1 Approving Competent Authority/Country CAA / UNITED KINGDOM	**AUTHORISED RELEASE CERTIFICATE** EASA FORM 1	3. Form Tracking Number **E0029008**
4. Organisation Name and Address BAE SYSTEMS	BAE Systems (Operations) Ltd Airport Works Marconi Way Rochester GB ME1 2XX	5. Work Order/Contract/Invoice Project : Sales Order: 205349 Customer P/O: R340640

6. Item	7. Description	8. Part Number	9. Quantity	10. Serial/Batch No.	11. Status/Work
0001	FLAP SLAT ELECTRONIC UNIT	285N0011-37	1	000117	Repaired

12. Remarks

A J WALTER AVIATION LTD
THE HEADQUARTERS
MAYDWELL AVENUE
WEST SUSSEX
SLINFOLD
RH13 0AS
United Kingdom

REPAIRED, INSPECTED & TESTED IAW CMM 27-51-52 ISS 29 DATED 13/JUN/2018

WORKS ORDER 278134-1

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 return to service under certificate No. NUYY653L.

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

No approved design data and are in condition for safe operation

No non-approved design data specified in block 12

14a Yes Part-145.A.50 Release to Service

Yes Other regulation specific 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.
		AS QA 50	UK.145.00890
13d. Name	**13e. Date (dd/mmm/yyyy)**	**14d. Name**	**14e. Date (dd/mmm/yyyy)**
		Stuart POTTER	05 Sep 2018

EASA Form1 - Issue 2 (*) Installer must cross-check eligibility with applicable technical data

USER / INSTALLER RESPONSIBILITIES

This certificate does not automatically constitute authority to install.

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 / hers airworthiness authority accepts items from the airworthiness authority specified in block 1.

Statements in blocks(s) 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.

1 Approving Competent Authority/Country	AUTHORISED RELEASE CERTIFICATE EASA FORM 1	3. Form Tracking Number
CAA / UNITED KINGDOM		**E0029008**

4. Organisation Name and Address		5. Work Order/Contract/Invoice
BAE SYSTEMS	BAE Systems (Operations) Ltd Airport Works Marconi Way Rochester GB ME1 2XX	Project : Sales Order: 205349 Customer P/O: R340640

6. Item	7. Description	8. Part Number	9. Quantity	10. Serial/Batch No.	11. Status/Work
0001	FLAP SLAT ELECTRONIC UNIT	285N0011-37	1	000117	Repaired

12. Remarks

REPAIRED, INSPECTED & TESTED IAW CMM 27-51-52 ISS 29 DATED 13/JUN/2018

WORKS ORDER 278134-1

A J WALTER AVIATION LTD
THE HEADQUARTERS
MAYDWELL AVENUE
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13b. Authorised Signature	13c. Approval/Authorisation Number	14b. Authorised Signature AS QA 50	14c. Certificate/Approval Ref. No. UK.145.00890
13d. Name	13e. Date (dd/mmm/yyyy)	14d. Name Stuart POTTER	14e. Date (dd/mmm/yyyy) 05 Sep 2018

EASA Form1 - Issue 2

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BAE SYSTEMS (OPERATIONS) LTD
AIRPORT WORKS
MARCONI WAY
ROCHESTER
KENT, ME1 2XX, GB

Failure Detail Report

Part No Received:	285N0011-37	**Part No Despatched:**	285N0011-37
NSN Received:		**NSN Despatched:**	
Serial Received:	000117	**Serial Despatched:**	000117
Date In:	01-JUN-18	**Date Out:**	05-SEP-18
Repair Order No:	278134	**Operator:**	A J WALTER AVIATION LTD
Work Order:	164865 - 278134-1	**Aircraft:**	BOEING 747
		Aircraft Tail No:	VT-BDQ
Contract:	R340640	**System:**	COMMON
Project Number:			

Equipment Description: FLAP SLAT ELECTRONIC UNIT

Visual On Receipt: 1 OFF REAR COVER FASTENER MISSING.

Flight Snag Details: SNAG-MCDP COD 111791,131801,121811,FSEU-1 FAILED LIGHT ON DURING BITE. FSEU FAILED LIGHT ON DURING BITE

Primary Failure(s):

Fails Initial Test IAW CMM 27-51-52, Rev29(13/06/18). Failed 6.3.3 BIT Mode Tests Steps 26 (330100), 30 (330500), 31 (330600) and 6.3.2.2 End Power Supply Tests Step 178 & 179 (422000).
Fails Initial Inspection IAW CMM 27-51-52, Rev29 (13/06/18). Warning Decal on rear panel in incorrect loaction as per CMM. With Ref to 1st visual in incoming receipt ther is no Rear cover fastener missing and is ok.
Warning Decal BAC27TEX3270 replaced.
All Cards removed and tested individually and pass test. All cards fitted to GOLD Unit and confirmed working satisfactory therefore faults are in Chassis. When run on re assembly unit failed earlier at 6.3.2 Power Supply Tests Steps 19, 20, 23 & 24 (322000). Faults related to Initial Test failures.
Regulator U3 SG1532J883B on A7 possible cause of 5v fault, replaced on A7 card(285N0024-1 s/n 156)-Humisealed
U1 rectifier LM150KSTEEL/883B suspect on power supply t 285N0021-3. Replaced U1 rectifier on power supply t 285N0021-3.
Q2 transistor JANTX2N3716 suspect on power supply 285N0021-3. Replaced.
Unit continues to fail power supply tests. Gold unit run and passes power supply test. Front cards A1 to A6 and power supply card PN 285N0024-1 removed from customer unit and run in Gold unit and Pass. Failures have been confirmed to rest of power supply. Suspect U1 and U2 on A2A3 PN 285N0025, and Q1 on A2A2 PN 285W0025 to be faulty. Require replacement.
Replaced Q1 JANTX2N3716 on A2A2 PN 285W0025 in power supply PN 285N0021-3.
Replaced U1 280-22002-325 on A2A3 PN 285W0025 in power supply PN 285N0021-3.
Replaced U2 280-22002-330 on A2A3 PN 285W0025 in power supply PN 285N0021-3.
Replacement of parts has rectified power failures other than +5V. Suspect U2 (A2A2) as being faulty however there are no replacements in stock. U2 has been swapped from a scrapped unit (SN:000194) and now passes full end to end. U2 to be removed from unit SN:000117 and returned to scrapped unit SN:000194. New U2 (A2A2) to be ordered and replaced.21/08/18- U2 removed

from unit SN:000117 and returned to scrapped unit SN:000194- New U2 LM150KSTEEL/883B (A2A2) replaced in unit SN:000117
No NVM available due to fault type.
Unit passed final test iaw CMM 27-51-52, rev 29.
Customer Complaint Confirmed (Yes/No):No. Incoming Test Results (Pass/Fail):Fail. Was Modification or Service Bulletin performed (Yes/No + SB #):No. Validate correctness of manual data collection (YES):yes.

General Failure(s):

Mod State On Receipt: A

Mods Embodied: