

provides an acceptable level of safety may be used if approved by the Manager, International Branch, ANM-116, FAA, Transport Airplane Directorate. Operators shall submit their requests through an appropriate FAA Principal Maintenance Inspector, who may add comments and then send it to the Manager, International Branch, ANM-116.

**Note 4:** Information concerning the existence of approved alternative methods of compliance with this AD, if any, may be obtained from the International Branch, ANM-116.

(d) Special flight permits may be issued in accordance with sections 21.197 and 21.199 of the Federal Aviation Regulations (14 CFR 21.197 and 21.199) to operate the airplane to a location where the requirements of this AD can be accomplished.

**Note 5:** The subject of this AD is addressed in British airworthiness directive 005-12-96.

Issued in Renton, Washington, on September 1, 1998.

**Darrell M. Pederson,**

*Acting Manager, Transport Airplane Directorate, Aircraft Certification Service.*

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## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 39

[Docket No. 98-NM-223-AD]

RIN 2120-AA64

#### Airworthiness Directives; Boeing Model 747 Series Airplanes

**AGENCY:** Federal Aviation Administration, DOT.

**ACTION:** Notice of proposed rulemaking (NPRM).

**SUMMARY:** This document proposes the adoption of a new airworthiness directive (AD) that is applicable to certain Boeing Model 747 series airplanes. This proposal would require a one-time detailed visual inspection to detect improperly installed or frayed aileron cables, and a one-time detailed visual inspection to detect improper identification or location of the cable markers, and corrective actions, if necessary. This proposal is prompted by a report that an aileron cable failed, due to improper installation onto the wrong groove of an aileron cable drum. The actions specified by the proposed AD are intended to detect and correct an improperly installed aileron cable; such installation could lead to the failure of the aileron cable, and consequent reduced lateral control capability of the airplane.

**DATES:** Comments must be received by October 23, 1998.

**ADDRESSES:** Submit comments in triplicate to the Federal Aviation Administration (FAA), Transport Airplane Directorate, ANM-114, Attention: Rules Docket No. 98-NM-223-AD, 1601 Lind Avenue, SW., Renton, Washington 98055-4056. Comments may be inspected at this location between 9:00 a.m. and 3:00 p.m., Monday through Friday, except Federal holidays.

The service information referenced in the proposed rule may be obtained from Boeing Commercial Airplane Group, P.O. Box 3707, Seattle, Washington 98124-2207. This information may be examined at the FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington.

**FOR FURTHER INFORMATION CONTACT:** Tamara L. Anderson, Aerospace Engineer, Airframe Branch, ANM-120S, FAA, Seattle Aircraft Certification Office, 1601 Lind Avenue, SW., Renton, Washington; telephone (425) 227-2771; fax (425) 227-1181.

#### SUPPLEMENTARY INFORMATION:

##### Comments Invited

Interested persons are invited to participate in the making of the proposed rule by submitting such written data, views, or arguments as they may desire. Communications shall identify the Rules Docket number and be submitted in triplicate to the address specified above. All communications received on or before the closing date for comments, specified above, will be considered before taking action on the proposed rule. The proposals contained in this notice may be changed in light of the comments received.

Comments are specifically invited on the overall regulatory, economic, environmental, and energy aspects of the proposed rule. All comments submitted will be available, both before and after the closing date for comments, in the Rules Docket for examination by interested persons. A report summarizing each FAA-public contact concerned with the substance of this proposal will be filed in the Rules Docket.

Commenters wishing the FAA to acknowledge receipt of their comments submitted in response to this notice must submit a self-addressed, stamped postcard on which the following statement is made: "Comments to Docket Number 98-NM-223-AD." The postcard will be date stamped and returned to the commenter.

## Availability of NPRMs

Any person may obtain a copy of this NPRM by submitting a request to the FAA, Transport Airplane Directorate, ANM-103, Attention: Rules Docket No. 98-NM-223-AD, 1601 Lind Avenue, SW., Renton, Washington 98055-4056.

## Discussion

The FAA has received a report indicating that an operator of a Boeing Model 747 series airplane experienced a failure of a wing aileron control cable (AA-11) during the taxi-out phase of operations. An adjacent aileron cable (AB-13) also was found to be severely frayed. An investigation attributed the aileron cable failure and cable fraying to the improper installation of the aileron cables onto the aileron cable drum. Specifically, the improper installation consisted of both aileron cables being installed into the wrong grooves of the aileron cable drum. This allowed the aileron cables to make contact with the forward guide pin of the aileron cable drum, which in turn led to the fraying of the cables.

The misrouting of the aileron cables on the incident airplane was probably related to the fact that certain aileron cable markers, which are merely decals that the manufacturer uses as guides for installation, were installed incorrectly. Further investigation indicated that as many as eight other airplanes also had aileron cable markers that had been installed incorrectly. In addition, at least three other airplanes have experienced excessive aileron cable wear due to misrouting of the aileron cables during installation. An improperly installed aileron cable, if not corrected, could lead to the eventual failure of an aileron cable, and consequent reduced lateral control capability of the airplane.

## Explanation of Relevant Service Information

The FAA has reviewed and approved Boeing Service Bulletin 747-27-2367, dated June 25, 1998, which describes procedures for performing a one-time detailed visual inspection to detect improper installation or fraying of the aileron cables, and a one-time detailed visual inspection to detect improper identification or location of the associated aileron cable markers, and corrective actions, if necessary. The corrective actions include replacing frayed cables with new cables, and rerouting misrouted aileron cables; and replacing any incorrectly installed aileron cable markers with new markers.

