

(2) For more information about this AD, contact Andrea Jimenez, Aerospace Engineer, COS Program Management Section, Operational Safety Branch, Compliance & Airworthiness Division, FAA, 1600 Stewart Ave., Suite 410, Westbury, NY 11590; telephone (516) 228-7330; email andrea.jimenez@faa.gov.

Issued on March 10, 2022.

Lance T. Gant,

Director, Compliance & Airworthiness Division, Aircraft Certification Service.

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DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA-2022-0284; Project Identifier MCAI-2021-01369-A]

RIN 2120-AA64

Airworthiness Directives; Viking Air Limited (Type Certificate Previously Held by Bombardier Inc. and de Havilland, Inc.) Airplanes

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Notice of proposed rulemaking (NPRM).

SUMMARY: The FAA proposes to adopt a new airworthiness directive (AD) for certain Viking Air Limited (type certificate previously held by Bombardier Inc. and de Havilland, Inc.) Model DHC-6-1, DHC-6-100, DHC-6-200, DHC-6-300, and DHC-6-400 airplanes. This proposed AD results from mandatory continuing airworthiness information (MCAI) originated by an aviation authority of another country to identify and correct an unsafe condition on an aviation product. The MCAI identifies the unsafe condition as binding of the rod end bearing connecting the lower fuel control unit (FCU) push rod assembly to the FCU power lever. This proposed AD would require performing tests, inspections, and lubrication of the FCU push rod assemblies, and replacing them with improved parts as necessary. The FAA is proposing this AD to address the unsafe condition on these products.

DATES: The FAA must receive comments on this proposed AD by May 6, 2022.

ADDRESSES: You may send comments, using the procedures found in 14 CFR 11.43 and 11.45, by any of the following methods:

- *Federal eRulemaking Portal:* Go to <https://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 service information identified in this NPRM, contact Viking Air Ltd., 1959 de Havilland Way, Sidney British Columbia, Canada V8L 5V5; phone: (800) 663-8444; email:

continuing.airworthiness@vikingair.com; website: <https://www.vikingair.com>. You may view this service information at the FAA, Airworthiness Products Section, Operational Safety Branch, 901 Locust, Kansas City, MO 64106. For information on the availability of this material at the FAA, call (817) 222-5110.

Examining the AD Docket

You may examine the AD docket at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2022-0284; or in person at Docket Operations between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this NPRM, the MCAI, any comments received, and other information. The street address for Docket Operations is listed above.

FOR FURTHER INFORMATION CONTACT: Elizabeth Dowling, Aviation Safety Engineer, FAA, New York ACO Branch, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; phone: (516) 228-7300; email: elizabeth.m.dowling@faa.gov.

SUPPLEMENTARY INFORMATION:

Comments Invited

The FAA invites 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-2022-0284; Project Identifier MCAI-2021-01369-A” at the beginning of your comments. The most helpful comments reference a specific portion of the proposal, explain the reason for any recommended change, and include supporting data. The FAA will consider all comments received by the closing date and may amend this proposal because of those comments.

Except for Confidential Business Information (CBI) as described in the following paragraph, and other information as described in 14 CFR 11.35, the FAA will post all comments received, without change, to [https://](https://www.regulations.gov)

www.regulations.gov, including any personal information you provide. The agency will also post a report summarizing each substantive verbal contact received about this NPRM.

Confidential Business Information

CBI is commercial or financial information that is both customarily and actually treated as private by its owner. Under the Freedom of Information Act (FOIA) (5 U.S.C. 552), CBI is exempt from public disclosure. If your comments responsive to this NPRM contain commercial or financial information that is customarily treated as private, that you actually treat as private, and that is relevant or responsive to this NPRM, it is important that you clearly designate the submitted comments as CBI. Please mark each page of your submission containing CBI as “PROPIN.” The FAA will treat such marked submissions as confidential under the FOIA, and they will not be placed in the public docket of this NPRM. Submissions containing CBI should be sent to Elizabeth Dowling, Aviation Safety Engineer, New York ACO Branch, FAA, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590. Any commentary that the FAA receives which is not specifically designated as CBI will be placed in the public docket for this rulemaking.

