



Airworthiness Directive

AD No.: 2020-0181

Issued: 13 August 2020

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 of that Regulation..

This AD is issued in accordance with Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (EU) 1321/2014 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD, unless otherwise specified by the Agency [Regulation (EU) 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [Regulation (EU) 2018/1139, Article 71 exemption].

Design Approval Holder's Name: DASSAULT AVIATION
Type/Model designation(s): Falcon 7X, 900EX and 2000EX aeroplanes

Effective Date: 27 August 2020

TCDS Number(s): EASA.A.008, EASA.A.062 and EASA.A.155

Foreign AD: Not applicable

Supersedure: None

ATA – Airplane Flight Manual – Sections Emergency and Abnormal Procedures – Amendment

Manufacturer(s):

Dassault Aviation (Dassault)

Applicability:

Falcon 7X aeroplanes, all manufacturer serial numbers (MSN), including those that have embodied Dassault modification (mod) M1000 (commercially known as Falcon 8X) in production;

Falcon 900EX aeroplanes, all MSN that have embodied Dassault mod M3083 in production (commercially known as 'Falcon 900EX EASy' configuration); and

Falcon 2000EX aeroplanes, all MSN that have embodied Dassault mod M1691 in production (commercially known as 'Falcon 2000EX EASy' configuration).

Definitions:

For the purpose of this AD, the following definition applies:

The applicable AFM CP: Dassault Airplane Flight Manual (AFM) Change Project (CP) as specified in Table 1 of this AD, as applicable.



Reason:

Occurrences of Primary Display Unit (PDU) data flickering have been reported on aeroplanes equipped with EASy software. Investigations have not identified the precise root cause, but have highlighted this phenomenon is linked to a Modular Avionics Unit (MAU)xA failure, which leads to primary flight data flickering on the MAUxA PDU (blinking red crosses and/or blinking blue screen background). This situation inhibits the use of the MAUxA PDU and may have disturbing side effects on the other PDU (miscompare flag flickering). In addition, during the investigation connected to the occurrences, it was identified that the total loss of the 4 Display Units cannot be excluded.

This condition, if not corrected, could lead to excessive workload, preventing the crew to perform communication and navigation tasks.

To address this potential unsafe condition, Dassault issued an emergency procedure “ALL DU BLANK” dedicated to the event of an unrecoverable failure of all Display Units and an abnormal procedure “Intermittent loss of ADI and HSI data on PDU” dedicated to recover the flickering of one PDU and the related side effects. These are the applicable AFM CP, as defined in this AD, and they provide instructions for the flight crew to accomplish if the condition occurs.

For the reasons described above, this AD requires amendment of the applicable AFM by incorporating the applicable AFM CP.

Required Action(s) and Compliance Time(s):

Required as indicated, unless accomplished previously:

AFM amendment:

- (1) Within 30 days after the effective date of this AD, amend the applicable AFM to incorporate the applicable AFM CP, as defined in this AD, emergency and abnormal procedures, as specified in Table 1 of this AD, inform all flight crews and, thereafter, operate the aeroplane accordingly.

Table 1 – Applicable AFM / AFM CP

Affected Aeroplane / Configuration	Applicable AFM	Applicable AFM CP
Falcon 7X pre-mod M1000	DGT105608	CP0149 and CP0156 (F7X)
Falcon 7X post-mod M1000 (Falcon 8X)	DGT147681	CP0149 and CP0156 (F8X)
Falcon 900EX post-mod M3083 (EASy)	DGT84972	CP0155 and CP0162
Falcon 2000EX post-mod M1691 (EASy)	DGT88898	CP0114 and CP0122

- (2) Amending the applicable AFM to incorporate a later revision, which includes the AFM change as required by this AD, is acceptable to comply with the requirements of paragraph (1) of this AD.

Ref. Publications:

Dassault Falcon 7X AFM DGT105608, CP0149 dated 18 June 2020 and CP0156 dated 10 January 2020.

Dassault Falcon 8X AFM DGT147681, CP0149 dated 18 June 2020 and CP0156 dated 10 January 2020.



Dassault Falcon 2000EX EASy version AFM DGT88898, CP0114 dated 18 June 2020 and CP0122 dated 10 January 2020.

Dassault Falcon 900EX EASy version AFM DGT84972, CP0155 dated 18 June 2020 and CP0162 dated 10 January 2020.

Remarks:

1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.
2. Based on the required actions and the compliance time, EASA have decided to issue a Final AD with Request for Comments, postponing the public consultation process until after publication.
3. Enquiries regarding this AD should be referred to the EASA Programming and Continued Airworthiness Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
4. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this AD, and which may occur, or have occurred on a product, part or appliance not affected by this AD, can be reported to the [EU aviation safety reporting system](#). This may include reporting on the same or similar components, other than those covered by the design to which this AD applies, if the same unsafe condition can exist or may develop on an aircraft with those components installed. Such components may be installed under an FAA Parts Manufacturer Approval (PMA), Supplemental Type Certificate (STC) or other modification.
5. For any question concerning the technical content of the requirements in this AD, please contact your Dassault Falcon Technical Assistance:
 - For Europe, Middle East and Africa based operators: Hot Line: (33) 1 47 11 37 37
 - For USA, Canada and Mexico based operators: Help Desk: (1) 800-2FALCON (2325266)
 - All other areas: Help Desk: (1) 201 541 4747

