

1. Approving Competent Authority/Country
Autorité Compétente/Pays

DIRECTION GENERALE DE
L'AVIATION CIVILE
FRANCE

4. Organisation Name and Address :
Nom et Adresse de l'Organisme :

Head office
Siège Social

THALES AVS FRANCE SAS
75-77, Avenue Marcel Dassault
33700 MERIGNAC
France

AUTHORISED RELEASE CERTIFICATE
Certificat Libérateur Autorisé
EASA FORM 1
Formulaire 1 de l'EASA

3. Form Tracking Number
N° de repère du Formulaire

Z712894-5-00

5. Work Order / Contract / Invoice
Bon de commande / Contrat / Facture

R416189

THALES

6. Item / Item	7. Description / Description	8. Part No. / N° de pièce	9. Qty / Qté	10. Serial No. / N° série	11. Status / Work / Etat / Travaux
001	ELAC B (ELEVATOR AILERON COMPU TER)	3945128218	1	ELACVB010264	INSPECTED/TESTED

12. Remarks / Remarques

According to attached workshop report Notification N°:3825211
Acceptance test procedure : CMM 27-93-35A REV21 JUN 27/22 TT 27-93-35B REV20 AUG 15/22 IPC 27-93-35C REV24 JUN 27/22
Amendments : A;B;C;D;E;F;G;H;J

Repair centre : 5 rue Marcel Dassault # BP 140 86101 CHATELERAULT CEDEX France

The work identified in Block 11 and described herein has been accomplished in accordance with 14 CFR part 43 and in respect to that work, the items are approved for release or return to service under certificate no. D15Y806M
TCCA Approval No. : 897-44

13a. Certifies that the item identified above was manufactured in conformity to:
Certifie que les éléments identifiés ci-dessus ont été fabriqués conformément aux:

- ☐ approved design data and are in a condition for safe operation
démontée de conception approuvée et sont en état de fonctionner en toute sécurité
- ☐ non approved design data specified in block 12
démontée de conception non approuvée spécifiée dans le case 12

13b. Authorized Signature
Signature autorisée

13c. Approval/Authorization Number
Numéro d'agrément d'autorisation

13d. Name / Nom
13e. Date (dd-mm-yyyy) / Date (jj-mm-aaaa)

14a. ☒ Part 145.A.50 Release to Service
Approbation pour remise en Service
Selon Partie 145.A.50
Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part 145 and in respect to that work, the items are considered ready for release to service.
Certifie que, sauf indication contraire spécifiée en case 12, les travaux identifiés en case 11 et décrits en case 12 ont été réalisés conformément à la partie 145 et qu'au vu de ces travaux, les pièces sont considérées prêtes à la remise en service.

14b. Authorised Signature
Signature autorisée

14c. Certificate/Approval Ref. No
N° du Certificat/Agrément
FR145.0113

14d. Name / Nom
Alain PAGE F9111-5-SMV

14e. Date (dd mm yyyy) / Date (jj mm aaaa)
08 sep 2023

USER/INSTALLER RESPONSIBILITIES / Responsabilités de l'utilisateur/installateur

This certificate does not automatically constitute authority to install the item(s).
Ce document ne constitue pas forcément l'autorisation d'installer l'(es) item(s).

Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1 it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1.
Quand l'utilisateur/installateur travaille selon les réglementations d'une autorité de navigabilité différente de l'autorité de navigabilité mentionnée dans la case 1, il est essentiel que l'utilisateur/installateur s'assure que son autorité de navigabilité accepte les items libérés par l'autorité de navigabilité mentionnée dans la case 1.

Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.
Les indications portées en cases 13a et 14a ne constituent pas une certification de montage. Dans tous les cas le dossier d'entretien de l'aéronef doit contenir une certification d'installation délivrée conformément aux règlements nationaux par l'utilisateur/installateur avant que l'aéronef puisse voler.

1. Approving Competent
Authority/Country
CAA/UK

2.

AUTHORISED RELEASE CERTIFICATE

CAA FORM 1

3. Form Tracking Number
Z2247852-5-00

4. Organisation Name and Address: Head Office

THALES AVS FRANCE SAS
75-77 Avenue Marcel Dassault
33700 Mérignac
France

5. Work Order/Contract/Invoice
R416189

THALES

6. Item	7. Description	8. Part No	9. Qty.	10. Serial No	11. Status/Work
001	ELAC B (ELEVATOR AILERON COMPUTER)	3945128218	1	ELACVB010264	INSPECTED/TESTED

12. Remarks

According to attached workshop report Notification N° :3825211
Acceptance test procedure : CMM 27-93-35A REV21 JUN 27/22 TT 27-93-35B REV20 AUG 15/22 IPC 27-93-35C REV24 JUN 27/22
Amendments :A,B;C;D;E;F;G;H;J

Repair centre : THALES AVS FRANCE SAS Customer Support Centre France 5 rue Marcel Dassault # BP 140 86101 CHATELLERAULT CEDEX
France Tel : 33 (0)5 49 02 10 00

13a. Certifies that the items identified above were manufactured in conformity to :

- ☒ approved design data and are in a condition for safe operation
☐ non-approved design data specified in block 12

14a. ☒ Part 145.A.50 Release to Service ☐ Other regulation specified in block 12

Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part 145 and in respect to that work the items are considered ready for release to service.

13b. Authorised Signature	13c. Approval/Authentication Number	14b. Authorised Signature	14c. Certificate/Approval Ref. No
		F9111-5-8MAY	UK.145.01617
13d. Name	13e. Date	14d. Name	14e. Date
		Alain PAGE	08 sep 2023

USER/INSTALLER RESPONSIBILITIES

USER/INSTALLER RESPONSIBILITIES

This certificate does not automatically constitute authority to install the item(s).

Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1.

Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

SUMMARY RESULTS FILE

S M A R T T E S T P R O G R A M
E L E V A T O R A N D A I L E R O N C O M P U T E R

(E L A C)

MANUFACTURER : THALES AVS FRANCE SAS

UUT PART-NUMBER

: 3945128223
: 3945128221
: 3945128220
: 3945128219
: 3945128218
: 3945128217
: 3945128216
: 3945128215

SPECIFICATION : CMM 27-93-35B
ISSUE : ATLAS DATED JUN 24/21

TEST PROGRAM : 6-H7FK

RELEASE : 02

TUA REFERENCE : 6-H770-0103
OR : 6-H770-0203
OR : 6-H770-0104
OR : 6-H770-0204
OR : 6-H770-0105
OR : 6-H770-0205
OR : 6-H770-0106
OR : 6-H770-0206

SPECIFIC CABLE : L60000000H51000
SPECIFIC TOOL : L6H2727Z0H20200
OTHERS : ESA AND ESA CABLE
: TRAY 6 MCU

O P E R A T O R L O G

UUT PART-NUMBER : 3945128218
AMENDMENT : A;B;C;D;E;F;G;H;J
SERIAL-NUMBER : ELACV8010264
TUA REFERENCE : 6-H770-0205
TUA SERIAL-NUMBER : L115
OPERATOR : JM
TEST JUSTIFICATION : FINAL TEST
ATE NAME : SXC27


3350

DATE : SEP 05/2023 TIME : 08:38:03

- *****
- 1: EEPROM BITE (00:01:23) GO
 - 2: BONDING & LIGHTNING PROTECTIONS (00:10:56) GO
 - 3: POWER SUPPLIES (00:06:31) GO
 - 4: DIGITAL CORE (00:01:01) GO
 - 5: INTERFACES (00:01:32) GO
 - 6: DISCRETES OUTPUTS (00:01:46) GO
 - 7: DISCRETES INPUTS (00:04:32) GO
- *****

- 8: ARINC INPUTS/OUTPUTS (00:01:07) GO
- 9: SUPERVISION (00:02:51) GO
- 10: ANALOG INPUTS (00:13:03) GO
- 11: DIFFERENTIAL IMPEDANCE, ANI FILTERING (00:01:56) GO
- 12: ANALOG OUTPUTS (00:04:18) GO
- 13: WATCHDOG-HEALTHY (00:00:16) GO
- 14: SAFETY TESTS/OPERATIONAL MODE ACTIVATION (00:06:14) GO

C O M P L E T E T E S T

HIGHEST USER MODE : Integration
CHECKED RESULTS : 3744
TOTAL FAILURES : 0

DATE : SEP 05/2023 TIME : 09:43:22

SN WRITTEN IN EEPROM : 010264