Background

Transport Canada, which is the aviation authority for Canada, has issued Transport Canada AD CF-2021-42, dated November 26, 2021 (referred to after this as “the MCAI”), to address an unsafe condition on certain serial-numbered Viking Air Limited Model DHC-6 series 1, DHC-6 series 100, DHC-6 series 110, DHC-6 series 200, DHC-6 series 210, DHC-6 series 300, DHC-6 series 310, DHC-6 series 320, and DHC-6 series 400 airplanes with certain part-numbered FCU push rod assemblies installed. The MCAI states:

There have been in-service reports of binding of [part number] P/N VSC30-3A rod end bearings used in the linkage for the lower FCU push rod assembly P/N C6CE1398-7. The lower FCU push rod assembly is connected to the FCU power lever and contains a rod end bearing at each end. P/N VSC30-3A rod end bearings, fabricated with a metal inner race and a dry film lubricant, have been incorporated on FCU push rod assemblies introduced through Viking Air Ltd (Viking) MOD 6/2347. P/N VSC30-3A rod end bearings may have also been installed in-service as a replacement part in lower FCU push rod assembly P/N C6CE1398-3. In one instance, binding of the lower FCU push rod bearing resulted in one engine failing to return to a lower power setting from a higher power setting when

commanded, which subsequently resulted in the need to perform an in-flight engine shutdown during final approach. An investigation also revealed that binding of P/N VSC30-3A rod end bearings can occur after a period of non-utilization of the aeroplane.

This condition, if not detected and corrected, may lead to the inability to reduce power on the affected engine, resulting in the need to perform an in-flight engine shutdown, and consequently leading to reduced control of the aeroplane and increased pilot workload during this critical phase of flight.

To address this unsafe condition, this [Transport Canada] AD mandates initial and repetitive functional checks, special detailed inspection (SDI) and lubrication of the affected FCU push rod assembly, and its replacement, as required, with a redesigned FCU push rod assembly with improved reliability (MOD 6/2484), in accordance with Viking Service Bulletin (SB) V6/0063. This [Transport Canada] AD also prohibits the installation of an affected FCU push rod assembly as a replacement part on applicable aeroplanes.

You may examine the MCAI in the AD docket at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2022-0284.

Related Service Information Under 1 CFR Part 51

The FAA reviewed the following:

- Viking DHC-6 Twin Otter Service Bulletin (SB) No. V6/0063, Revision A, dated February 1, 2021 (Viking SB V6/0063, Revision A), which specifies procedures for performing tests,

inspections, and lubrication of the FCU push rod assemblies; and

- Viking DHC-6 Twin Otter Technical Bulletin No. V6/00155, Revision NC, dated September 14, 2020, which specifies procedures for replacing the FCU push rod assemblies with improved parts.

This service information is reasonably available because the interested parties have access to it through their normal course of business or by the means identified in the ADDRESSES section.

Other Related Service Information

The FAA also reviewed Viking DHC-6 Twin Otter SB No. V6/0063, Revision NC, dated June 7, 2019 (Viking SB V6/0063, Revision NC), which specifies procedures for performing tests, inspections, and lubrication of the FCU push rod assemblies. Viking revised this service information and issued Viking SB V6/0063 Revision A to extend the lubrication requirement of Mod 6/2347 rod ends to all operating environments, add repeat inspections, and introduce a test and lubrication for airplanes that have not been in operation after a period of time before re-entry into service.

FAA's Determination

This product has been approved by the aviation authority of another country, and is approved for operation in the United States. Pursuant to the FAA's bilateral agreement with this State of Design Authority, it has notified the FAA of the unsafe condition described in the MCAI and service

information referenced above. The FAA is issuing this NPRM after determining the unsafe condition described previously is likely to exist or develop in other products of the same type design.

Proposed AD Requirements in This NPRM

This proposed AD would require accomplishing the actions specified in the service information described previously.

Differences Between This Proposed AD and the MCAI

The MCAI applies to Viking Air Limited Model DHC-6 series 110, DHC-6 series 210, DHC-6 series 310, and DHC-6 series 320, and this proposed AD would not because these models do not have an FAA type certificate. Transport Canada Model DHC-6 series 1, DHC-6 series 100, DHC-6 series 200, DHC-6 series 300, and DHC-6 series 400 airplanes correspond to FAA Model DHC-6-1, DHC-6-100, DHC-6-200, DHC-6-300, and DHC-6-400 airplanes, respectively.

The MCAI requires reporting information to the manufacturer, and this proposed AD would not.

Costs of Compliance

The FAA estimates that this AD, if adopted as proposed, would affect 34 airplanes of U.S. registry. The FAA estimates the following costs to comply with this proposed AD:

ESTIMATED COSTS

Action	Labor cost	Parts cost	Cost per airplane	Cost on U.S. operators
Test, inspect, and lubricate the FCU push rod assemblies.	1 work-hour × \$85 per hour = \$85.	N/A	\$85 per inspection cycle	\$2,890 per inspection cycle.

The FAA estimates the following costs to replace the FCU push rod assemblies. The agency has no way of

determining the number of airplanes that might need these replacements:

ON-CONDITION COSTS

Action	Labor cost	Parts cost	Cost per airplane
Replace both FCU push rod assemblies	3 work-hours × \$85 per hour = \$255	\$60	\$315

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.

The FAA is 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

The FAA 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) Will not affect intrastate aviation in Alaska, 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.

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:

Viking Air Limited (Type Certificate Previously Held by Bombardier Inc. and de Havilland, Inc.): Docket No. FAA–2022–0284; Project Identifier MCAI–2021–01369–A.

(a) Comments Due Date

The FAA must receive comments on this airworthiness directive (AD) by May 6, 2022.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Viking Air Limited (Type Certificate Previously Held by Bombardier Inc. and de Havilland, Inc.) Model DHC–6–1, DHC–6–100, DHC–6–200, DHC–6–300, and DHC–6–400 airplanes, serial numbers 001 through 989, certificated in any category.

(d) Subject

Joint Aircraft System Component (JASC) Code 7600, Engine Controls.

(e) Unsafe Condition

This AD was prompted by mandatory continuing airworthiness information (MCAI) originated by an aviation authority of another country to identify and correct an unsafe condition on an aviation product. The MCAI identifies the unsafe condition as binding of the rod end bearing connecting the lower fuel control unit (FCU) push rod assembly to the FCU power lever. The unsafe condition, if not addressed, could lead to the inability to reduce power on the affected engine, which could result in an in-flight engine shutdown and reduced airplane control.

(f) Definitions

(1) For purposes of this AD, an “affected FCU pushrod assembly” is one of the following:

- (i) Lower FCU push rod assembly part number (P/N) C6CE1398–7; or
- (ii) Lower FCU push rod assembly P/N C6CE1398–3 with P/N VSC30–3A rod end bearing installed.

Note 1 to paragraph (f)(1): P/N C6CE1398–7 may also be referred to as modification (MOD) 6/2347.

(2) For purposes of this AD, a “serviceable FCU push rod assembly” is lower FCU push rod assembly P/N C6CE1398–9.

Note 2 to paragraph (f)(2): P/N C6CE1398–9 may also be referred to as MOD 6/2484.

(g) Compliance

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

(h) Required Actions

(1) Within 125 hours time-in-service (TIS) after the effective date of this AD or within 30 days after the effective date of this AD, whichever occurs first, test each affected FCU push rod assembly for binding and restriction in accordance with the Accomplishment Instructions, paragraphs A.1. through A.3., in Viking DHC–6 Twin Otter Service Bulletin No. V6/0063, Revision A, dated February 1, 2021 (Viking SB V6/0063, Revision A).

(i) If there is any binding or restriction, before further flight, remove both affected FCU push rod assemblies from service and install serviceable FCU push rod assemblies in accordance with the Accomplishment Instructions, paragraph A.4., in Viking SB V6/0063, Revision A, and the Accomplishment Instructions, Sections A through C, in Viking DHC–6 Twin Otter Technical Bulletin No. TB V6/00155, Revision NC, dated September 14, 2020 (Viking TB V6/00155, Revision NC).

(ii) If there is no binding and no restriction, before further flight, remove each affected FCU push rod assembly, clean the push rod ends, and inspect each affected FCU push rod assembly for corrosion and condition of the lubricant. Pay particular attention to the bearing ball and race.

