

Proposed Rules

Federal Register

Vol. 75, No. 234

Tuesday, December 7, 2010

This section of the FEDERAL REGISTER contains notices to the public of the proposed issuance of rules and regulations. The purpose of these notices is to give interested persons an opportunity to participate in the rule making prior to the adoption of the final rules.

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA-2010-1192; Directorate Identifier 2010-CE-020-AD]

RIN 2120-AA64

Airworthiness Directives; Viking Air Limited (Type Certificate No. A-815 Formerly Held by Bombardier Inc. and de Havilland, Inc.) Model DHC-3 Airplanes

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Notice of proposed rulemaking (NPRM).

SUMMARY: We propose to adopt a new airworthiness directive (AD) for the products listed above. This proposed AD would require repetitively inspecting the elevator control tabs for discrepancies and, if any discrepancies are found, taking necessary corrective actions to bring all discrepancies within acceptable tolerances. This proposed AD results from an evaluation of revisions to the manufacturer's maintenance manual that adds new repetitive inspections of the elevator control tabs. To require compliance with these inspections for U.S. owners and operators we are proposing the inspections through the rulemaking process. We are proposing this AD to add new repetitive inspections of the elevator control tabs. If these inspections are not done, excessive free-play in the elevator control tabs could develop. This condition could lead to loss of tab control linkage and severe elevator flutter. Such elevator flutter could lead to possible loss of control.

DATES: We must receive comments on this proposed AD by January 21, 2011.

ADDRESSES: You may send comments by any of the following methods:

- *Federal eRulemaking Portal:* Go to <http://www.regulations.gov>. Follow the instructions for submitting comments.

- *Fax:* 202-493-2251.

- *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.

- *Hand Delivery:* Deliver to Mail address above between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

For information about the revisions to the FAA-approved maintenance/inspection program identified in this proposed AD, contact Viking Air Ltd., 9574 Hampden Road, Sidney, BC Canada V8L 5V5; telephone: (800) 663-8444; Internet:

<http://www.vikingair.com>. You may review copies of the referenced revisions at the FAA, Small Airplane Directorate, 901 Locust, Kansas City, Missouri 64106. For information on the availability of this material at the FAA, call 816-329-4148.

Examining the AD Docket

You may examine the AD docket on the Internet at <http://www.regulations.gov>; or in person at the Docket Management Facility between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this proposed AD, the regulatory evaluation, any comments received, and other information. The street address for the Docket Office (phone: 800-647-5527) is in the **ADDRESSES** section. Comments will be available in the AD docket shortly after receipt.

FOR FURTHER INFORMATION CONTACT:

George Duckett, Aerospace Engineer, New York Aircraft Certification Office, FAA, 1600 Stewart Avenue, Suite 410, Westbury, New York 11590; telephone: (516) 228-7325; fax: (516) 794-5531; email: george.duckett@faa.gov.

SUPPLEMENTARY INFORMATION:

Comments Invited

We invite you to send any written relevant data, views, or arguments about this proposal. Send your comments to an address listed under the **ADDRESSES** section. Include "Docket No. FAA-2010-1192; Directorate Identifier 2010-CE-020-AD" at the beginning of your comments. We specifically invite comments on the overall regulatory, economic, environmental, and energy aspects of this proposed AD. We will consider all comments received by the closing date and may amend this

proposed AD because of those comments.

We will post all comments we receive, without change, to <http://www.regulations.gov>, including any personal information you provide. We will also post a report summarizing each substantive verbal contact we receive about this proposed AD.

Discussion

Viking Aircraft Limited has issued revisions to the DHC-3 Otter maintenance manual (PSM No. 1-3-2) to add a new inspection of the elevator control tabs every 100 hours time-in-service. To require compliance with these inspections for U.S. owners and operators the inspection must be mandated through the rulemaking process.

These inspections, if not done, could result in excessive free-play in the elevator control tabs. This condition, if not detected and corrected, could lead to loss of tab control linkage and severe elevator flutter. Such elevator flutter could lead to possible loss of control.

We are continuing to evaluate the cause of the unsafe condition identified in this proposed AD to enable us to obtain better insight into the nature, cause, and extent of excessive free-play in the elevator control tabs. Based on this evaluation, we may consider further rulemaking.

FAA's Determination

We are proposing this AD because we evaluated all the relevant information and determined the unsafe condition described previously is likely to exist or develop in other products of the same type design.

Proposed AD Requirements

This proposed AD would require repetitively inspecting the elevator control tabs for discrepancies and, if any discrepancies are found, taking necessary corrective actions to bring all discrepancies within acceptable tolerances.

We are also proposing a reporting requirement requesting information when the total maximum free play of the elevator servo tab and trim tab relative to the elevator exceeds 1.0 degree (this is equal to a maximum displacement of 0.070" at the trailing edge of the servo tab). Collecting this information will help us better understand the service history related to

excessive free-play in the elevator control tabs for various Model DHC-3 engine configurations.

Costs of Compliance

We estimate that this proposed AD affects 65 airplanes of U.S. registry.

We estimate the following costs to comply with this proposed AD:

ESTIMATED COSTS

Action	Labor cost	Parts cost	Cost per product	Cost on U.S. operators
Inspection	1 work-hour × \$85 per hour = \$85 per inspection cycle.	Not applicable	\$85 per inspection cycle.	\$5,525 per inspection cycle.

We estimate the following costs to do any necessary follow-on actions that would be required based on the results

of the proposed inspection. We have no way of determining the number of

airplanes that may need this repair/replacement:

ON-CONDITION COSTS

Action	Labor cost	Parts cost	Cost per product
Minimum repair	1 work-hour × \$85 per hour = \$85	\$50	\$135
Moderate repair	3 work-hours × \$85 per hour = \$255	150	405
Maximum repair	6 work-hours × \$85 per hour = \$510	450	960

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 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 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),

(3) Will not affect intrastate aviation in Alaska, and

(4) 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.

List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Incorporation by reference, 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 FAA amends § 39.13 by adding the following new airworthiness directive (AD):

Viking Air Limited (Type Certificate No. A-815 Formerly Held by Bombardier Inc. and de Havilland, Inc.): Docket No. FAA-2010-1192; Directorate Identifier 2010-CE-020-AD.

Comments Due Date

(a) We must receive comments by January 21, 2011.

Affected ADs

(b) None.

Applicability

(c) This AD applies to Viking Air Limited (type certificate No. A-815 formerly held by Bombardier Inc. and de Havilland, Inc.) Model DHC-3 airplanes, all serial numbers, that:

(1) do not have the new elevator servo tab and redundant control linkage installed according to Supplemental Type Certificate (STC) No. SA01059SE; and

(2) are certificated in any category.

Subject

(d) Joint Aircraft System Component (JASC)/Air Transport Association (ATA) of America Code 27, Flight Controls.

Unsafe Condition

(e) This AD results from an evaluation of revisions to the manufacturer’s maintenance manual that adds new repetitive inspections to the elevator control tabs. To require compliance with these inspections for U.S. owners and operators we are mandating these inspections through the rulemaking process. We are issuing this AD to add new repetitive inspections of the elevator control tabs. If these inspections are not done, excessive free-play in the elevator control tabs could develop. This condition could lead to loss of tab control linkage and severe elevator flutter. Such elevator flutter could lead to possible loss of control.

Compliance

(f) Comply with this AD within the compliance times specified, unless already done.

Actions	Compliance	Procedures
<p>(1) Inspect the elevator control tabs for discrepancies.</p> <p>(2) If any discrepancies are found during any inspection required in paragraph (f)(1) of this AD, take necessary corrective actions to bring all discrepancies within acceptable tolerances.</p> <p>(3) If, during any inspection required in paragraph (f)(1) of this AD, the total maximum free play of the elevator servo tab and trim tab relative to the elevator exceeds 1.0 degree (this is equal to a maximum displacement of 0.070" at the trailing edge), report the results of the inspection to the FAA. The Office of Management and Budget (OMB) approved the information collection requirements contained in this regulation under the provisions of the Paperwork Reduction Act of 1980 (44 U.S.C. 3501 <i>et seq.</i>) and assigned OMB Control Number 2120-0056.</p>	<p>Initially within the next 50 hours time-in-service (TIS) after the effective date of this AD. Repetitively thereafter inspect at intervals not to exceed 100 hours TIS.</p> <p>Before further flight after any inspection in which discrepancies are found.</p> <p>Within 30 days after the inspection. We are collecting these inspection results for 24 months after the effective date of this AD. The reporting requirements of this AD are no longer required after that time.</p>	<p>Following DHC-3 Otter Temporary Revisions No. 18, No. 19, and No. 20, all dated December 5, 2008.</p> <p>Following DHC-3 Otter Temporary Revisions No. 18, No. 19, and No. 20, all dated December 5, 2008.</p> <p>Use the form (Figure 1 of this AD) and submit it to FAA, Small Airplane Directorate, Attn: Jim Rutherford, 901 Locust, Room 301, Kansas City, Missouri 64106.</p>

DOCKET NO. FAA-2010-1192

Airplane Serial Number:
 Time-in-Service (TIS) of Airplane:
 Airplane Engine Type/Model Number/Serial Number:
 TIS of Airplane When Current Engine was Installed:
 Date When Current Engine was Installed:
 STC Number that Installed Current Engine (if applicable):
 Out of Tolerance Recording:
 Corrective Action Taken:
 Any Additional Information (Optional):
 Name:
 Telephone and/or Email Address:
 Date:

Send report to: Jim Rutherford, Aerospace Engineer, FAA, Small Airplane Directorate, 901 Locust, Room 301, Kansas City, Missouri 64106; facsimile: (816) 329-4090; email: jim.rutherford@faa.gov.

Figure 1

Alternative Methods of Compliance (AMOCs)

(g)(1) The Manager, New York Aircraft Certification Office (ACO), FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the manager of the ACO, send it to the attention of the person identified in the Related Information section of this AD.

(2) Before using any approved AMOC, notify your Principal Maintenance Inspector or Principal Avionics Inspector, as appropriate, or lacking a principal inspector, your local Flight Standards District Office.

Related Information

(h) For more information about this AD, contact George Duckett, Aerospace Engineer, New York ACO, FAA, 1600 Stewart Avenue, Suite 410, Westbury, New York 11590;

telephone: (516) 228-7325; fax: (516) 794-5531; email: george.duckett@faa.gov.

(i) To get information about the revisions to the maintenance program identified in this proposed AD, contact Viking Air Ltd., 9574 Hampden Road, Sidney, BC Canada V8L 5V5; telephone: (800) 663-8444; Internet: <http://www.vikingair.com>. You may review copies of the referenced revision at the FAA, Small Airplane Directorate, 901 Locust, Kansas City, Missouri 64106. For information on the availability of this material at the FAA, call 816-329-4148.

Issued in Kansas City, Missouri, on December 1, 2010.

Christina L. Marsh,

Acting Manager, Small Airplane Directorate, Aircraft Certification Service.

[FR Doc. 2010-30614 Filed 12-6-10; 8:45 am]

BILLING CODE 4910-13-P

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA-2010-1190; Directorate Identifier 2010-SW-038-AD]

RIN 2120-AA64

Airworthiness Directives; Apical Industries Inc. (Apical) Emergency Float Kits

AGENCY: Federal Aviation Administration, DOT.

ACTION: Notice of proposed rulemaking (NPRM).

SUMMARY: This document proposes adopting a new airworthiness directive (AD) for the Apical emergency float kits installed on certain model helicopters under supplemental type certificates. This proposal would require adding

placards on each side of the fuselage to identify the location and operation of the liferaft external inflation handle. The proposal would also require replacing each liferaft operation placard to state that external liferafts are installed. This proposal is prompted by a report of a helicopter that crashed into the water, and the pilot did not deploy the floats and liferafts. Two external T-handles were available for deployment of the liferafts but were not used by the passengers because they were unaware of their location. The proposed actions are intended to prevent helicopter occupants from further injury due to unnecessary exposure to harsh water conditions and to aid in deploying liferafts when liferafts are available on the helicopter and can be activated after a water landing.

DATES: Comments must be received on or before February 7, 2011.

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

- *Federal eRulemaking Portal:* Go to <http://www.regulations.gov>. Follow the instructions for submitting comments.

- *Fax:* 202-493-2251.

- *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.

- *Hand Delivery:* U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue, SE., Washington, DC 20590, between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

You may get the service information identified in this proposed AD from Apical Industries, Inc., 2608 Temple