

1 Approving Competent
Authority/Country

CAA UK

AUTHORISED RELEASE CERTIFICATE CAA FORM 1

3. Form Tracking Number
CAA0006814

4. Organisation Name and Address

BAE Systems (Operations) Limited
Marconi Way
Rochester
United Kingdom
ME1 2XX

5. Work Order/Contract/Invoice
Project :
Sales Order: 272122
Customer P/O: R419525

BAE SYSTEMS

6. Item	7. Description	8. Part Number	9. Quantity	10. Serial No.	11. Status/Work
0001	MOD ASSY - PROXIMITY SWITCH ELECTRONIC UNIT	285A1600-6	1	F05526	Repaired

12. Remarks

REPAIRED, TESTED AND INSPECTED I.A.W. CMM 32-61-20 REV. 37 DATED 24-JAN-2020
WORK ORDER : 315615-1

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. NUTY653L.

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

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

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

☒ Yes 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/Authorisation Number	14b. Authorised Signature 	14c. Certificate/Approval Ref. No. UK.145.00890
13d. Name	13e. Date (dd/mm/yyyy)	14d. Name Adrian GODDEN	14e. Date (dd/mm/yyyy) 07 Dec 2023

CAA Form 1-MF/CAO/145 Issue 1

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 / 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

EASA

AUTHORISED RELEASE CERTIFICATE EASA FORM 1

3. Form Tracking Number
EASA0008146

4. Organisation Name and Address

BAE Systems (Operations) Limited
Marconi Way
Rochester
United Kingdom
ME1 2XX

5. Work Order/Contract/Invoice
Project :
Sales Order: 272122
Customer P/O: R419525

BAE SYSTEMS

6. Item	7. Description	8. Part Number	9. Quantity	10. Serial No.	11. Status/Work
0001	MOD ASSY - PROXIMITY SWITCH ELECTRONIC UNIT	285A1600-6	1	F05526	Repaired

12. Remarks

REPAIRED, TESTED AND INSPECTED I.A.W. CMM 32-61-20 REV. 37 DATED 24-JAN-2020
WORK ORDER : 315615-1

12a. Certifies that the items identified above were manufactured in conformity to :

☒ approved design data and are in 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/Authorisation Number	14b. Authorised Signature 	14c. Certificate/Approval Ref. No. EASA.UK.145.00890
13d. Name	13e. Date (dd/mm/yyyy)	14d. Name Adrian GODDEN	14e. Date (dd/mm/yyyy) 07 Dec 2023

EASA Form 1 - MF/CAO/145 Issue 3

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 / 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.

BAE SYSTEMS (OPERATIONS) LIMITED
MARCONI WAY
ROCHESTER
KENT, ME1 2XX, GB

Failure Detail Report

Part No Received:	285A1600-6	Part No Despatched:	285A1600-6
NSN Received:		NSN Despatched:	
Serial Received:	F05526	Serial Despatched:	F05526
Date In:	13-NOV-23	Date Out:	28-NOV-23
Repair Order No:	315615	Operator:	A J WALTER AVIATION LTD
Work Order:	203503 - 315615-1	Aircraft:	BOEING 737
Contract:	R419525	Aircraft Tail No:	F-GZHM
Project Number:		System:	COMMON
Equipment Description:	MOD ASSY - PROXIMITY SWITCH ELECTRONIC UNIT		
Visual On Receipt:	DUST CAPS FITTED. CONNECTOR PINS SATISFACTORY. TAMPER SEALS INTACT		
Flight Snag Details:	FDR READOUT SHOWS ALWAYS ON GROUND		
Primary Failure(s):	<p>Initial tested IAW CMM 32-61-20 rev 37. Failed converter A on cats passed in alt entry on 182 ATS. Passed. Inspected IAW CMM 32-61-20 rev 37. BAE seals intact, dust caps fitted, no external or internal defects found. config done on previous visit. Passed. NVM Reviewed - multiple fault IDs relating to HYD QTY B NORM / BITE. These NVM codes relate to FL401 on SYS2. Block test performed, no faults found. Additional testing complete with no failure found. Full internal inspection and found multiple pieces of FOD. FOD removed and contained. Verified track continuity and isolation on FL401 pins 3 and 4 on both systems, no evidence found of potential issue. Suspect root cause may be caused by FOD as most of the FOD was not contained and could freely move. Joints on FL401 (SYS1 and SYS2) all reflowed and humisealed. Carried out final inspection IAW CMM 32-61-20 Rev37. Passed. Unit final tested IAW CMM 32-61-20 rev 37. Passed.</p> <p>Customer complaint Confirmed (YES/NO):no. Incoming test results (PASS/FAIL):pass. Was Modification or Service Bulletin performed (YES/NO + SB#):NO. Has pre-bake been recorded if required? (Y/N/N.A):n. Record OPS Part Number loaded into unit:362A6450P2. Validate correctness of manual data collection (YES):Yes. Root Cause of failure (Prt No. + Circuit Ref):REPAIR.</p>		
General Failure(s):			
Mod State On Receipt:	NIL		
Mods Embodied:			