(A) If there is no corrosion and the lubricant color and texture is normal, before further flight, lubricate each affected FCU push rod assembly in accordance with the

Accomplishment Instructions, Section C, in Viking SB V6/0063, Revision A.

(B) If there is corrosion or if the lubricant is abnormal in color (too dark) or texture (too sticky), before further flight, remove both affected FCU push rod assemblies from service and install serviceable FCU push rod assemblies in accordance with the Accomplishment Instructions, paragraph A.4., in Viking SB V6/0063, Revision A and the Accomplishment Instructions, Sections A through C, in Viking TB V6/00155, Revision NC.

(2) Repeat the requirements of this AD as follows until both affected FCU push rod assemblies are replaced.

(i) **Test and lubrication:** At intervals not to exceed 125 hours TIS or before further flight anytime the airplane has not been operated for a period of 30 days, whichever occurs first.

(ii) **Inspection:** At intervals not to exceed 1,500 hours TIS.

(3) As of the effective date of this AD, do not install an affected FCU push rod assembly on any airplane.

(i) Credit for Previous Actions

You may take credit for the test, inspection, replacement, and lubrication required by paragraphs (h)(1) and (2) of this AD if you performed those actions before the effective date of this AD using Viking DHC–6 Twin Otter Service Bulletin No. V6/0063, Revision NC, dated June 7, 2019.

(j) Alternative Methods of Compliance (AMOCs)

(1) The Manager, New York ACO Branch, 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 certification office, send it to the attention of the person identified in paragraph (k)(1) of this AD.

(2) Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

(k) Related Information

(1) For more information about this AD, contact Elizabeth Dowling, Aviation Safety Engineer, New York ACO Branch, FAA, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; phone: (516) 228–7300; email: elizabeth.m.dowling@faa.gov.

(2) Refer to Transport Canada AD CF–2021–42, dated November 26, 2021, for more information. You may examine the Transport Canada AD in the AD docket at <https://www.regulations.gov> by searching for and locating it in Docket No. FAA–2022–0284.

(3) For service information identified in this AD, contact Viking Air Ltd., 1959 de Havilland Way, Sidney British Columbia, Canada V8L 5V5; phone: (800) 663–8444; email: continuing.airworthiness@vikingair.com; website: <https://www.vikingair.com>. You may review this referenced service information at the FAA, Airworthiness Products Section, Operational

Safety Branch, 901 Locust, Kansas City, MO 64106. For information on the availability of this material at the FAA, call (817) 222-5110.

Issued on March 11, 2022.

Lance T. Gant,

Director, Compliance & Airworthiness Division, Aircraft Certification Service.

[FR Doc. 2022-05668 Filed 3-21-22; 8:45 am]

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DEPARTMENT OF HOMELAND SECURITY

Coast Guard

33 CFR Part 110

[Docket Number USCG-2019-0822]

RIN 1625-AA01

Anchorage Grounds; Atlantic Ocean, Delaware

AGENCY: Coast Guard, DHS.

ACTION: Notice of proposed rulemaking.

SUMMARY: The Coast Guard is proposing to amend the anchorage regulations for the Delaware Bay and River, and adjacent waters, by establishing two new, offshore deep-water anchorages. The purpose of this proposed rule is to improve navigation safety by accommodating recent and anticipated future growth in vessel size and volume of vessel traffic entering the Delaware Bay and River, and to preserve areas traditionally used or needed for anchoring. We invite your comments on this proposed rulemaking.

DATES: Comments and related material must be received by the Coast Guard on or before May 23, 2022.

ADDRESSES: You may submit comments identified by docket number USCG-2019-0822 using the Federal eRulemaking Portal at <https://www.regulations.gov>. See the "Public Participation and Request for Comments" portion of the **SUPPLEMENTARY INFORMATION** section for further instructions on submitting comments.

FOR FURTHER INFORMATION CONTACT: If you have questions about this proposed rulemaking, call or email Marine Science Technician First Class (MST1) Jennifer Padilla, Sector Delaware Bay, U.S. Coast Guard; telephone (215) 271-4889, email Jennifer.L.Padilla@uscg.mil; or Mr. Matt Creelman, Fifth Coast Guard District (dpw), U.S. Coast Guard; telephone (757) 398-6230, email Matthew.K.Creelman2@uscg.mil.

