EASA	EMERGENCY AIRWORTHINESS DIRECTIVE
	AD No.: 2008-0085-E **Date: 06 May 2008** Note: This Emergency Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.

This AD is issued in accordance with EC 1702/2003, Part 21A.3B. In accordance with EC 2042/2003 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 [EC 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].

Type Approval Holder's Name :	**Type/Model designation(s) :**
DASSAULT AVIATION	Falcon 7X aircraft

TCDS Number :	EASA A.155
Foreign AD :	Not applicable
Supersedure :	None

ATA 24	**Electrical System – Secondary Power Distribution Box – Replacement**
Manufacturer(s):	Dassault Aviation
Applicability:	Falcon 7X aircraft, all serial numbers, if equipped with Secondary Power Distribution Box (SPDB) units with Part Number (P/N) SPD500-B3, SPD600-A9, SPD300-B3-A6 and/or SPD400-B4-A6, except those aircraft that have received modification M890 prior to delivery.
Reason:	Investigation following incidents on the production line has shown that power feeders inside the Secondary Power Distribution Boxes (SPDB) may be damaged because of interference with other internal parts. This condition, if not corrected, may lead to losing essential feeders. The resulting power shortage may reduce aircraft operability and affect flight safety margins. To address and correct the unsafe condition, an upgraded SPDB with improved internal feeder routing has been developed. For the reasons described above, this Airworthiness Directive (AD) requires replacement of all affected SPDB with upgraded units and, in the meantime, the implementation of temporary Airplane Flight Manual (AFM) procedures and Master Minimum Equipment List (MMEL) restrictions before replacement of all affected SPDB.
Effective Date:	08 May 2008
Required action(s) and Compliance Time(s):	Required as indicated, unless accomplished previously: (1) Before next flight after the effective date of this AD, amend the AFM, sub-sections Abnormal Procedures 3-190-50 and 3-190-55, the Quick Reference Handbook 2 (QRH2) sub-section Abnormal ELEC and the MMEL as follows:

	o Dispatch with ATA27 Flight Controls MMEL items is not authorized. o Dispatch with IRS 3 inoperative is not authorized. o Land as soon as possible upon display on Crew Alerting System of following messages per the AFM as already requested for ELEC: LH FRONT ESS FAIL (AFM 3-190-50): ▪ ELEC: LH REAR ESS FAIL (AFM 3-190-50) ▪ ELEC: RH FRONT ESS FAIL (AFM 3-190-55) ▪ ELEC: RH REAR ESS FAIL (AFM 3-190-55) This may be accomplished by inserting a copy of this AD into the AFM, sub-section Abnormal Procedures 3-190-50 and 3-190-55, into the QRH2, sub-section Abnormal ELEC and into the MMEL. **Caution:** These temporary amendments take precedence over the same procedures displayed through the Electronic Check List (ECL) in the aircraft. (2) Within the next 2 months after the effective date of this AD, replace the affected SPDB units in accordance with the accomplishment instructions of Dassault Aviation Service Bulletin (SB) F7X-064 and replace them with the upgraded units identified in the Dassault Aviation SB. **Note:** After accomplishment of the replacement of all affected SPDB on an aircraft as required by paragraph (2) of this AD, the AFM, QRH and MMEL procedures and restrictions as required by paragraph (1) may be removed from that aircraft.
Ref. Publications:	Dassault Aviation SB F7X-064 original edition dated 16 April 2008. MMEL DGT106042 revision 2 dated 25 February 2008. Dassault Aviation F7X AFM DGT105608 revision 3 dated 21 January 2008. QRH2 DGT105611 revision 2 dated 21 January 2008. The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.
Remarks :	1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. The safety assessment has requested not to implement the full consultation process and an immediate publication and notification. 3. Enquiries regarding this AD should be referred to the Airworthiness Directives, Safety Management & Research Section, Certification Directorate, EASA; E-mail: ADs@easa.europa.eu. 4. For any questions concerning the technical content of the requirements in this AD, please contact Dassault Aviation: For Europe, Middle East and Africa based operators: Hot Line: (33) 1 47 11 37 37 / Fax: (33) 1 47 11 89 49 For USA, Canada and Mexico based operators: Help Desk: (1) 800-2FALCON (2325266) / Fax: (1) 201 541 4740 All other areas: Help Desk: (1) 201 541 4747 / Fax: (1) 201 541 4740