

1. Approving Competent Authority/Country
Autorité compétente en matière d'agrément/Pays
DIRECTION GENERALE DE
L'AVIATION CIVILE
FRANCE

2. AUTHORISED RELEASE CERTIFICATE

Certificat Libérateur Autorisé
EASA FORM 1
Formulaire 1 de l'EASA

3. Form Tracking Number
N° de repère du Formulaire
AX000300240285

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

Satran Electronics & Défense
2 boulevard du Général Martial Valin
75015 PARIS
France

5. Work Order / Contract / Invoice
Bon de commande / Contrat / Facture
R413331

6. Item / Item

7. Description / Description
DATA LOADING ROUTING BOX (DLRB)

8. Part No. / N° de pièce
DLRBA000

9. Qty / Qte
1

10. Serial No. / N° série
5113

11. Status / Work / Etat / Travaux
Repaired

12. Remarks

Incoming AMDT : A - Outgoing AMDT: A
Item listed has been repaired/modified/inspected/tested as per CMM 31-35-52, Rev. 04, Dated 01 AUG 2016.
- And per SB DLRBA-31-002 , Dated 12 JAN 2016.
- And per FFT0613989.
AD/CN none
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 N° U78Y370Y.
Technical Investigation Report 300240285 attached.

2EXCEL ENGINEERING LTD
TRUE & CERTIFIED COPY
SIGNED
DATE 28/01/23

13a. Certifies that the items identified above were 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
données de conception approuvées et sont en état de fonctionner en toute sécurité
☐ non-approved design data specified in block 12
données de conception non approuvées spécifiées dans la case 12

14a. ☒ Part 145.A.50 Release to Service ☒ Other regulation specified in block 12
Approbation pour remise en service Autre réglementation précisée en case 12
Selon Partie 145.A.50

Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in bloc 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.

13b. Authorised Signature
Signature autorisée

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

14b. Authorised Signature
Signature autorisée

SM
647

14c. Certificate / Approval Ref. No
N° du Certificat / Agrément
FR.145.0181

13d. Name / Nom

13e. Date (dd mmm yyyy) / Date (jj mmm aaaa)

14d. Name / Nom
S.GHARSALLAH

14e. Date (dd mmm yyyy) / Date (jj mmm aaaa)
18 AUG 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 AX000300240285
4. Organisation Name and Address: Safran Electronics & Defense		2 boulevard du Général Martial Valin 75015 PARIS France				5. Work Order / Contract / Invoice R413331
6. Item /	7. Description DATA LOADING ROUTING BOX (DLRB)	8. Part No. DLRBA000	9. Qty 1	10. Serial No. 5113	11. Status / Work Repaired	
12. Remarks Incoming AMDT : A - Outgoing AMDT: A Item listed has been repaired/modified/inspected/tested as per CMM 31-35-52, Rev. 04, Dated 01 AUG 2016. - And per SB DLRBA-31-002, Dated 12 JAN 2016. - And per FFT0613989. AD/CN none Technical Investigation Report 300240285 attached.						
13a. Certifies that the items identified above were manufactured in conformity to:		14a. ☒ Part 145.A.50 Release to Service ☐ Other regulation specified in block 12				
☐ approved design data and are in a condition for safe operation ☐ non-approved design data 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 / Authorisation Number	14b. Authorised Signature 		14c. Certificate / Approval Ref. No UK.145.01595		
13d. Name	13e. Date (dd mmm yyyy)	14d. Name S. GHARSALLAH		14e. Date (dd mmm yyyy) 18 AUG 2023		
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.						