SUPPLEMENTARY INFORMATION:

I. Table of Abbreviations

ACPARS Atlantic Coast Port Access Route Study
 AIS Automatic Identification System
 BOEM Bureau of Ocean Energy Management
 CFR Code of Federal Regulations
 COTP Captain of the Port
 DHS Department of Homeland Security
 FR Federal Register
 NOI Notice of Intent
 NPRM Notice of Proposed Rulemaking
 OREA Offshore Renewable Energy Area
 PARS Port Access Route Study
 § Section
 U.S.C. United States Code

II. Background, Purpose, and Legal Basis

In 2011, the Coast Guard received requests to formally establish anchorages in the Atlantic Ocean offshore from the Delaware coast in response to the Atlantic Coast Port Access Route Study (ACPARS), a multiyear study that included public participation and identified the navigation routes customarily followed by ships engaged in commerce between international and domestic U.S. ports. The ACPARS is available at <https://navcen.uscg.gov/?pageName=PARSReports>. To preserve areas traditionally used for anchoring from offshore development, the Federal Pilots and the Mariners' Advisory Committee for the Bay and River Delaware requested formal anchorage grounds be established to the east and the west of the southeastern approach traffic separation scheme. While these requests were noted in the ACPARS, the Coast Guard took no action in the pursuing years, and the areas to the east and the west of the southeastern approach traffic separation scheme continued to be used as traditional and unregulated anchorage grounds.

On July 12, 2018, and August 21, 2018, the Coast Guard held meetings with maritime stakeholders and waterway users to discuss the impacts to vessel traffic and navigation safety on the Delaware Bay and River due to the expansion of the Panama Canal and the planned deepening of the Delaware River from 40 to 45 feet. Meeting attendees included the Pilots' Association for the Bay and River Delaware, the Mariners' Advisory Committee for the Bay and River Delaware, Interport Pilots Association, and port and terminal representatives. The attendees concluded the increased volume of vessel traffic and the size of vessels calling on the Delaware Bay and River, and planned and potential offshore development, heightened the need to formally establish three new anchorage grounds: Two offshore in the

Atlantic Ocean and an additional inshore anchorage located in the Delaware Bay near the Cape Henlopen breakwaters. The participants suggested the anchorages would preserve areas traditionally used for anchoring and provide for the ongoing and future growth of the marine transportation system on the Delaware Bay and River.

On November 29, 2019, the Coast Guard published a Notice of Inquiry (NOI) in the **Federal Register** (81 FR 25854) to formally seek feedback on whether the Coast Guard should consider a proposed rulemaking to establish the three new anchorages. Following the naming convention in 33 CFR 110.157, the anchorages were referred to as Anchorage B—Breakwater, Anchorage C—Cape Henlopen, and Anchorage D—Indian River. We received 42 comments in response to the NOI. Five comments were supportive; twenty eight were opposed to the proposed inshore anchorage, Anchorage B; and fourteen were opposed to the proposed offshore anchorages, Anchorages C and D.

On May 5, 2020, the Coast Guard published a Notice of Study; request for comments entitled "Port Access Route Study (PARS) for the Seacoast of New Jersey Including Offshore Approaches to the Delaware Bay, Delaware" in the **Federal Register** (85 FR 26695). The initial comment period closed on July 5, 2020. The Coast Guard conducted two virtual public meetings on October 28, 2020, and November 4, 2020, and the initial comment period was re-opened through November 10, 2020. The study included an in-depth analysis of historical anchoring patterns in the approaches to the Delaware Bay and River. Anchorage related comments received during the study are discussed in Section III, and a full list of comments can be found in the Port Access Route Study "PARS," docket number USCG-2020-0172.¹

Based on feedback received to date, primary objections to the proposed inshore anchorage are environmental in nature and concern potential impacts on Atlantic Sturgeon, an endangered species under the Endangered Species Act. Primary objections to the proposed offshore anchorages concern potential conflicts between the siting of the anchorage grounds and the need to route electricity transmission export cables to the proposed or future offshore wind developments. Based on the differences and nature of concerns between the anchorages located inshore, in the Delaware River estuary, and the

¹ The docket folder for USCG-2020-0172 is available at: [Regulations.gov](https://www.regulations.gov).