

1. Approving Competent
Authority/Country
CAA/UK

2.

AUTHORISED RELEASE CERTIFICATE

3. Form Tracking Number

Z2247809-5-00

CAA FORM 1

4. Organisation Name and Address: Head Office

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

5. Work Order/Contract/Invoice

3753286

THALES

6. Item	7. Description	8. Part No	9. Qty.	10. Serial No	11. Status/Work
001	AIRBOURNE PRINTER	C12349DA02	1	4416	REPAIRED

12. Remarks

According to attached workshop report Notification N°.3753286
Acceptance test procedure : CMP/PL 31-33-01 REV024 AUG 17/22 TT 31-33-01A REV11 MAY 15/2021 IPC 31-33-01C REV05 JUL31/03
Amendments : NONE

Repair centre : THALES AVS FRANCE SAS Customer Support Centre France 5 rue Marcel Dassault # BP 140 86101 CHATELLERAULT CEDEX

12 JAN 2024

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

13d. Name



2400458

14b. Authorised Signature

F9111-5-SMP

14c. Certificate/Approval Ref. No

UK.145.01617

14d. Name

David PERROT

14e. Date

07 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.

1. Approving Competent Authority/Country
Autorité Compétente/Pays

2.

AUTHORISED RELEASE CERTIFICATE

Certificat Libératoire Autorisé

EASA FORM 1

Formulaire 1 de l'EASA

3. Form Tracking Number
N° de repère du Formulaire

Z712829-5-00

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

THALES

5. Work Order / Contract / Invoice
Bon de commande / Contrat / Facture
3753286

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 AIRBOURNE PRINTER

C12349DA02

1

4416

REPAIRED

12. Remarks / Remarques

According to attached workshop report Notification N°:3753286
Acceptance test procedure : CMLP 31-33-01 REV024 AUG 17/22 TT 31-33-01A REV11 MAY 15/2021 IPC 31-33-01C REV05 JUL31/03
Amendments : NONE

Repair centre : 5 rue Marcel Dassault # BP 140 86101 CHATELLERAULT 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
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 le bloc 12

13b. Authenticated Sign
Signature authent

FR A M86665 01.01.24 17:20 T



Certificat
ant d'autorisation
Sticker

Section Number
N° d'autorisation

14d. Name / Nom
David PERROT F9111-5-SMP

14b. Authorised Signature
Signature autorisée

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

14e. Date (dd mm yyyy) / Date (jj mm aa)
07 sep 2023

394 648065

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'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 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.

Installateurs 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 d'installation délivrée conformément aux règlements nationaux par l'utilisateur/installateur avant que l'aéronef puisse voler.

1 国家 COUNTRY
中国 P.R. CHINA

2. 中国民用航空总局 CAAC

☐ 符合性 Conformity

☒ 适航性 Airworthiness

3. 证书编号 Certificate Ref. N°:

批准放行证书 / 适航批准标签
AUTHORIZED RELEASE CERTIFICATE / AIRWORTHINESS

APPROVAL TAG

Z2203585-5-00

4. 单位 ORGANIZATION

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

5. 工作单 / 合同单 / 货单

WORK ORDER/CONTRACT/INVOICE
3753286

THALES

6 序号 Item	7 内容 Description	8 件号 Part N°	9 适用性 Eligibility*	10 数量 Qty	11 系列号 / 批号 Serial/Batch N°	12 产品状态 Status/Work
01	AIRBOURNE PRINTER	C12349DA02	VARIOUS	1	4416	REPAIRED

13 备注 Remarks

According to attached workshop report Notification N°: 3753286
Acceptance test procedure : CMPL 31-33-01 REV024 AUG 17/22 TT 31-33-01A REV11 MAY 15/2021 IPC 31-33-01C REV05 JUL31/03
Amendments : NONE

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

14 新产品 NEW PARTS :

兹声明上述产品除第13项的其它规定以外,已按照上述国家适航条例进行制造/检查,并且该产品(出口产品)符合经批准的设计资料和进口国提出的专用要求。

Certifies that the part(s) identifies above except as otherwise specified in block 13 was(were) manufactured/inspected in accordance with the airworthiness regulations of the stated country and/or in the case of parts to be exported with the approved design data and with the notified special requirements of the importing country.

16 批准人签名

18 批准日期

07.09.2023

17 批准人姓名 (打印的)

NAME (Printed) David PERROT F9111-5-SMP

15 使用过的产品 USED PARTS :

兹声明上述产品除第13项的其它规定以外,已按照上述国家适航条例和进口国通知的特殊要求进行了工作,该产品处于安全可用状态可以批准放行使用。

Certifies that the work specified above except as specified in block 13 was carried out in accordance with the airworthiness regulations of the stated country and the notified special requirements of the importing country and in respect to that work, the part(s) is (are) in condition for safe operation and considered ready for release to service (over).

19 中国民航总局授权

ISSUED BY OR ON BEHALF OF THE CAAC

APPROVAL NUMBER : F03300168

AAC-038(12/94)

使用者 / 安装者职责

USER/INSTALLER RESPONSIBILITIES

* 参阅产品目录详细查找适用性

(*) Cross-check eligibility for more details with parts catalogue

- (1) 必须明确: 本文件并不批准零件 / 组件 / 部件可以装到有关产品上。
(2) 当使用者 / 安装者使用的是所在国适航当局的条件, 而不是本表第1项中所指国家适航当局的条件时, 使用者 / 安装者必须保证所在国的适航当局能接受所指国家适航当局批准出口的零件 / 组件 / 部件。
(3) 表中第14、第15项的陈述, 并不说明本表是安装批准。在所有情况下, 航空器使用前, 航空器使用者 / 安装者应把按本国适航条例颁发的安装批准放入维修记录中。

1. It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.
2. Where the user/installer works in accordance with the national regulations of an Airworthiness Authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in block 1 it is essential that the user/installer ensures that his/her Airworthiness Authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in block 1.
3. Statements 14 and 15 do not constitute installation certification, in all cases the aircraft maintenance record must contain an installation certification issued in accordance with the national regulation by the user/installer before the aircraft may be flown.

Notification : 3753286

Date: 24.SEP.2021

Customer : QATAR AIRWAYS GROUP Q.C.S.C	Purch. order : 3753286	TSN : 60526:41 H
P/N IN : C12349DA02:F9111	Date : 14.SEP.2021	TSO : 60526:41 H
S/N IN : 4416	P/N Exch : C12349DA02:F9111	TSR : UNK H
Amdt IN : None	S/N Exch : 4733	CSN : 7487
	Amdt Exch : None	CSO : 7487
P/N OUT : C12349DA02:F9111		
S/N OUT : 4416		
Amdt out : None		
Cust. P/N :	Container type : CSC TK Location	Exam. type :
Description : AIRBOURNE PRINTER	Packaging :	Devis : YES
	Container :	
	Seals : Seals intacts	
	ESD protection : Yes: ESD conform	
Air. Type : 777		Release Cert :
Air. Num : 777/36101		CAA United Kingdom
Air. Regist. : A7-BBG		CCAR145
		EASA / FAR / TCCA Part 145

REASON OF REMOVAL

Date of removal : 12.SEP.2021

PRINTER ROLLER INTMTNT OPS.

PO/RO Review : Carine JARRY



Notif : 3753286

Cost mentioned in Repair Order is indicative and only for internal purposes (except for fixed / contractual price agreed with Qatar Airways).
 "Approval from Qatar Airways is mandatory before incorporation of any SB mentioned herewith, irrespective of the cost.
 This condition is also applicable for SB's which are not part of this Repair Order"
 C/OUT AS REQUIRED IN ACTION / INSPECT / CLEAN AND RECERTIFY
 For queries, send mail to SCRepairmgnt@qatarairways.com.qa
 NOTES:

#Supplier shall ensure that their staff is trained on Safety Management System (SMS)
 #Supplier shall provide Digital Photographs in case of mishandling & extensive damage
 #Cost mentioned in repair order is indicative and only for internal purposes
 FAA/PMA:
 #FAA / PMA parts and DER Repairs are not allowed on Qatar Airways components
 #If mandatory for repair, please seek necessary approval from Qatar Airways.
 SHIPPING INSTRUCTIONS:
 #For return shipment above 300 Kgs, use below mentioned Forwarders as per region:
 Région: Africa, Europe, Far East & Australia:
 Email: doh.qatarairways@bollore.com
 Région: North & South America and UK: Kuehne Nagel,
 Email: kngr.aerospace@kuehne-nagel.com
 Région: Indian Subcontinent & Middle East: geodis
 Email: qatarairways.ff.qa@geodis.com
 #For, return shipments of 300 Kg & Below, use DHL Express, Account No.-: 961085829
 #Certificate of Origin/Shipping Invoice with Value/Packing list must be attached with the ail
 shipments as the same are required by Qatar Custom Authorities.
 #Two Original itemized commercial invoices with the complete information is a must with following
 details and to be sent with shipment (no copies allowed).
 #Country of Origin / Harmonized Commodity Codes / Incoterms/ Accurate itemized Values /
 Accurate total value / Weight / Size.
 # Incoterms for outgoing shipment & warranty repairs is DDP and EX works for incoming shipments
 (Incoterms for parts under contract shall follow as agreed in the contract)

INVESTIGATIONS (visual and functional)

Pre-tested unit with failure: Bad printing .

CORRECTIVE ACTIONS : RE Repaired

LRU name Printer PN C12349DA02 SN 4416 repaired by replacing component(s) to completely correct failure.



Notification : 3753286

Date: 24.SEP.2021

Customer : QATAR AIRWAYS GROUP Q.C.S.C	Purch. order : 3753286	TSN : 60526:41 H
P/N IN : C12349DA02:F9111	Date : 14.SEP.2021	TSO : 60526:41 H
S/N IN : 4416	P/N Exch : C12349DA02:F9111	TSR : UNK H
Amdt IN : None	S/N Exch : 4733	CSN : 7487
	Amdt Exch : None	CSO : 7487
P/N OUT : C12349DA02:F9111		
S/N OUT : 4416		
Amdt out : None		
Cust. P/N :	Container type : CSC TK Location	Exam. type :
Description : AIRBOURNE PRINTER	Packaging :	Devis : YES
	Container :	
	Seals : Seals intacts	
	ESD protection : Yes: ESD conform	
Air. Type : 777		Release Cert :
Air. Num : 777/36101		CAA United Kingdom
Air. Regist. : A7-BBG		CCAR145
		EASA / FAR / TCCA Part 145

Performed Final Acceptance Test and Inspection per CMM and CMPL , on ATEC SXC5.
Thales seal bonded.

TASK IN ACCORDANCE WITH REASON OF REMOVAL : YES

REFERENCE DOCUMENT

CMPL 31-33-01 REV024 AUG 17/22
TT 31-33-01A REV11 MAY 15/2021
IPC 31-33-01C REV05 JUL31/03

ITEMS REPLACED

Part Number	Description	Location	Serial Number	Qty	Batch	Stat Nav
F1236521	PULLEY,28 TEETH			1	1260675	O
F1273003	PULLEY,19/82 TOOTH			1	1415715	O
F1272059	PULLEY,UPPER			1	61691638	O
A1240246	RING,RETAINING DIA 4			1	1246339	-
A1252353	BELT			1	1311522	-
A1178633	BELT,91 TEETH			1	1395434	-
A1250260	BELT			1	1314030	-
F1271912	HEAD,PRINT			1	1593692	O
A1248316	SETSCREW,SST SOCK HEX CUP END			2	1593813	-
A1196692	SCREW,MACH SST SOCK HEX H 90CSK M3X5			11	1476211	O
F1238803	WASHER,DIA 6.7			1	1625715	O
F1237320	ROLLER,PLATEN ASSY			1	1747909	O

FRA W86665 01.01.24 17:20 T



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648065

PRELIMINARY INSPECTION :

NAME : Rudy FOUET

PERFORMED BY :

NAME : Emmanuel PERNIN

DATE : 06.SEP.2023

SIGNATURE :

APPROVED BY :

Stamp :



THALES	FICHE D'ACCEPTATION TECHNIQUE DE REPARATION ACCEPTANCE TEST REPORT FOR REPAIR		J96065AA IR/Issue: 02 Page 1 sur 5
	DESIGNATION URL / DESIGNATION LRU : <u>Airborne Printer</u> REFERENCE / PART NUMBER : <u>C12349DA02</u> CODE CLIENT / CUSTOMER P/N:		S/N : <u>4416</u> AMDT : CMM : <u>31-33-01 A</u> REV : <u>11</u>
DESIGNATION URA / DESIGNATION SRU ¹ : REFERENCE / PART NUMBER ¹ : CODE CLIENT / CUSTOMER P/N ¹ :		S/N : AMDT : CMM : REV :	
<u>REPARATION / REPAIR</u> VISA / INIT: 			
NOM / NAME : <u>E. PERVIN</u> CACHET SI OP. CERTIF. / STAMP IF CER.OP:		DATE : <u>06/09/2023</u>	
<u>QUALITE (Prélèvement) / QUALITY (Sampling)</u> VISA / INIT:		DATE : ... / ... / ...	
NOM / NAME : CACHET / STAMP :			
<u>CLIENT OU SON REPRESENTANT (Si requis) /</u> <u>CUSTOMER OR REGULATORY AGENCY (if required)</u>		DEROGATION / DEVIATION N°	

NB: En cas de besoin, des essais complémentaires prévus dans la PAT pourront être réalisés
 NB: If need be, supplemental ATP tests could be done.

¹ Si la FAT est utilisée dans le cadre d'un test URA / SRU :

- Rayer la partie URL / LRU
- Renseigner dans la **liste des moyens utilisés** le URL / LRU de référence utilisé (golden unit) pour la recette
- Remplir la zone dédiée au URA / SRU

Si la FAT est utilisée dans le cadre d'un test LRU ; rayer la case SRU.

¹ If the ATR is used for an SRU :

- Remove the URL box
- Inform the reference of URL golden on list of means used
- Inform the SRU box

If The ATR is used for an LRU ; remove the SRU box.

Rédacteur / Writer	Validation par Service Tech / Authentication by Tech Department	Approuvé par Qualité / Approved by Quality
07/02/2023 X Bon pour accord David Dionnet Technicien Methode Signé par : DIONNET David	07/02/2023 X bon pour accord Jean-Philippe Pedroza Technicien support technique Signé par : PEDROZA Jean Philippe	09/02/2023 X Valid for agreement Mathieu GUE Signé par : GUE Mathieu

Rattaché à / linked to : L/G/34F

L/F/89 F-A IR06

Utilisation de la FAT générique:

- Pour les tests prévus dans le CMM et pour lesquels les relevés de mesure et moyens ne peuvent être consignés sur le relevé du banc automatique
- Si la FAT de réparation est inexistante et l'ATR de production n'est pas conforme au CMM

Use of generic FAT:

- For tests scheduled in the CMM and for which measurement and means readings can not be recorded on the automatic bench reading
- If the repair FAT is non-existent and the production ATR does not comply with the CMM

ETAT DES MISES A JOUR / RECORDS OF REVISIONS:

Révision / Revision	DATE / DATE	DESCRIPTION DES MISES A JOUR / REVISION DESCRIPTION	AUTEUR / AUTHOR
00	09/2018	Création du document <i>Document creation</i>	D.DIONNET
01	09/2019	Modification du document en accord avec la L\F89FA IR06	D.MORAIS
02	01/2023	Modification of the document in accordance with JIRA <u>ASWFR-30470</u>	D.DIONNET

THALES

**FICHE D'ACCEPTATION
TECHNIQUE DE REPARATION
ACCEPTANCE TEST REPORT FOR
REPAIR**

**J96065AA
IR / ISSUE: 02
Page : 3/ 5**

**POINTS CLES A VERIFIER DURANT LE MONTAGE OU A LA FERMETURE
IMPORTANT POINTS TO CHECK DURING ASSEMBLY:**

OPERATION / OPERATION	CORRECT / CORRECT

THALES	FICHE D'ACCEPTATION TECHNIQUE DE REPARATION ACCEPTANCE TEST REPORT FOR REPAIR	J96065AA IR / ISSUE: 02 Page : 4/ 5
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ESSAIS / TESTS:

Pas de test cmm Ou chapitre de test CMM CMM Step test CMM chapter designation	Description Description	Valeurs attendues Expected Values	Valeurs obtenues Obtained Values
/	Poids Weight	NA	NA
/	Dimension dimension	* NA	NA
04 04 01 0030 04 04 01 0050 04 04 01 0070	continuité Bonding	* < 20 mΩ < 20 mΩ < 20 mΩ	276 mΩ 8,21 mΩ 4,92 mΩ
04 03 01 0060	Isolement Insulation	* > 40 MΩ	> 5000 MΩ
/	Test fuite Leak test	* NA	NA
/	Test RFID RFID test	* NA	NA
/	Verification du détrompage Check key coding	** NA	NA
	Final test Test final	"Conforme" selon listing joint "Conform" according to the attached listing	Conforme

***Indiquer toutes les valeurs demandées dans le CMM**

***Indicate all the values requested in the CMM**

**** conforme à la figure XXX ou/et à la page XXXX du CMM XX-XX-XX rev:XX**

**** conform with figure XXX or/and page XXXX of the CMM XX-XX-XX rev:XX**

indiquer NE = si test non demandé dans le CMM

indicate NA = if test not required in the CMM

THALES	FICHE D'ACCEPTATION TECHNIQUE DE REPARATION ACCEPTANCE TEST REPORT FOR REPAIR	J96065AA IR / ISSUE: 02 Page : 5/ 5
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conforme à la figure XXX ou/et à la page XXXX du CMM XX-XX-XX rev:XX

Liste des Moyens Utilisés/ List of means used :

DESIGNATION / DESCRIPTION	REFERENCE / REFERENCE	N° de série / Serial Number	DATE DE VALIDITE / DATE OF VALIDITY
Micro-ohmetre	OM21	TH113653	12/10/2023
Megohometre	M1521M	TH159500	29/03/2024
Cordon	F1317467		
Banc ATEC	SXC5	N°108	31/12/2023

Sauf si les moyens sont listés sur le listing de test du banc automatique
Unless the means are listed on the test list of the automatic bench

THALES

FICHE DE CONTROLE Inspection Sheet

N° Rapport d'Intervention :
ou N° d'Ordre de Fabrication :

59205185

IDENTIFICATION

DESIGNATION
Identification

TETE D'IMPRESSION REPRISE

REFERENCE
Part Number

F1271912

NUMERO de SERIE ou de LOT
Serial or Batch Number

G92-00110

AMENDEMENT
Amendment

RCL

PROCEDURE DE RECETTE / *Test procedure*

DOCUMENT DE RECETTE + Ed.
Acceptance Test Procedure + Rev

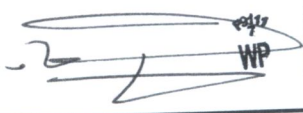
FI : YE12711D-B1/01

MOYENS UTILISES :
Tools used

BLOC MECA F1530334 ET OUTILLAGE TEST MECA F1483300

RESULTATS DE CONTROLE / *Results of test*

CONFORME

	Opérateur <i>Operator</i>	Service Qualité ou Délégation Qualité <i>Executive Quality</i>	Autre <i>Other</i>
NOM : <i>Name</i>	LETOURMY.S	OBERTAN.P	
Date :	13/04/2022	13/04/2022	
Visa / Marque :	 1746	 WP	