

ADVISORY WIRE

AW700-34-0210

DATE: April 3, 2007

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FROM: BOMBARDIER CUSTOMER SERVICES BUSINESS AIRCRAFT

ADVISORY WIRE

REFERENCE NO: AW700-34-0210

SUBJECT: Flight Management System (FMS) –
Inaccurate Altitude Predictions

EFFECTIVITY: BD700-1A10 (9002 - 9999)
BD700-1A11 (9127 - 9999)

ATA: 34-61

This Advisory Wire contains Operational Information

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1.0 INTRODUCTION:

This Advisory Wire is to inform Operators of a condition where the Flight Management System (FMS) computed Optimum Altitude values may be inaccurate.

2.0 DESCRIPTION:

Bombardier has received feedback from a number of Operators indicating that occasionally the FMS computed Optimum Altitude was showing higher than expected values and in some instances values higher than the Ceiling Altitude.

The presentation of inaccurate Optimum Altitude data does not pose any issue to the dispatch availability of the aircraft and can be considered a nuisance. The inaccurate Optimum Altitude value will affect the FMS fuel displayed parameters. However, an existing Airplane Flight Manual Limitation prohibits the use of FMS fuel displayed parameters for fuel load and range planning.

If the flight crew suspects this condition is present, the Cruise Altitude Selection charts provided in the Flight Planning and Cruise Control Manual may be used to verify the Optimum Altitude.

An investigation into the root cause of this condition is on going and we will keep you informed of any new developments as they arise.

3.0 ACTION:

Flight crews should be aware of this condition and familiarize themselves with the associated work-around procedure provided in the Flight Planning and Cruise Control Manual.