

accordance with Part II of the service bulletin.

(v) Within 10,000 flight cycles after accomplishment of the time-limited repair: Make the repair permanent in accordance with Part III of the Accomplishment Instructions of the service bulletin. Permanent repair of an area terminates the repetitive inspections specified in this AD for that repaired area only.

(2) Do a permanent repair (including an inspection using external subsurface eddy current or magneto optical imaging methods to detect cracks at the chem-milled step in each adjacent bay of the fuselage skin, a detailed inspection of the skin in the area of the repair for corrosion and doubler disbonding, and applicable corrective action) of the cracked area, in accordance with Part II of the Accomplishment Instructions of the service bulletin. Permanent repair of an area terminates the repetitive inspections specified in this AD for that repaired area only.

#### Exceptions to Service Bulletin Procedures

(e) During any inspection required by this AD, if any discrepancy (including cracking) is detected for which the service bulletin specifies to contact Boeing for appropriation action: Before further flight, repair in accordance with a method approved by the Manager, Seattle ACO; or in accordance with data meeting the type certification basis of the airplane approved by a Boeing Company Designated Engineering Representative who has been authorized by the Manager, Seattle ACO, to make such findings. For a repair method to be approved, as required by this paragraph, the approval letter must specifically refer to this AD.

(f) Although Boeing Service Bulletin 737-53-1065, Revision 2, dated April 19, 2001, recommends that cracks found in Zone 2 be reported to Boeing, this AD does not require such a report.

#### Alternative Methods of Compliance

(g)(1) In accordance with 14 CFR 39.19, the Manager, Seattle ACO, FAA, is authorized to approve alternative methods of compliance (AMOCs) for this AD.

(2) An AMOC that provides an acceptable level of safety may be used for any repair required by this AD, if it is approved by a Boeing Company Designated Engineering Representative who has been authorized by the Manager, Seattle ACO, to make such findings.

Issued in Renton, Washington, on December 30, 2003.

**Michael J. Kaszycki,**

*Acting Manager, Transport Airplane Directorate, Aircraft Certification Service.*  
[FR Doc. 04-272 Filed 1-6-04; 8:45 am]

**BILLING CODE 4910-13-P**

## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 39

[Docket No. 2001-NM-226-AD]

RIN 2120-AA64

#### Airworthiness Directives; McDonnell Douglas MD-90-30 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 McDonnell Douglas Model MD-90-30 airplanes. For some airplanes, the proposal would require replacing one 3-phase limiter block assembly, 6 current limiters, and hardware for 9 electrical cables with new parts. For other airplanes, this proposal would require inspecting 6 current limiters and 3 spare current limiters and replacing any defective current limiters with new current limiters. These actions are necessary to prevent overheating of the terminal studs on the 3-phase limiter blocks and associated current limiters, which could cause a fire in the airplane. This action is intended to address the identified unsafe condition.

**DATES:** Comments must be received by February 23, 2004.

**ADDRESSES:** Submit comments in triplicate to the Federal Aviation Administration (FAA), Transport Airplane Directorate, ANM-114, Attention: Rules Docket No. 2001-NM-226-AD, 1601 Lind Avenue, SW., Renton, Washington 98055-4056. Comments may be inspected at this location between 9 a.m. and 3 p.m., Monday through Friday, except Federal holidays. Comments may be submitted via fax to (425) 227-1232. Comments may also be sent via the Internet using the following address: [9-anm-nprmcomment@faa.gov](mailto:9-anm-nprmcomment@faa.gov). Comments sent via fax or the Internet must contain "Docket No. 2001-NM-226-AD in the subject line and need not be submitted in triplicate. Comments sent via the Internet as attached electronic files must be formatted in Microsoft Word 97 for Windows or ASCII text.

The service information referenced in the proposed rule may be obtained from Boeing Commercial Aircraft Group, Long Beach Division, 3855 Lakewood Boulevard, Long Beach, California 90846, Attention: Data and Service Management, Dept. C1-L5A (D800-0024). This information may be

examined at the FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington or at the FAA, Los Angeles Aircraft Certification Office, 3960 Paramount Boulevard, Lakewood, California.

#### FOR FURTHER INFORMATION CONTACT:

George Mabuni, Aerospace Engineer, Systems and Equipment Branch, ANM-130L, FAA, Los Angeles Aircraft Certification Office, 3960 Paramount Boulevard, Lakewood, California 90712-4137; telephone (562) 627-5341; fax (562) 627-5210.

#### 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 action may be changed in light of the comments received.

Submit comments using the following format:

- Organize comments issue-by-issue. For example, discuss a request to change the compliance time and a request to change the service bulletin reference as two separate issues.
- For each issue, state what specific change to the proposed AD is being requested.
- Include justification (*e.g.*, reasons or data) for each request.

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 action must submit a self-addressed, stamped postcard on which the following statement is made: "Comments to Docket Number 2001-NM-226-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-114, Attention: Rules Docket No. 2001-NM-226-AD, 1601 Lind Avenue, SW., Renton, Washington 98055-4056.

### Discussion

The FAA has received reports of overheating of the terminal studs on the 3-phase limiter block and associated current limiters on MD-90 airplanes. Investigation has determined that incorrect manufacturing or assembly procedures were used during manufacture of the 3-phase limiter blocks or the current limiters. If the defective 3-phase limiter blocks or current limiters are not replaced, overheating of the terminal studs on the 3-phase limiter blocks and associated current limiters could occur. Overheating of the terminal studs causes the casing of the current limiters attached to the limiter block to melt and deform. Such overheating could cause a fire in the airplane.

### Explanation of Relevant Service Information

The FAA has reviewed and approved McDonnell Douglas Alert Service Bulletin MD90-24A031, Revision 01, dated February 28, 2001, which describes procedures for replacing (1) The 3-phase limiter block assembly, (2) the 6 current limiters and attaching parts located on the limiter block, and (3) hardware for 9 electrical cables attached to the limiter block.

The FAA has also reviewed and approved McDonnell Douglas Alert Service Bulletin MD90-24A043, Revision 01, dated March 12, 2001, which describes procedures for (1) inspecting the 6 current limiters and attaching hardware and the 3 spare current limiters located in the electrical power center and (2) replacing the current limiters which have manufacturing defects with new current limiters. This service bulletin specifies that the actions required by McDonnell Douglas Alert Service Bulletin MD90-24A031, Revision 01, dated February 28, 2001, are to be accomplished prior to or concurrent with those described in McDonnell Douglas Alert Service Bulletin MD90-24A043, Revision 01, dated March 12, 2001.

Accomplishment of the actions specified in the service bulletins is intended to adequately address the identified unsafe condition.

### 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 bulletins described previously, except as indicated below.

### Difference Between Proposed Rule and Reference Service Bulletin

Operators should note that, although the Accomplishment Instructions of the referenced alert service bulletins describe procedures for recording certain data regarding replacement of the 3-phase limiter block assembly and forwarding the data to the FAA, this proposed AD would not require those actions. The FAA does not need this information from operators.

### Cost Impact

There are approximately 29 airplanes in the worldwide fleet which are listed in McDonnell Douglas Alert Service Bulletin MD90-24A031, Revision 01, dated February 28, 2001. The FAA estimates that 18 airplanes of U.S. registry would be affected by this proposed AD, that it would take approximately 3 work hours per airplane to accomplish the actions proposed in paragraph (b) of this AD, and that the average labor rate is \$65 per work hour. Based on these figures, the cost impact of the actions proposed in paragraph (b) of this AD on U.S. operators is estimated to be \$5,655, or \$195 per airplane.

There are approximately 4 airplanes in the worldwide fleet which are listed in McDonnell Douglas Alert Service Bulletin MD90-24A031, Revision 01, dated February 28, 2001, and are also listed as Group 1 airplanes in McDonnell Douglas Alert Service Bulletin MD90-24A043, Revision 01, dated March 12, 2001. None of those airplanes are on the U.S. registry.

There are approximately 5 airplanes in the worldwide fleet which are listed as Group 2 airplanes in McDonnell Douglas Alert Service Bulletin MD90-24A043, Revision 01, dated March 12, 2001. The FAA estimates that one airplane of U.S. registry would be affected by this proposed AD, that it would take approximately 3 work hours per airplane to accomplish the actions proposed in paragraph (c) of this AD, and that the average labor rate is \$65 per work hour. The manufacturer may cover the cost of replacement parts associated with this proposed AD, subject to warranty conditions. Based on these figures, the cost impact of the actions proposed in paragraph (c) of this AD on U.S. operators is estimated to be \$195.

