuel boost pumps to verify functional integrity.

Boeing Alert Service Bulletin 737-28A1206 recommends concurrent accomplishment of Boeing Component Service Bulletin 233A3202-28-03, dated January 12, 2006. Boeing Component Service Bulletin 233A3202-28-03 describes procedures for replacing the left and right center boost pump switches of the P5-2 fuel control module assembly with new switches and changing the wiring of the P5-2 fuel control module assembly.

Accomplishing the actions specified in the service information is intended to adequately address the unsafe condition.

FAA's Determination and Requirements of the Proposed AD

We have evaluated all pertinent information and identified an unsafe condition that is likely to exist or develop on other airplanes of this same type design. For this reason, we are proposing this AD, which would require the following actions:

- Installation of an automatic shutoff system for the center tank fuel boost pumps.
- Installation of a placard in the airplane flight deck, if necessary. (Placards are necessary only for "mixed fleet operation," which means that some airplanes in an operator's fleet are equipped with automatic shutoff systems while other airplanes are not.)
- Concurrent modification of the P5-2 fuel control module assembly.
- Revisions to the Limitations and Normal Procedures sections of the AFM to advise the flightcrew of certain operating restrictions for airplanes equipped with an automated center tank fuel pump shutoff control.
- Revision to the AWLs section of the Instructions for Continued Airworthiness to incorporate AWL No. 28-AWL-19, which would require repetitive inspections of the automatic shutoff system for the center tank fuel boost pumps to verify functional integrity.

- Installation of two secondary override fuel pump control relays to each existing primary override fuel pump control relay for the center fuel tank fuel boost pumps.
- Revision to the AWLs section of the Instructions for Continued Airworthiness to incorporate AWL No. 28-AWL-23, which would require repetitive inspections of the power failed on protection system for the

center tank fuel boost pumps to verify functional integrity.

This proposed AD would also allow accomplishing the revision to the AWLs section of the Instructions for Continued Airworthiness in accordance with later revisions of the MPD as an acceptable method of compliance if they are approved by the Manager, Seattle Aircraft Certification Office (ACO), FAA.

Costs of Compliance

There are about 2,109 airplanes of the affected design in the worldwide fleet. The following table provides the estimated costs, at an average labor rate of \$80 per work hour, for U.S. operators to comply with this proposed AD. The estimated cost of parts for installing an automatic shutoff system depends on the configuration of an airplane.

ESTIMATED COSTS

Action	Work hours	Parts	Cost per airplane	Number of U.S.-registered airplanes	Fleet cost
Installation of the automatic shutoff system	89	\$23,072 to \$34,559 ..	\$30,192 to \$41,679 ..	616	\$18,598,272 to \$25,674,264.
Placard installation, if necessary	1	\$10	\$90	616	\$55,440.
Concurrent modification of fuel control module assembly.	9	\$3,815	\$4,535	616	\$2,793,560.
AFM revision	1	None	\$80	616	\$49,280.
AWL revision to add 28-AWL-19	1	None	\$80	616	\$49,280.
Installation of secondary pump control relays.	65	\$2,964	\$8,164	726	\$5,927,064.
AWL revision to add 28-AWL-23	1	None	\$80	726	\$58,080.

Authority for This Rulemaking

Title 49 of the United States Code specifies the FAA's authority to issue rules on aviation safety. Subtitle I, Section 106, describes the authority of the FAA Administrator. Subtitle VII, Aviation Programs, describes in more detail the scope of the Agency's authority.

We are issuing this rulemaking under the authority described in Subtitle VII, Part A, Subpart III, Section 44701, "General requirements." Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

Regulatory Findings

We have determined that this proposed AD would not have federalism implications under Executive Order 13132. This proposed AD would not have a substantial direct effect on the States, on the relationship between the national Government and the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify that the proposed regulation:

1. Is not a "significant regulatory action" under Executive Order 12866;
2. Is not a "significant rule" under the DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979); and
3. Will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

We prepared a regulatory evaluation of the estimated costs to comply with this proposed AD and placed it in the AD docket. See the ADDRESSES section for a location to examine the regulatory evaluation.

List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Safety.

The Proposed Amendment

Accordingly, under the authority delegated to me by the Administrator, the FAA proposes to amend 14 CFR part 39 as follows:

PART 39—AIRWORTHINESS DIRECTIVES

1. The authority citation for part 39 continues to read as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701.

§ 39.13 [Amended]

2. The Federal Aviation Administration (FAA) amends § 39.13 by adding the following new airworthiness directive (AD):

Boeing: Docket No. FAA-2007-28661; Directorate Identifier 2007-NM-013-AD.

Comments Due Date

(a) The FAA must receive comments on this AD action by August 24, 2007.

Affected ADs

(b) Accomplishing certain paragraphs of this AD terminates certain requirements of AD 2001-08-24, amendment 39-12201, and terminates certain requirements of AD 2002-24-51, amendment 39-12992.

Applicability

(c) This AD applies to Boeing Model 737-600, -700, -700C, -800, and -900 series airplanes, certificated in any category; as identified in Boeing Alert Service Bulletin 737-28A1248, dated December 21, 2006.

Note 1: This AD requires revisions to certain operator maintenance documents to include new inspections of the automatic shutoff system for the center tank fuel boost pumps. Compliance with these inspections is required by 14 CFR 43.16 and 91.403(c). For airplanes that have been previously modified, altered, or repaired in the areas addressed by these inspections, the operator may not be able to accomplish the inspections described in the revisions. In this situation, to comply with 14 CFR 91.403(c), the operator must request approval for an alternative method of compliance according to paragraph (p) of this AD. The request should include a description of changes to the required inspections that will ensure acceptable maintenance of the automatic shutoff system.

Unsafe Condition

(d) This AD results from fuel system reviews conducted by the manufacturer. We are issuing this AD to prevent center tank

fuel pump operation with continuous low pressure, which could lead to friction sparks or overheating in the fuel pump inlet or could create a potential ignition source inside the center fuel tank; these conditions, in combination with flammable fuel vapors, could result in a center fuel tank explosion and consequent loss of the airplane.

Compliance

(e) You are responsible for having the actions required by this AD performed within the compliance times specified, unless the actions have already been done.

Service Information References

(f) The term "Revision December 2005 of the MPD," as used in this AD, means the Boeing 737-600/700/700C/700IGW/800/900 Maintenance Planning Data (MPD) Document, D626A001-CMR, Section 9, Revision December 2005. The term "Revision May 2006 of the MPD," as used in this AD, means the Boeing 737-600/700/700C/700IGW/800/900 MPD Document, D626A001-CMR, Section 9, Revision May 2006. The term "service bulletin," as used in this AD, means the Accomplishment Instructions of the following service bulletins, as applicable:

(1) For installation of an automatic shutoff system required by paragraph (g) of this AD: Boeing Alert Service Bulletin 737-28A1206, dated January 11, 2006;

(2) For modification of the fuel control module assembly required by paragraph (i) of this AD: Boeing Component Service Bulletin 233A3202-28-03, dated January 12, 2006; and

(3) For installation of the secondary override pump control relays required by paragraph (l) of this AD: Boeing Alert Service Bulletin 737-28A1248, dated December 21, 2006.

Installation of Automatic Shutoff System for the Center Tank Fuel Boost Pumps

(g) For the airplanes identified in paragraph 1.A.1. of Boeing Alert Service Bulletin 737-28A1206, dated January 11, 2006: Within 36 months after the effective date of this AD, install an automatic shutoff system for the center tank fuel boost pumps, by accomplishing all of the actions specified in the applicable service bulletin. If a placard has been previously installed on the airplane in accordance with paragraph (h) of this AD, the placard may be removed from the flight deck of only that airplane after the automatic shutoff system has been installed. Installing automatic shutoff systems on all airplanes in an operator's fleet, in accordance with this paragraph, terminates the placard installation required by paragraph (h) of this AD, for all airplanes in an operator's fleet.

