



適航指令發布單
Airworthiness Directive Issuance Form

民航局 AD 編號 AD number	CAA-2021-10-006	發布日期 Date issued	2021/10/28												
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	Bombardier Inc. model BD-700-1A10 and BD-700-1A11 aeroplanes, serial numbers 9001 through 9860, 9862 through 9871, 9873 through 9879, 60005, 60024, 60030, 60032, 60037, 60043, 60045 and 60049.														
主旨摘要	Information Systems - Incorrect Airplane Flight Manual Wet and Contaminated Runway Stopping Distance														
民航局 CAA <input type="checkbox"/> 本國產品 Native products <input type="checkbox"/> 其他個案 Other	<div style="text-align: center;">設計國民航主管機構 Original Authorities</div> <table style="width: 100%;"><tr><td><input type="checkbox"/> FAA</td><td><input type="checkbox"/> Germany LBA</td></tr><tr><td><input type="checkbox"/> EASA</td><td><input type="checkbox"/> CAA-NL</td></tr><tr><td><input type="checkbox"/> Brazil</td><td><input type="checkbox"/> UK CAA</td></tr><tr><td><input checked="" type="checkbox"/> Transport Canada Civil Aviation</td><td><input type="checkbox"/> Japan CAB</td></tr><tr><td><input type="checkbox"/> DGAC</td><td><input type="checkbox"/> CAA of Israel</td></tr><tr><td></td><td><input type="checkbox"/> Other _____</td></tr></table>			<input type="checkbox"/> FAA	<input type="checkbox"/> Germany LBA	<input type="checkbox"/> EASA	<input type="checkbox"/> CAA-NL	<input type="checkbox"/> Brazil	<input type="checkbox"/> UK CAA	<input checked="" type="checkbox"/> Transport Canada Civil Aviation	<input type="checkbox"/> Japan CAB	<input type="checkbox"/> DGAC	<input type="checkbox"/> CAA of Israel		<input type="checkbox"/> Other _____
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<input type="checkbox"/> DGAC	<input type="checkbox"/> CAA of Israel														
	<input type="checkbox"/> Other _____														
	設計國 AD 編號 Original AD number	CF-2021-35													
	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) : _____ <input type="checkbox"/> 2. 使用人是否需要將 AD 執行結果向民航局提出報告?(Do <input type="checkbox"/> 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	ATA 46. (see Table 1: AFM References)														
<div>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</div> <div>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</div>															



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) with ADs.

Number:

CF-2021-35

Effective Date:

9 November 2021

ATA:

46

Type Certificate:

A-177

Subject:

Information Systems – Incorrect Airplane Flight Manual (AFM) Wet and Contaminated Runway Stopping Distance

Applicability:

Bombardier Inc. model BD-700-1A10 and BD-700-1A11 aeroplanes, serial numbers 9001 through 9860, 9862 through 9871, 9873 through 9879, 60005, 60024, 60030, 60032, 60037, 60043, 60045 and 60049.

Compliance:

Within 30 days from the effective date of the AD, unless already accomplished.

Background:

It was discovered that the thrust reverser correction factors presented in certain AFM performance charts for landing on contaminated runways do not provide sufficient margin for stopping distances in certain conditions. If not corrected, use of the affected performance charts could lead to longitudinal runway excursions.

This AD mandates the incorporation of a revision to the AFM to correct the affected performance charts.

Corrective Actions:

Amend the applicable Transport Canada approved AFM by incorporating all chapters as follows, in accordance with the applicable AFM publication number indicated in Table 1 below or later revisions approved by Transport Canada:

Applicable to all aeroplanes in the applicability section of this AD:

Chapter 6 – Performance

- Performance – Take-Off Performance, 2. Take-Off Performance – Slat Out/Flap 6°, C. Wet Runway Take-Off Field Length
- Performance – Take-Off Performance, 3. Take-Off Performance – Slat Out/Flap 16°, C. Wet Runway Take-Off Field Length
- Performance – Performance Data for Operation in Icing Conditions, 2. Performance Corrections, B. Effects of Cowl Anti-Ice On
- Performance – Performance Data for Operation in Icing Conditions, 2. Performance Corrections, C. Effects of Wing and Cowl Anti-Ice On/Ice Accumulation

Chapter 7 – Supplements

- Supplement 3 – Operation on Contaminated Runways
- Supplement 20 – Operations At Airport Elevations Above 10,000 Feet, 6. Performance, B. Take-Off Field Length
- Supplement 20 – Operations At Airport Elevations Above 10,000 Feet, 6. Performance, G. Operation in Icing Conditions

Also applicable to model BD-700-1A10 with marketing designation Global Express and Global Express XRS.

Chapter 7 – Supplements

- Supplement 5 – Improved Climb Performance, 6. Performance, A. Improved Climb Performance

Also applicable to model BD-700-1A10 with marketing designation Global 6000 and model BD-700-1A11 with marketing designation Global 5000 ft. GVFD.

Chapter 7 – Supplements

- Supplement 35 – Operation on Wet Grooved Runways, 6. Performance, A. Take-Off on Wet Grooved Runways

Following incorporation of the above-mentioned changes, advise all flight crews of the changes and thereafter operate the aeroplane accordingly.

Table 1: AFM References

Aeroplane Model	Marketing Designation	AFM Publication Number and Revision, dated 16 August 2021
BD-700-1A10	Global Express	CSP 700-1 Revision 109
BD-700-1A10	Global Express XRS	CSP 700-1A Revision 109
BD-700-1A10	Global 6000	CSP 700-1V Revision 39
BD-700-1A11	Global 5000	CSP 700-5000-1 Revision 70
BD-700-1A11	Global 5000 ft. GVFD	CSP 700-5000-1V Revision 39

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr
Chief, Continuing Airworthiness
Issued on 26 October 2021

Contact:

Scott Wales, Continuing Airworthiness, Ottawa, telephone 888-663-3639, facsimile 613-996-9178 or e-mail TC.AirworthinessDirectives-Consignesdenavigabilite.TC@tc.gc.ca or any Transport Canada Centre.