



## 適航指令發布單

### Airworthiness Directive Issuance Form

民航局 AD 編號 AD number	CAA-2018-10-012	發布日期 Date issued	2018/10/19
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	Viking Air Ltd. (formerly Bombardier Inc.) model DHC-6-1, -100, -110, -200, -210, -300, -310, -320, and -400 aeroplanes all serial numbers		
主旨摘要	Flight Controls - Worn Elevator Cables-inspection		
民航局 CAA <input type="checkbox"/> 本國產品 Native products <input type="checkbox"/> 其他個案 Other	設計國民航主管機構 Original Authorities <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> FAA  <input type="checkbox"/> EASA  <input type="checkbox"/> Brazil  <input checked="" type="checkbox"/> Transport Canada Civil Aviation  <input type="checkbox"/> DGAC             </div> <div style="width: 48%;"> <input type="checkbox"/> Germany LBA  <input type="checkbox"/> CAA-NL  <input type="checkbox"/> UK CAA  <input type="checkbox"/> Japan CAB  <input type="checkbox"/> CAA of Israel  <input type="checkbox"/> Other _____             </div> </div>		
	設計國 AD 編號 Original AD number	CF-2018-28	
	1. 直接採用原 AD 之內容?(Is the original AD directly adopted?) <input checked="" type="checkbox"/> 是(Yes) <input type="checkbox"/> 否(No) _ a. 生效日期另訂為(Re-specify the effective date as) : _____ b. 執行時限另訂為(Re-specify the compliance time or period as) : _____ 2. 使用人是否需要將 AD 執行結果向民航局提出報告?(Do Users need to report the status of compliance to the CAA?) <input type="checkbox"/> 是(Yes) <input checked="" type="checkbox"/> 否(No)		
備註 Note	None		

註： 1. AD 內容後附。  
 2. 航空器產品使用人得向民航局提出豁免、替代符合方法、執行時限之展延之申請。  
 3. 如有任何問題，請聯絡交通部民用航空局初始適航科。Tel：(02)2349-6331~3, Fax：(02)2545-8464, e-mail：  
[adcaa@mail.caa.gov.tw](mailto:adcaa@mail.caa.gov.tw)

Note： 1. The AD text is enclosed.  
 2. Exemption, an alternative method of compliance or adjustment of the compliance time may be proposed to the CAA for approval.  
 3. For further information, please contact Civil Aeronautics Administration on Tel：(02)2349-6331~3, Fax：(02)2545-8464, e-mail：  
[adcaa@mail.caa.gov.tw](mailto:adcaa@mail.caa.gov.tw)



# 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.