Placard Installation for Mixed Fleet Operation

(h) For the airplanes identified in paragraph 1.A.1. of Boeing Alert Service Bulletin 737-28A1206, dated January 11, 2006: Concurrently with installing an automatic shutoff system on any airplane in an operator's fleet, as required by paragraph (g) of this AD, install a placard adjacent to the pilot's primary flight display on all airplanes in the operator's fleet not equipped

with an automatic shutoff system for the center tank fuel boost pumps. The placard must read as follows (unless alternative placard wording is approved by an appropriate FAA Principal Operations Inspector):

"AD 2002-24-51 fuel usage restrictions required."

Installation of a placard in accordance with paragraph (e) of AD 2002-19-52, amendment 39-12900, is acceptable for compliance with the requirements of this paragraph. Installing an automatic shutoff system on an airplane, in accordance with paragraph (g) of this AD, terminates the placard installation required by this paragraph, for only that airplane. Installing automatic shutoff systems on all airplanes in an operator's fleet, in accordance with paragraph (g) of this AD, terminates the placard installation required by this paragraph, for all airplanes in an operator's fleet. If automatic shutoff systems are installed concurrently on all airplanes in an operator's fleet in accordance with paragraph (g) of this AD, or if operation according to the fuel usage restrictions of AD 2002-24-51 is maintained until automatic shutoff systems are installed on all airplanes in an operator's fleet, the placard installation specified in this paragraph is not required.

Concurrent Modification of P5-2 Fuel Control Module Assembly

(i) For the airplanes identified in paragraph 1.A.1. of Boeing Alert Service Bulletin 737-28A1206, dated January 11, 2006, equipped with any fuel control module assembly identified in paragraph 1.A.1. of Boeing Component Service Bulletin 233A3202-28-03, dated January 12, 2006: Before or concurrently with accomplishing the actions required by paragraph (g) of this AD, replace the left and right center boost pump switches of the P5-2 fuel control module assembly with new switches and change the wiring of the P5-2 fuel control module assembly, by accomplishing all the applicable actions specified in the applicable service bulletin.

Airplane Flight Manual (AFM) Revision

(j) For the airplanes identified in paragraph 1.A.1. of Boeing Alert Service Bulletin 737-28A1206, dated January 11, 2006: Concurrently with accomplishing the actions required by paragraph (g) of this AD, do the actions specified in paragraphs (j)(1) and (j)(2) of this AD.

(1) Revise Section 1 of the Limitations section of the Boeing 737-600/-700/-700C/-800/-900 AFM to include the following statement. This may be done by inserting a copy of this AD in the AFM.

"Intentional dry running of a center tank fuel pump (low pressure light illuminated) is prohibited."

Note 2: When a statement identical to that in paragraph (j)(1) of this AD has been included in the general revisions of the AFM, the general revisions may be inserted into the AFM, and the copy of this AD may be removed from the AFM.

(2) Revise Section 3 of the Normal Procedures section of the Boeing 737-600/-700/-700C/-800/-900 AFM to include the following statements. This may be done by inserting a copy of this AD in the AFM.

"Center Tank Fuel Pumps

Alternative Method of Compliance (AMOC) to AD 2001-08-24 and AD 2002-24-51 for Aircraft with the Automated Center Tank Fuel Pump Shutoff

Center tank fuel pumps must not be "ON" unless personnel are available in the flight deck to monitor low pressure lights.

For ground operation, center tank fuel pump switches must not be positioned "ON" unless the center tank fuel quantity exceeds 1000 pounds (453 kilograms), except when defueling or transferring fuel. Upon positioning the center tank fuel pump switches "ON" verify momentary illumination of each center tank fuel pump low pressure light.

For ground and flight operations, the corresponding center tank fuel pump switch must be positioned "OFF" when a center tank fuel pump low pressure light illuminates [1]. Both center tank fuel pump switches must be positioned "OFF" when the first center tank fuel pump low pressure light illuminates if the center tank is empty.