## Explanation of Requirements of Proposed Rule

Since an unsafe condition has been identified that is likely to exist or develop on other products of this same type design, the proposed AD would require accomplishment of the actions specified in the service bulletin described previously. The proposed AD also would require that operators report the results of adverse inspection findings to the FAA.

### Cost Impact

There are approximately 1,053 Boeing Model 747 series airplanes of the affected design in the worldwide fleet. The FAA estimates that 228 airplanes of U.S. registry would be affected by this proposed AD.

It would take approximately 9 work hours per airplane to accomplish the proposed detailed visual inspections, at an average labor rate of \$60 per work hour. Based on these figures, the cost impact of the proposed AD on U.S. operators is estimated to be \$123,120, or \$540 per airplane.

The cost impact figure discussed above is based on assumptions that no operator has yet accomplished any of the proposed requirements of this AD action, and that no operator would accomplish those actions in the future if this AD were not adopted.

### Regulatory Impact

The regulations proposed herein would not have substantial direct effects 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. Therefore, in accordance with Executive Order 12612, it is determined that this proposal would not have sufficient federalism implications to warrant the preparation of a Federalism Assessment.

For the reasons discussed above, I certify that this 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) if promulgated, 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. A copy of the draft regulatory evaluation prepared for this action is contained in the Rules Docket. A copy of it may be obtained by contacting the Rules Docket at the location provided under the caption ADDRESSES.

## List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Safety.

### The Proposed Amendment

Accordingly, pursuant to the authority delegated to me by the Administrator, the Federal Aviation Administration proposes to amend part 39 of the Federal Aviation Regulations (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. Section 39.13 is amended by adding the following new airworthiness directive:

**Boeing:** Docket 98-NM-223-AD.

**Applicability:** Model 747 series airplanes, line numbers 1 through 1129 inclusive, excluding line number 1122; certificated in any category.

**Note 1:** This AD applies to each airplane identified in the preceding applicability provision, regardless of whether it has been modified, altered, or repaired in the area subject to the requirements of this AD. For airplanes that have been modified, altered, or repaired so that the performance of the requirements of this AD is affected, the owner/operator must request approval for an alternative method of compliance in accordance with paragraph (c) of this AD. The request should include an assessment of the effect of the modification, alteration, or repair on the unsafe condition addressed by this AD; and, if the unsafe condition has not been eliminated, the request should include specific proposed actions to address it.

**Compliance:** Required as indicated, unless accomplished previously.

To detect and correct an improperly installed aileron cable, which could lead to the failure of the aileron cable, and consequent reduced lateral control capability of the airplane, accomplish the following:

(a) Within 18 months after the effective date of this AD, perform a one-time detailed visual inspection to detect improper installation or fraying of the aileron cables on both wings. In addition, perform a one-time detailed visual inspection of the aileron cable markers on both wings to detect improper identification or location. Perform both inspections in accordance with the Accomplishment Instructions of Boeing Service Bulletin 747-27-2367, dated June 25, 1998.

(1) If no improperly installed or frayed aileron cable is found, and if no aileron cable marker is improperly identified or located, no further action is required by this AD.

(2) If any aileron cable is found to be improperly installed (but not frayed), prior to further flight, reroute the discrepant aileron cable in accordance with the Accomplishment Instructions of the service bulletin.

(3) If any aileron cable is found to be frayed, prior to further flight, replace the discrepant aileron cable with a new aileron cable in accordance with the Accomplishment Instructions of the service bulletin.

(4) If any aileron cable marker is found to be improperly identified or located, prior to further flight, replace the discrepant aileron cable marker with a new aileron cable marker in accordance with the Accomplishment Instructions of the service bulletin.

(b) Within 10 days after accomplishing the detailed visual inspections required by paragraph (a) of this AD, submit a report of the inspection results (adverse findings only) to the Manager, Boeing Certificate Management Office, FAA, Transport Airplane Directorate, 2500 East Valley Road, Suite C2, Renton, Washington 98055; fax (425) 227-1159. Required information for each report must include the following:

description of the adverse finding, airplane serial number, and total flight cycles and flight hours accumulated at the time of the inspection. Information collection requirements contained in this regulation have been approved by the Office of Management and Budget (OMB) under the provisions of the Paperwork Reduction Act of 1980 (44 U.S.C. 3501 *et seq.*) and have been assigned OMB Control Number 2120-0056.

(c) An alternative method of compliance or adjustment of the compliance time that provides an acceptable level of safety may be used if approved by the Manager, Seattle Aircraft Certification Office (ACO), FAA, Transport Airplane Directorate. Operators shall submit their requests through an appropriate FAA Principal Maintenance Inspector, who may add comments and then send it to the Manager, Seattle ACO.

**Note 2:** Information concerning the existence of approved alternative methods of compliance with this AD, if any, may be obtained from the Seattle ACO.

(d) Special flight permits may be issued in accordance with sections 21.197 and 21.199 of the Federal Aviation Regulations (14 CFR 21.197 and 21.199) to operate the airplane to a location where the requirements of this AD can be accomplished.

Issued in Renton, Washington, on September 1, 1998.

**Darrell M. Pederson,**

*Acting Manager, Transport Airplane Directorate, Aircraft Certification Service.*  
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## TENNESSEE VALLEY AUTHORITY

### 18 CFR Part 1301

## Revision of Tennessee Valley Authority Freedom of Information Act Regulations and Implementation of Electronic Freedom of Information Act Amendments of 1996

**AGENCY:** Tennessee Valley Authority.

**ACTION:** Proposed rule.