



AIRWORTHINESS DIRECTIVE

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-2015-19

Effective Date:

20 July 2015

ATA:

46

Type Certificate:

A-177

Subject:

Information Systems – Potential Misleading Navigational Information

Applicability:

Bombardier Inc.:

Model BD-700-1A10 aeroplanes, serial numbers 9381, 9432 through 9708, 9711 through 9718 and 9720 through 9730;

Model BD-700-1A11 aeroplanes, serial numbers 9386, 9401, 9445 through 9707, 9710 through 9717, 9722, 9732, 9734 and 9737.

Compliance:

Within 15 months from the effective date of this AD, unless already accomplished.

Background:

It was discovered that on certain aeroplanes, the network interface installed between the Information Management System (IMS) 6000 unit and the Cabin Entertainment System (CES) network may affect the Aircraft Control Domain (ACD). This could potentially compromise the operational integrity of the avionics system and result in misleading navigational information to the flight crew. Misleading navigational information could have adverse effects on the safe operation of the aeroplane.

This AD mandates the inspection and disconnection, as required, of the network interface installation between the IMS and the CES.

Corrective Actions:

Inspect and disconnect, as required, the network interface installation between the IMS and the CES in accordance with the Accomplishment Instructions of the applicable Bombardier Service Bulletin (SB) 700-46-5005 or 700-46-6005, both at Revision 2 and dated 18 June 2015, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Inspection and disconnection, as required, of the network interface installation between the IMS and the CES in accordance with the Accomplishment Instructions of the applicable Bombardier SB 700-46-5005 or 700-46-6005, Basic Issue and Revision 1 dated 23 February 2015 and 20 March 2015 respectively, prior to the effective date of this AD, also meets the requirements of this AD.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr
Chief, Continuing Airworthiness
Issued on 6 July 2015

Contact:

Robert Farinas, Continuing Airworthiness, Ottawa, telephone 613-952-4357, facsimile 613-996-9178 or e-mail AD-CN@tc.gc.ca or any Transport Canada Centre.