[1] When established in a level flight attitude, both center tank pump switches should be positioned "ON" again if the center tank contains usable fuel.

Defueling and Fuel Transfer

When transferring fuel or defueling center or main tanks, the fuel pump low pressure lights must be monitored and the fuel pumps positioned to "OFF" at the first indication of the fuel pump low pressure [1].

Defueling the main tanks with passengers on board is prohibited if the main tank fuel pumps are powered [2].

Defueling the main tanks with passengers on board is prohibited if the center tank fuel pumps are powered and the auto-shutoff system is inhibited [2].

[1] Prior to transferring fuel or defueling, conduct a lamp test of the respective fuel pump low pressure lights.

[2] Fuel may be transferred from tank to tank or the aircraft may be defueled with passengers on board, provided fuel quantity in the tank from which fuel is being taken is maintained at or above 2000 pounds (900 kilograms)."

Note 3: When statements identical to those in paragraph (j)(2) of this AD have been included in the general revisions of the AFM, the general revisions may be inserted into the AFM, and the copy of this AD may be removed from the AFM.

Airworthiness Limitations (AWLs) Revision for AWL No. 28-AWL-19

(k) For the airplanes identified in paragraph 1.A.1. of Boeing Alert Service Bulletin 737-28A1206, dated January 11, 2006: Concurrently with installing an automatic shutoff system in accordance with paragraph (g) of this AD, revise the AWLs section of the Instructions for Continued Airworthiness by incorporating AWL No. 28-AWL-19 of Subsection F of Revision December 2005 of the MPD into the MPD. Accomplishing the revision in accordance with a later revision of the MPD is an acceptable method of compliance if the revision is approved by the Manager, Seattle Aircraft Certification Office (ACO), FAA.

Installation of Secondary Override Pump Control Relays

(l) For the airplanes identified in paragraph 1.A.1. of Boeing Alert Service Bulletin 737-28A1248, dated December 21, 2006: Within 60 months after the effective date of this AD, install two secondary override fuel pump control relays to each existing primary override fuel pump control relay for the center fuel tank fuel boost pumps, in accordance with the applicable service bulletin.

AWLs Revision for AWL No. 28-AWL-23

(m) For the airplanes identified in paragraph 1.A.1. of Boeing Alert Service Bulletin 737-28A1248, dated December 21, 2006: Concurrently with installing the secondary override pump control relays in accordance with paragraph (l) of this AD, revise the AWLs section of the Instructions for Continued Airworthiness by incorporating AWL No. 28-AWL-23 of Subsection F of Revision May 2006 of the MPD into the MPD. Accomplishing the revision in accordance with a later revision of the MPD is an acceptable method of compliance if the revision is approved by the Manager, Seattle ACO.

Terminating Action for AD 2001-08-24

(n) Accomplishing the actions required by paragraphs (g), (h), (i), (j), and (k) of this AD terminates the requirements of paragraph (a) of AD 2001-08-24 for Model 737-600, -700, -700C, -800, and -900 series airplanes that have the automatic shutoff system installed. After accomplishing the actions required by paragraphs (g), (h), (i), (j), and (k) of this AD, the AFM limitation required by paragraph (a) of AD 2001-08-24 may be removed from the AFM for those airplanes.

Terminating Action for AD 2002-24-51

(o) Accomplishing the actions required by paragraphs (g), (h), (i), (j), and (k) of this AD terminates the requirements of paragraph (b) of AD 2002-24-51 for Model 737-600, -700, -700C, -800, and -900 series airplanes that have the automatic shutoff system installed. After accomplishing the actions required by paragraphs (g), (h), (i), (j), and (k) of this AD, the AFM limitations required by paragraph (b) of AD 2002-24-51 may be removed from the AFM for those airplanes.

Alternative Methods of Compliance (AMOCs)

(p)(1) The Manager, Seattle ACO, has the authority to approve AMOCs for this AD, if requested in accordance with the procedures found in 14 CFR 39.19.

(2) To request a different method of compliance or a different compliance time for this AD, follow the procedures in 14 CFR 39.19. Before using any approved AMOC on any airplane to which the AMOC applies, notify your appropriate principal inspector (PI) in the FAA Flight Standards District Office (FSDO), or lacking a PI, your local FSDO.

Issued in Renton, Washington, on June 26, 2007.

Ali Bahrami,

Manager, Transport Airplane Directorate,
Aircraft Certification Service.

[FR Doc. E7-13326 Filed 7-9-07; 8:45 am]

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DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA-2007-28662; Directorate Identifier 2007-NM-014-AD]

RIN 2120-AA64

Airworthiness Directives; Boeing Model 737-600, -700, -700C, -800 and -900 Series Airplanes; and Model 757-200, -200PF, -200CB, and -300 Series Airplanes

AGENCY: Federal Aviation Administration (FAA), Department of Transportation (DOT).

ACTION: Notice of proposed rulemaking (NPRM).

SUMMARY: The FAA proposes to adopt a new airworthiness directive (AD) for certain Boeing airplanes, identified above. This proposed AD would require inspecting to determine if certain motor-operated shutoff valve actuators for the fuel tanks are installed, and related investigative and corrective actions if necessary. This proposed AD would also require revising the Airworthiness Limitations (AWLs) section of the Instructions for Continued Airworthiness to incorporate AWL No. 28-AWL-21, No. 28-AWL-22, and No. 28-AWL-24 (for Model 737-600, -700, -700C, -800 and -900 series airplanes), and No. 28-AWL-23, No. 28-AWL-24, and No. 28-AWL-25 (for Model 757-200, -200PF, -200CB, and -300). This proposed AD results from a design review of the fuel tank systems. We are proposing this AD to prevent electrical energy from lightning, hot shorts, or fault current from entering the fuel tank through the actuator shaft, which could result in fuel tank explosions and consequent loss of the airplane.

DATES: We must receive comments on this proposed AD by August 24, 2007.

ADDRESSES: Use one of the following addresses to submit comments on this proposed AD.

- DOT Docket Web site: Go to <http://dms.dot.gov> and follow the instructions for sending your comments electronically.

- Government-wide rulemaking Web site: Go to <http://www.regulations.gov>

and follow the instructions for sending your comments electronically.

- Mail: U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue, SE., Washington, DC 20590.

- Fax: (202) 493-2251.

- Hand Delivery: Room W12-140 on the ground floor of the West Building, 1200 New Jersey Avenue, SE., Washington, DC, between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

Contact Boeing Commercial Airplanes, P.O. Box 3707, Seattle, Washington 98124-2207, for the service information identified in this proposed AD.

FOR FURTHER INFORMATION CONTACT: Judy Coyle, Aerospace Engineer, Propulsion Branch, ANM-140S, FAA, Seattle Aircraft Certification Office, 1601 Lind Avenue, SW., Renton, Washington 98057-3356; telephone (425) 917-6497; fax (425) 917-6590.

SUPPLEMENTARY INFORMATION:

Comments Invited

We invite you to submit any relevant written data, views, or arguments regarding this proposed AD. Send your comments to an address listed in the **ADDRESSES** section. Include the docket number "FAA-2007-28662; Directorate Identifier 2007-NM-014-AD" at the beginning of your comments. We specifically invite comments on the overall regulatory, economic, environmental, and energy aspects of the proposed AD. We will consider all comments received by the closing date and may amend the proposed AD in light of those comments.

We will post all comments we receive, without change, to <http://dms.dot.gov>, including any personal information you provide. We will also post a report summarizing each substantive verbal contact with FAA personnel concerning this proposed AD. Using the search function of that Web site, anyone can find and read the comments in any of our dockets, including the name of the individual who sent the comment (or signed the comment on behalf of an association, business, labor union, etc.). You may review DOT's complete Privacy Act Statement in the **Federal Register** published on April 11, 2000 (65 FR 19477-78), or you may visit <http://dms.dot.gov>.

Examining the Docket

You may examine the AD docket on the Internet at <http://dms.dot.gov>, or in person at the Docket Operations office