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 proposed AD were not adopted. The cost impact figures discussed in AD rulemaking actions represent only the time necessary to perform the specific actions actually required by the AD. These figures typically do not include incidental costs, such as the time required to gain access and close up, planning time, or time necessitated by other administrative actions.

### Regulatory Impact

The regulations proposed herein 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. Therefore, it is determined that this proposal would not have federalism implications under Executive Order 13132.

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:

**McDonnell Douglas:** Docket 2001-NM-226-AD.

*Applicability:* Model MD-90-30 airplanes, as listed in McDonnell Douglas Alert Service Bulletin MD90-24A031, Revision 01, dated February 28, 2001, or McDonnell Douglas Alert Service Bulletin MD90-24A043, Revision 01, dated March 12, 2001; certificated in any category.

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

To prevent overheating of the terminal studs on the 3-phase limiter blocks and associated current limiters, which could cause a fire in the airplane, accomplish the following:

#### Inspection and Replacement

(a) For those airplanes listed as Group 1 airplanes in McDonnell Douglas Alert Service Bulletin MD90-24A043, Revision 01, dated March 12, 2001, which are also listed in McDonnell Douglas Alert Service Bulletin MD90-24A031, Revision 01, dated February 28, 2001: Within 6 months after the effective date of this AD, accomplish the following actions:

(1) Inspect the 3 spare current limiters located in the electrical power center (EPC) in accordance with the Accomplishment Instructions of McDonnell Douglas Alert Service Bulletin MD90-24A043, Revision 01, dated March 12, 2001. If the inspection reveals that any of the current limiters located in the electrical power unit are defective, before further flight replace the defective current limiter(s) with new current limiter(s) in accordance with the alert service bulletin.

(2) Prior to or concurrent with accomplishment of paragraph (a)(1) of this AD, accomplish the following actions in accordance with McDonnell Douglas Alert Service Bulletin MD90-24A031, Revision 01, dated February 28, 2001:

(i) Replace the 3-phase limiter block assembly and associated clear cover of the EPC with a serialized 3-phase limiter block assembly and a new clear cover.

(ii) Replace the six current limiters and attaching parts on the limiter block with new current limiters and attaching parts.

(iii) Replace hardware for nine electrical cables attached to the limiter block with new attaching hardware.

#### Replacement

(b) For those airplanes listed in McDonnell Douglas Alert Service Bulletin MD90-24A031, Revision 01, dated February 28, 2001: Within 6 months after the effective date of this AD, accomplish the following actions in accordance with the Accomplishment Instructions of the alert service bulletin:

(1) Replace the 3-phase limiter block assembly and associated clear cover of the EPC with a serialized 3-phase limiter block assembly and a new clear cover.

(2) Replace the six current limiters and attaching parts on the limiter block with new current limiters and attaching parts.

(3) Replace hardware for nine electrical cables attached to the limiter block with new attaching hardware.

#### Other Inspection

(c) For those airplanes listed as Group 2 airplanes in McDonnell Douglas Alert Service Bulletin MD90-24A043, Revision 01, dated March 12, 2001: Within 6 months after the effective date of this AD, accomplish the following actions in accordance with the Accomplishment Instructions of the alert service bulletin.

(1) Inspect the 6 current limiters and attaching hardware on the 3-phase limiter blocks and the 3 spare current limiters

located in the EPC to determine whether any of the current limiters are defective.

(2) If the inspection required by paragraph (c)(1) of this AD reveals that any of the current limiters are defective, before further flight replace the defective current limiters with new current limiters, in accordance with Figure 1 of the Accomplishment Instructions.

#### Parts Installation

(d) As of the effective date of this AD, no person shall install on any airplane a Tri-Star 3-phase limiter block assembly having part number (P/N) C-1301-3 or a Burndy 3-phase limiter block assembly having P/N F6H-2, unless that 3-phase limiter block assembly has serial number 3015 or higher.

#### Information Submission

(e) Although the service bulletin referenced in this AD specifies that certain information is to be submitted to the FAA, this AD does not include such a requirement.

#### Alternative Methods of Compliance

(f) In accordance with 14 CFR 39.19, the Manager, Los Angeles ACO, FAA, is authorized to approve alternative methods of compliance for this AD.

**Note 1:** Information concerning the existence of approved alternative methods of compliance with this AD, if any, may be obtained from the Los Angeles ACO.

Issued in Renton, Washington, on December 30, 2003.

**Michael J. Kaszycki,**

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