EASA AD No: 2011-0169

EASA

AIRWORTHINESS DIRECTIVE

AD No.: 2011-0169

Date: 02 September 2011

Note: This 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 applies. ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that A conless otherwise specified by the Agency [EC 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the S te of Re listry [EC 216/2008, Article 14(4) exemption].

emption].		
Type Approval Holder's Name : DASSAULT AVIATION		Type/Mo el es gnation(s): Falcoi, TX acreplanes
DAGGAGET AVII	ATION	1 alcont a deropianes
TCDS Number :	EASA.A.155	
Foreign AD :	Not applicable	
Supersedure :	None	
ATA 27	Flight Controls - Ho	ontal Stabilizer Pitch Trim - Modification
Manufacturer(s):	Dassault Aviation	
Applicability:	Falcon A gerop thes, all serial numbers except those having Dassault Aviation mod. Fation M1245 embodied in production.	
Reason:	recovering a stable sit the results of the investigation of the investigation of the investigation of the investigation of the Harizontal Stabilization of the	ult Aviation Falcon 7X aeroplane experienced an runaway during descent. The crew succeeded in ruation and performed an uneventful landing. estigations showed that there was a production defecter Electronic Control Unit (HSECU) which could have
	Contributed to the cause This condition, if not contribute aeroplane.	orrected, could lead to a loss of control of the
	which prohibited furthe accomplished by Dass revision 2, which supe accomplishment of all	e condition, EASA issued emergency AD 2011-0102- er flights. Following further technical investigations sault Aviation, EASA issued AD 2011-0114, currently erseded EASA AD 2011-0102-E. Following the actions as required by EASA AD 2011-0114R2, a time flying with operational limitations.
	developed a modificat Dassault Aviation Serv	-0114R2 was issued, Dassault Aviation have ion (M1245 to be embodied through accomplishment vice Bulletin F7X-214) of the Fly-By-Wire (FBW) curre ves the monitoring and reversion logic of the Horizont

EASA Form 110 Page 1/3

EASA AD No: 2011-0169

Stabilizer Trim System (HSTS). This modification results in earlier failure detection and quicker reversion.

Dassault Aviation have issued as well Revision 13 of the Aircraft Flight Manual (AFM) which incorporates the changes introduced in EASA AD 2011-0114R2 (CP55 and 56) as well as the new changes resulting from Dassault Aviation M1245 (CP58).

Dassault Aviation have introduced as well operational tests of the HSTS electric motors reversion relays and of the HSTS trim emergency command into the Chapter 5.40 of F7X Aircraft Maintenance Manual (CP010).

For the reasons described above, this AD requires:

- 1. accomplishing Dassault Aviation modification (M1245),
- 2. amending the AFM,
- 3. implementing the operational tests of the HSTS electric motors reversion relays and of the HSTS trim emergency and and.

Accomplishment of all the above actions stores he full original certified flight envelope of the aeroplane.

This AD is still considered to be an intering measure. Pending results of the ongoing analysis, further AD action reasonable to restore the full original certified MEL for aeroplanes fit of with RW standard 2.1.7.3.

Effective Date:

05 September 2011

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

Required as indicated unless proviously accomplished:

- (1) Within 12 months after raying accomplished the actions as specified in EASA AD 2011-0114B2 of Cardin 12 months after the effective date of this AD, whichever occurs by upgrade the Fly-By-Wire system installed in the aeroplane to 2 113 st indard, in accordance with the accomplishment instructions of Dassault Mation Service Bulletin F7X-214. Concurrently to the aeroplant modification, amend the AFM to revision 13.
- (2) Within 5 050 must hours (FH) after modifying the aeroplane as required by paragraph (1) of this AD and thereafter at intervals not to exceed 5 050 FH, accomplish ar operational test of the HSTA electric motors reversion relays as described in Dassault Aviation revision 2 to Chapter 5.40 of F7X AMM
- (3) Within \$50 FV after modifying the aeroplane as required by paragraph (1) of his AD and thereafter at intervals not to exceed 650 FH, accomplish an operational test of the HSTA trim emergency command as described in Passaul Aviation revision 2 to Chapter 5.40 of F7X AMM.
- (4) If during any operational test as required by paragraphs (2) and (3) of this AD the HSTA electric motors reversion relays or the trim emergency cordinand, as applicable, fail the test, before next flight, contact Dassault ation for approved repair instructions and, within the time period specified in those instructions, accomplish the repair accordingly.
- (5) Compliance with the new Certification Maintenance Requirements as required by paragraphs (2), (3) and (4) of this AD can be demonstrated by:
 - (5.1) Revising as follows, the Aircraft Maintenance Programme on the basis of which the Operator or the Owner ensures the continuing airworthiness of each operated aeroplane:
 - Incorporate the Operational Tests of the HSTA electric motors reversion relays and the HSTA Trim emergency command as described in revision 2 of Chapter 5.40 of F7X AMM DGT 107838.
 - (5.2) Complying with the approved Aircraft Maintenance Program described in paragraph (5.1) of this AD.

EASA Form 110 Page 2/3

Ref. Publications:	Dassault Aviation Service Bulletin F7X-214 Original dated 30 August 2011.	
	Dassault Aviation F7X Aircraft Maintenance Manual DGT107838 chapter 5.40 revision 2.	
	Dassault Aviation F7X Aircraft Flight Manual DGT105608 Revision 13.	
	The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.	
Remarks :	If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.	
	The required actions and the risk allowance have granted the issuance of a Final AD with Request for Comments, postponing the public consultation process after publication.	
	3. Enquiries regarding this AD should be recorded to the Safety Information Section, Executive Directorate, EASA E-mail. Ds@easa.europa.eu.	
	For any question concerning the technic ment of the requirements in this AD, please contact your Dass and alcon Technical Assistance:	
	- For Europe, Middle East and Mr ca bused operators: Hot Line: (33) 1 47 11 3. 37 / 1 33) 1 47 11 89 49	
	 For USA, Canada and Mexic, based operators: Help Desk: (1) 800-2FA CON (325266) / Fax: (1) 201 541 4740 	
	- All other areas: Help Desk: (1) 201 541 47 7 / Fax: (1) 201 541 4740	

EASA Form 110 Page 3/3