



# AIRWORTHINESS DIRECTIVE

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*This Airworthiness Directive (AD) is issued pursuant to Canadian Aviation Regulation (CAR) 521.427. No person shall conduct a take-off or permit a take-off to be conducted in an aircraft that is in their legal custody and control, unless the requirements of CAR 605.84 pertaining to ADs are met. Standard 625 - Aircraft Equipment and Maintenance Standards Appendix H provides information concerning alternative means of compliance (AMOC) to ADs.*

**Number:**

CF-2018-28

**Effective Date:**

29 October 2018

**ATA:**

27

**Type Certificate:**

A-82

**Subject:**

Flight Controls – Worn Elevator Cables

**Applicability:**

Viking Air Ltd. (formerly Bombardier Inc.) model DHC-6-1, -100, -110, -200, -210, -300, -310, -320, and -400 aeroplanes all serial numbers

**Compliance:**

As indicated below, unless already accomplished.

**Background:**

There have been several occurrences of excessive wear of elevator cables at the STA 270.3 pulleys. In one case the cable failed in flight leading to an emergency landing. Viking Air Ltd., (Viking) has determined that excessive wear can be caused by a damaged pulley. Elevator cable wear that is not detected can lead to failure of the cable and loss of control of the aeroplane.

**Corrective Actions:**

As of the effective date of this AD, when replacing the elevator cable that has reached its life limit, inspect the cable for abnormal wear at location of STA 270.3 pulley. If abnormal cable wear is found, before further flight, replace the corresponding pulley as well. Perform the cable inspection and pulley replacement both in accordance with Viking Air Ltd. Service Bulletin V6/0062 Revision NC, dated 31 July 2017, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

**Authorization:**

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr  
Chief, Continuing Airworthiness  
Issued on 15 October 2018

**Contact:**

Ross McGowan, Continuing Airworthiness, Ottawa, telephone 888-663-3639, facsimile 613-996-9178 or e-mail [AD-CN@tc.gc.ca](mailto:AD-CN@tc.gc.ca) or any Transport Canada Centre.