TECHNICAL INVESTIGATION REPORT



MASSY - SUPPORT
100 avenue de Paris
F-91344 MASSY CEDEX

Service order : 21539991
Notification : 300240285

EQUIPMENT IDENTIFICATION :

Designation : DATA LOADING ROUTING BOX (DLRB)
P/N : DLRBA000
S/N : 5113
NGS : 360-00692-000
Amendment : A
Manufacture date : 2009/02

REMOVAL IDENTIFICATION :

Orderer Customer Name : AJ WALTER AVIATION LTD / 1004300
Purchase Order Number : R413331
Warranty requested : NO
Failure date / Removal : 16-JUN-2023
Date : 27-JUN-2023
Warranty granted : N/A

CAUSE OF THE EQUIPMENT RETURN :

Description : S/W LOADING FAILED. GUIDE PIN DAMAGED

REMOVAL TREATMENT

CONSTAT SAFRAN

ELECTRONICS & DEFENSE:

Detailed desc. :
01 - Visual Inspection : Conform to approved maintenance data listed at the technical publication
02 - NVM Retrieve / Bite Memory : Not Applicable
03 - Input Functional Tests : Functional tests failed at chapters => Chapter 2.1.3 Title NOTHEALTHY OUTPUT
04 - Defective Parts : Defective Subset => PSAB BOARD, PROGRAMMED PARI BOARD, PECO BOARD
05 - Warranty Treatment : Not applicable
REPAIR ACTION :
Repair Act.: Repaired
Short description :
Detailed description : / REPAIR TREATMENT /
06 - Level 1 Repair Actions according to approved maintenance data listed at the technical publication : Cleaning

TECHNICAL INVESTIGATION REPORT



MASSY - SUPPÔRT
100 avenue de Paris
F-91344 MASSY CEDEX

Service order : 21539991
Notification : 300240285

Final testing
07 - Level 2 Repair Actions according to approved maintenance data listed at the technical publication :
Replacement of PSAB BOARD
Replacement of PARI BOARD, PROGRAMMED
Replacement of PECO BOARD
08 - Level 3 Repair Actions according to approved maintenance data listed at the technical publication :
Not Applicable
09 - Modification according to approved maintenance data listed at the technical publication :
Applied SB => SB DLRBA-31-002
In case of failure function
10 - Others Approved Maintenance Data Not Listed at the Technical Publication :
FFT0613989

TECHNICAL OPERATION / INSPECTION SUB-ASSEMBLY AND COMPONENT REPLACED

PN : 360-03769-001
Serial N° : SEM1504
Amendment : A
Principal Imp : X
Operation: Replacement

Material	PN to be replaced	Serial or batch number	Replacement PN	Ch	Ref Topo	Principal imp
PRINTED CIRCUIT BOARD ASSEMBLY	360-03769-001	SEM1504	360-03769-001	SEM21426		X

TECHNICAL OPERATION / INSPECTION SUB-ASSEMBLY AND COMPONENT REPLACED

PN : 360-03820-001
Serial N° : 8911243
Amendment : /
Principal Imp : X
Operation: Replacement

Material	PN to be replaced	Serial or batch number	Replacement PN	Ch	Ref Topo	Principal imp
PRINTED CIRCUIT BOARD ASSEMBLY	360-03820-001	8911243	360-03820-001	89114910		X

MASSY - SUPPORT
100 avenue de Paris
F-91344 MASSY CEDEX

Service order : 21539991
Notification : 300240285



TECHNICAL OPERATION / INSPECTION
SUB-ASSEMBLY AND COMPONENT REPLACED

PN 360-03763-001 - PRINTED CIRCUIT BOARD ASSEMBLY

Serial N° : SEM1352
Amendment : A
Principal Imp : X

Operation:
Replacement

Material	PN to be replaced	Replacement PN	Ch	Principal
PRINTED CIRCUIT BOARD ASSEMBLY	360-03763-001 Serial or batch number SEM1352	360-03763-001 Serial or batch number SEM91349	Ref Topo	X

COMPONENT LIST :

TECHNICAL PUBLICATION:

Document	Number	Rev	Date
SB	DLRBA-31-002	00	12-JAN-2016
CMM	31-35-52	04	01-AUG-2016

VISA

VISA : AUTHOR

Name : F.HUBERT

Date : 02-AUG-2023

Signature: