

1. Approving Civil Aviation Authority/Country: **FAA / UNITED STATES**

2. **AUTHORIZED RELEASE CERTIFICATE**  
**FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG**

3. Form Tracking Number: **0028117**

4. Organization Name and Address: **SUNSHINE AVIONICS, LLC**  
**SUNSHINE AVIONICS, LLC**  
**9974 Premier Parkway**  
**Miramar, FL 33025.**  
**USA**

5. Work Order/Contract/Invoice Number: **251627526**

6. Item: **1**

7. Description: **ATC TRANSPONDER**

8. Part Number: **066-01127-1402**

9. Quantity: **1 EA**

10. Serial Number: **4529**

11. Status/Work: **REPAIRED**

12. Remarks: Referencing manual No. ATA 34-54-36, Revision: 09, Revision Date: JAN 04 2013  
 ADS. APPLIED: NONE, SBs. APPLIED: SUSPARTS-00-0001 (REV. 2, DATED OCT. 20, 2017)  
 COMPLIES WITH FAR PART 43 APPENDIX F AND FAR PART 91.413 (c) (1) (ii).  
 SEE TEARDOWN FOR ADDITIONAL INFORMATION.

13a. Certifies the items identified above were manufactured in conformity to:  
 Approved design data and are in a condition for safe operation.  
 14 CFR 43.9 Return to Service  Other regulation specified in Block 12

13b. Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13c. Approval/Authorization No.: **Q3NR054Y**

13e. Date (dd/mm/yyyy): **07/Nov/2017**

14a. Authorized Signature: *Rusniel Perez*

14b. Authorized Signature: **Rusniel Perez**

14c. Approval/Certificate No.: **Q3NR054Y**

14d. Name (Typed or Printed): **Rusniel Perez**

14e. Date (dd/mm/yyyy): **07/Nov/2017**

**User/Installer Responsibilities**

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country 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.



FRA W89240 09.11.17 20:01 T

Certific. Sticker

397 284834





# TEARDOWN / INSPECTION REPORT

9974 Premier Parkway, Miramar FL 33025  
 Phone: (954) 517-1294 Fax: (954)-517-1296  
 www.sunshineavionics.com

FAA CRS No. Q3NR054Y ♦ EASA.145.5665 ♦ THAILAND DCA No. 424/2552 ♦ INDONESIA DGCA No. 145F-834

## WORK ORDER No. 0028117

Customer : LUFTHANSA TECHNIK AG	Description : ATC TRANSPONDER	
Cust. R.O. : 251627526	P/N. as Arrived: 066-01127-1402	P/N. as Released: 066-01127-1402
Work Req. : REPAIR	S/N. as Arrived: 4529	S/N. as Released: 4529
Date Recv. : Oct 27, 2017	Manufacturer : HONEYWELL	Work Performed : REPAIRED

Trouble Reported : ATC #1 FALL

Special Instructions : SB: SUSPARTS-00-0001

Receiving Inspection : No Visual Damage, Part Number and Serial Number Verified.

Preliminary Inspection : Receiving Condition Verified, Part Number and Serial Number Confirmed. Tested unit and failed Bench Check.

Hidden Damage : Not Required

Shop Findings : Power Supply failed, leaking Capacitor in Power Supply.

Was Trouble Reported Confirmed?: N/A

FRA W89240 09.11.17 20:01 T

397 284834

Work Performed : Preliminary Test Performed, Disassembled, Cleaned, Inspected, Replaced defective Capacitor, Repaired as necessary and Reassembled. Tested in Accordance With Honeywell ATA # 34-54-36, Rev. 09, Dated Jan 04, 2013.

Unit complies with FAR PART 43 Appendix F and FAR PART 91.413 (c) (1) (ii).

ADs Applied : None have been issued against this P/N

SBs Applied : SUSPARTS-00-0001 Rev 2, 10/20/2017 Inspection and Replacement of Suspect Unapproved Parts (Marked a red dot to the right of the part number)(Add Conforms to Susparts Label)

Date Completed: 11/07/2017

Technician's Name: Miguel Sanchez

Final Inspector:

  
 Rusniel Perez





## PROFORMA INVOICE

09.11.2017

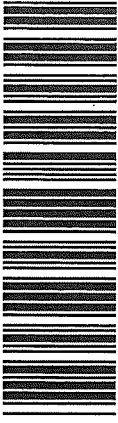
Page 1 of 1

<b>SHIPPER</b> Lufthansa Technik AG FRA UE/MF1 Tor 23, Geb. 401 Rhein-Main Flughafen DE - 60549 Frankfurt/Main  <b>Consignee's Name and Address</b> JSC ROSSIYA AIRLINES Open Joint Stock Company Tel: +7 812 704 1764 transfer to L 18/4 Pilotov Street RU - 196210 ST. PETERSBURG	<b>Document No.</b> <b>56072454701</b>
	
	<b>Shipping Information</b> Customs status X Incoterm FCA FRA Priority AOG  Routing FRA-LED RUS

No of Pieces	Gross weight kg	Description of Packing
1	11,20	1 special box (non-wood) / 11,20 KG / 53x41x26CM /

POS	Material-/Partnummer	Description
1	066-01127-1402:97896 1,000 EA Ser.No.: 4529	XPDR ATC# TRANSPONDER ATC TRA-67A Condition: serviceable Unit Price: USD 34.160,87 Total Price ( Pos.): USD 34.160,87
	Int: Cost Center: 210999000 ZID:397284834 Our Reference: 32493896-1, Item No. Note: VP-BIT Customs Tariff No.: 851769 Reason for Shipping: 1:1 Austauschgerät / 1:1 repair exchange Country of Origin: USA Export List No: 0 Material is not listed as Dual-use good according to Council Regulation (EC) 428/2009 RET-EXP - 304000	Int. Customer Reference: 116000096750 ATLAS-Reg.: ATE400024811120173302000001 Your Reference: PX0123017
	<p>These items are controlled by the U.S. Government and authorized for reexport only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.</p> <p>FOR USE ON SDM AIRPLANES ONLY / RELATED TO Rossiya Airlines JSC AGREEMENT NUMBER 917/14 dated 01.01.2015</p>	
	<b>Total Invoice Value USD 34.160,87</b>	
	Please contact our Customer Service, Lufthansa Technik Logistik in Frankfurt. If you have any questions or comments about our package: Phone: ++49-69-69647077 Mail: FRA.CustomerService@LTL.DLH.DE Confirmation: The material has been obtained from a Lufthansa Technik approved source. We confirm that the parts were not obtained from any U.S. Government or U.S. Military sources. The parts have not been subjected to extreme stress or heat (as in major engine failure, accident or fire) to the best of our knowledge and while in possession of Lufthansa Technik unless otherwise indicated. This document was issued electronically and is therefore valid without signature. *56072454701* 09.11.2017	





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1. Approving Competent Authority / Country <b>LBA / Germany</b>		2. <b>AUTHORISED RELEASE CERTIFICATE EASA FORM 1</b>		3. Form Tracking Number <b>11329532 00000004</b>	
4. Organisation Name and Address: <b>Lufthansa Technik</b> Lufthansa Technik AG Weg beim Jäger 193 22335 Hamburg Germany					
6. Item	7. Description	8. Part No.	9. Qty.	10. Serial No.	11. Status / Work
01	TRANSPONDER ATC TRA-67A		1	4803	REPAIRED
12. Remarks ATA 3452    TPR    MK-No. 10    Pack Code L0    Resp. Workshop 33435010    Workshop Station HAM305 SBC TRA-67A-34-142, Rev. 01 performed					
<div style="border: 1px solid black; padding: 5px; text-align: center;"> <b>Receiving Inspection</b>  <b>21 FEB 2018</b>  <b>PERFORMED</b> </div>					
<b>Return to Service in Accordance with 14 CFR part 43</b> <small>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</small>  <div style="border: 1px solid black; padding: 5px; text-align: center;"> <b>FAA Certificate No. DLAY225D</b> </div>					
13a. Certifies that the items identified above were manufactured in conformity to: <input type="checkbox"/> approved design data and are in a condition for safe operation <input type="checkbox"/> non-approved design data specified in block 12 <input checked="" type="checkbox"/> Part-145.A.50 Release to Service <input checked="" type="checkbox"/> 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. Further details of work performed are attached either in a Workshop Report (reference number: see blocks 3 and 5) or in other applicable documents.					
13b. Authorised Signature		13c. Approval / Authorisation Number		14c. Certificate / Approval Ref. Number	
<del>431284</del>		<del>431284</del>		<b>DE-145.0001</b>	
13d. Name		13e. Date (dd mmm yyyy)		14e. Date (dd mmm yyyy)	
<del>Torsten Frömming</del>		<del>19 Jan 2018</del>		<b>19 Jan 2018</b>	

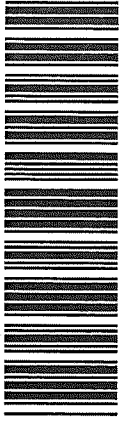
**EASA FORM 1 - Issue 2  
USER/INSTALLER RESPONSIBILITIES**

Note: 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 from 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.





# Workshop Report

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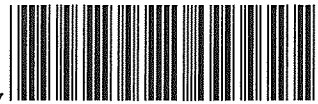
Customer Order No.	 <b>Lufthansa Technik</b> Lufthansa Technik AG Weg beim Jäger 193 22335 Hamburg Germany		Certificate Ref. No. 11329532 00000004
Part No. as received 066-01127-1402	Serial No. as received 4803	Work Order/Contract/Invoice N/A	
Part No. as dispatched 066-01127-1402	Serial No. as dispatched 4803	Description TRANSPONDER ATC TRA-67A	
Reason for removal 1 WORKSTEP ADDED BY CREW ON 16.DEC.2017, 23:00 SPURIOUS TCAS STB WHEN SYS 2 SELECTED L ATC FAIL "ON"		Responsible Workshop 33435010	
Findings Fault memory entries: 23H IOP BD RLSI FAILURE once F2H TCAS TCAS PERIODIC DATA FAIL Rise time and width of Mode S TX pulses out of limit. TX frequency over limit. Modulator voltage less than +50VDC. Unit needs modification.		Modification Status according to Mod-Label 1 2 3 4 5 6 8 9 10 11 12 14 15 16 19 20 25 28 SW 02/02	
Action Performed endurance run. Looped from cold to hot conditions without failing. Vibration sensitivity test without failing Modified unit in accordance to service bulletin TRA-67A-34-142 rev.1 dated 30.May.2007. On transmitter board, 6500 assembly, rerouted RF output loop. Set TX frequency tabs to nominal position. Performed modulator, resonator and transmitter alignment. Performed return-to-service test, unit passed.		Name 431284, Torsten Frömming	
The work specified above has been performed subject to Lufthansa Technik's Standard conditions for Technical Services which, if not superseded by another agreement or not yet agreed upon before, are acknowledged by the customer with acceptance of the part(s) hereunder.		Date (dd mmm yyyy) 19 Jan 2018	





SmartLabel-ID: 100000002990022

17173917



Ident-Tag Barcode

# Ident-Tag



# Lufthansa Technik

Form Tracking Number | Work Order / Contract / Invoice  
11329532 00000004

Description | Part. No.  
TRANSPONDER ATC TRA-67A | 066-01127-1402

Eligibility | Quantity | Status / Work | Serial-/Batch No.  
 | 1 | REPAIRED / MODIFIED | 4803

Remarks  
TP R MK-No. 10 Resp. Workshop 33435010 Workshop Station HAM305  
FSCM 97896 ATA

TT	Opr. Hours	Cycle	Opr. Day	Store	Cal. Day	SBC TRA-67A-34-142, Rev. 01 performed
TSO	26369	11992	3616	3079	6695	
TSC	20618	10161	2906	33	6040	
TSF	0	0	0	0	0	

Packaging Code:L0

Seal Pack:Seal bag

<b>Installed on</b> (Information is only required in case of installation only)		
PNR NHA	SNR NHA	Position/FIN No. NHA
Station	A/C-Registration	

## Removed

PNR<sup>1</sup> | SNR<sup>1</sup> | Position/FIN No.<sup>1</sup>

Station<sup>1</sup> | A/C-Registration<sup>1</sup> | Unit Barcode No.

**Removed from NHA** (Information is only required in case of part change on next higher assy)

PNR NHA | SNR NHA | Position/FIN No. NHA

### Reason for Removal<sup>1</sup>

22 Unscheduled | Complaint No.<sup>1</sup> or WO-Reference<sup>1</sup> |  11 Scheduled

Failure Description<sup>1</sup> (Please write in capital letters only)

CCI-ID<sup>2</sup>

Stamp or ID Number + Signature<sup>1/2</sup>

Date<sup>1</sup>

Special Investigation Tag exists  Yes

**Please send back to:**(unless other return location is agreed)

LUFTHANSA TECHNIK AG  
c/o Lufthansa Technik Logistik Services GmbH  
Warenannahme / Goods Receiving  
Weg beim Jaeger 193  
22335 HAMBURG-FUHLBUETTEL  
Deutschland

(LTLS-Information: Use this box for ZID)

<sup>1</sup> Mandatory entries without using CCI-Mask

<sup>2</sup> Mandatory entries using CCI-Mask






**PROFORMA INVOICE**

30.01.2018

Page 1 of 1

<b>SHIPPER</b> Lufthansa Technik AG FRA UE/MF1 Tor 23, Geb. 401 Rhein-Main Flughafen DE - 60549 Frankfurt/Main	<b>Document No.</b> <b>56080247262</b>
	
<b>Consignee's Name and Address</b> JSC ROSSIYA AIRLINES Open Joint Stock Company Tel: +7 812 704 1764 transfer to L 18/4 Pilotov Street RU - 196210 ST. PETERSBURG	<b>Shipping Information</b> Customs status X Incoterm FCA FRA Priority CLS  Routing FRA-LED RUS . .

No of Pieces	Gross weight kg	Description of Packing
1	11,30	1 special box (non-wood) / 11,30 KG / 53x41x26CM /

POS	Material-/Partnummer	Description
1	066-01127-1402:97896 1,000 EA Ser.No.: 4803	XPDR ATC# TRANSPONDER ATC TRA-67A Condition: serviceable Unit Price: USD 35.356,51 Total Price ( Pos.): USD 35.356,51
	Int: Cost Center: 210999000 ZID:010101010 Our Reference: 33325786-1, Item No. Note: VP-BNJ Customs Tariff No.: 851769 Reason for Shipping: 1:1 Austauschgerät / 1:1 repair exchange Country of Origin: USA Export List No: 0 Material is not listed as Dual-use good according to Council Regulation (EC) 428/2009 RET-EXP - 304000	Int. Customer Reference: 116000096750 ATLAS-Reg.: 000000 Your Reference: PX0001118
	<p>These items are controlled by the U.S. Government and authorized for reexport only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.</p> <p>FOR USE ON SDM AIRPLANES ONLY / RELATED TO Rossiya Airlines JSC AGREEMENT NUMBER 917/14 dated 01.01.2015</p> <p align="right"><b>Total Invoice Value USD 35.356,51</b></p> <p>Please contact our Customer Service, Lufthansa Technik Logistik in Frankfurt. If you have any questions or comments about our package: Phone: ++49-69-69647077 Mail: FRA.CustomerService@LTL.DLH.DE</p> <p>Confirmation: The material has been obtained from a Lufthansa Technik approved source. We confirm that the parts were not obtained from any U.S. Government or U.S. Military sources. The parts have not been subjected to extreme stress or heat (as in major engine failure, accident or fire) to the best of our knowledge and while in possession of Lufthansa Technik unless otherwise indicated. This document was issued electronically and is therefore valid without signature.</p> <p>*56080247262* 30.01.2018</p>	





# SERVICEABLE RELEASE CERTIFICATE

Certificate Number **19-127**

Aircraft type: 319-111      Registration: VQ-BBA      Serial Number: 3794

Component / Part:	Description	Part No.	Serial No.
	TRANSPONDER ATC	<u>066-01127-1402</u>	<u>6028</u>

Remarks: *include any requirements for installation such as: functional testing, adjustment, modification, life limitation, mandatory compliance, inspection, reactivation.*

Was installed on the Airbus A319-111 aircraft reg.No VQ-BBA MSN 3794 on 16 Mar 2018

Was removed from the aircraft on 21 Sep. 2019

Last maintenance was carried out on 16 Sep 2017 Repaired by British Airways Avionics Engineering.

Airworthiness directives, repairs and modifications that have been incorporated: Unit mod status 1-6,8,12,14-16,19,25,28. Software status 02/02. SB SUSPARTS-00-0001 embodied unit outside date for suspect parts. Video/dpsk card realigned. Unit tested iaw ata 34-54-36 rev 9 atp 09961 rev 8A. Test comlies with far 43 appendix F. Unit released under TCCA Approval No 808-04

Next maintenance due (for HT component) / Life limit (for LLP) Not applicable due to OCCM part  
Time since new / Cycles since new / 6029 FH / 2664 FC

Time since last inspection / Cycles since last inspection 6029 FH / 2664 FC

Time since last shop visit / Cycles since last shop visit 6029 FH / 2664 FC

has been operated and maintained in accordance with the manufacturer's practices and procedures and was not involved in accidents, incidents, heavy landings or lightning strikes, was not subjected to fire, extreme heat or damage during the period of its operation within "Rossiya airlines" JSC.

BITE test of the TRANSPONDER ATC (1SH1) has been performed IAW AMM TASK 34-52-00-740-004 . Rev.29 from 01.AUG.2019. TEST OK.

STATEMENT OF COMPLIANCE 29.8841 DATED 21.09.2019.

*The work recorded has been carried out in accordance with the Air Navigation (Overseas Territories) Order as amended and in respect of that work the aircraft or component is fit for release to service.*

Maintenance manual references: Removed IAW AMM TASK 34-52-33-000-001-A Rev.29 from 01.AUG.2019

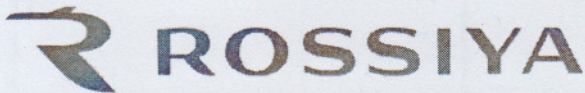
Authorised Signature: 	BCAA AMO Approval Ref. No. BDA/AMO/302	Authorisation No. 0065
---------------------------	---	---------------------------

Name: K.TIMOFEEV	Date: 22.SEP.2019
---------------------	----------------------

Receiving Inspection  
22 SEP 2019  
PERFORMED







"ROSSIYA AIRLINES" JOINT STOCK COMPANY

To whom it may concern

18/4 Pilotov st., St.Petersburg, 196210, Russian Federation  
15A Leninskiy prospekt, Moscow, 119071, Russian Federation  
tel.: +7 (812) 6 333 700, fax:+7 (812) 6 333 810  
head\_office@rossiya-airlines.com

21.09.2019 № 29.8841

STATEMENT OF COMPLIANCE

The mentioned below item

Description Transponder-ATC

Part №. 066-01127-1402

Serial No. 6028

Was installed on the Airbus A319-111 aircraft reg.No VQ-BBA MSN 3794

on 16 Mar 2018

Was removed from the aircraft on 21 Sep. 2019

Last maintenance was carried out on 16 Sep 2017 Repaired by British Airways Avionics Engineering.

Airworthiness directives, repairs and modifications that have been incorporated: Unit mod status 1-6,8,12,14-16,19,25,28. Software status 02/02. SB SUSPARTS-00-0001 embodied unit outside date for suspect parts. Video/dpsk card realigned. Unit tested iaw ata 34-54-36 rev 9 atp 09961 rev 8A. Test comlies with far 43 appendix F. Unit released under TCCA Approval № 808-04

Next maintenance due (for HT component) / Life limit (for LLP) Not applicable due to OCCM part

Time since new / Cycles since new / 6029 FH / 2664 FC

Time since last inspection / Cycles since last inspection 6029 FH / 2664 FC

Time since last shop visit / Cycles since last shop visit 6029 FH / 2664 FC

has been operated and maintained in accordance with the manufacturer's practices and procedures and was not involved in accidents, incidents, heavy landings or lightning strikes, was not subjected to fire, extreme heat or damage during the period of its operation within "Rossiya airlines" JSC.

Igor Tylesov  
Maintenance quality manager  
"Rossiya airlines" JSC  
Tel./Fax.: +7(812) 6-333-950  
E-mail: I.Tylesov@rossiya-airlines.com





### SERVICEABLE RELEASE CERTIFICATE

Certificate Number | **19-117**

Aircraft type: **A319-111**

Registration: **VP-BNJ**

Serial Number: **2241**

Component /  
Part:  
**TRANSPOND  
ER-ATC**

Description  
**TRANSPONDER-ATC**

Part No.  
**066-01127-1402**

Serial No.  
**7998**

Remarks: *include any requirements for installation such as: functional testing, adjustment, modification, life limitation, mandatory compliance, inspection, reactivation.*

1. *Removed from 1SH2 position acc. WO# 505'929'257 iss.03JAN2019;*
2. *Inspected acc. AMM rev 29 from 01AUG2019 Subtask 34-52-33-420-050-A: no deviation found;*
3. *Tested acc. AMM rev 29 from 01AUG2019TASK 34-52-00-740-004-A: test is "OK";*
4. *Last maintenance carried out on 15NOV2012 by L3 COMMUNICATIONS;*
5. *Next maintenance due/Life limit – N/A due to OCCM part;*
6. *AD, repairs and modifications – No known AD, repairs, modifications applicable to this part;*
7. *TSN/CSN – N/A due to OCCM part;*
8. *TSLI/ CSLI – 21068 / 10201;  
TSLSV/CSLSV – N/A due to OCCM part;*
9. *Statement of Compliance #29.8792 from 03.09.2019*

*The work recorded has been carried out in accordance with the Air Navigation (Overseas Territories) Order as amended and in respect of that work the aircraft or component is fit for release to service.*

Maintenance manual references:

**AMM 34-52-33 rev 29 from 01AUG2019**

Authorised Signature:

BCAA AMO Approval Ref. No.  
**BDA / AMO / 302**

Authorisation No.  
**0066**

Name:

**A. Vasilyev**

Date: **04 SEP 2019**

BAC-AW-03  
Issue 2







"ROSSIYA AIRLINES" JOINT STOCK COMPANY

18/4 Pilotov st., St.Petersburg, 196210, Russian Federation  
15A Leninskiy prospekt, Moscow, 119071, Russian Federation  
tel.: +7 (812) 6 333 700, fax:+7 (812) 6 333 810  
head\_office@rossiya-airlines.com

To whom it may concern

03.09.2019 № 29.879L

STATEMENT OF COMPLIANCE

- The mentioned below item

Description TRANSPONDER-ATC

Part No. 066-01127-1402

Serial No. 7998

Was installed on the Airbus 319-111 aircraft reg.No VP-BNJ MSN 2241  
on 08 Mar 2013

Was removed from the aircraft on 29 Aug 2019

Last maintenance was carried out on 15 Nov 2012 by L-3 communications

Airworthiness directives, repairs and modifications that have been incorporated:

No known airworthiness directives, repairs and modifications applicable to this part

Next maintenance due (for HT component) / Life limit (for LLP):

Not applicable due to OCCM part

Time since new / Cycles since new Not applicable due to OCCM part

Time since last inspection / Cycles since last inspection 21068 / 10201

Time since last shop visit / Cycles since last shop visit Not applicable due to OCCM part

has been operated and maintained in accordance with the manufacturer's practices and procedures and was not involved in accidents, incidents, heavy landings or lightning strikes, was not subjected to fire, extreme heat or damage during the period of its operation within "Rossiya airlines" JSC.

Igor Tylesov  
Maintenance quality manager  
"Rossiya airlines" JSC  
Tel./Fax.: +7(812) 6-333-950  
E-mail: [I.Tylesov@rossiya-airlines.com](mailto:I.Tylesov@rossiya-airlines.com)





1. Approving National Aviation Authority/Country <b>FAA/UNITED STATES</b>		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> <b>FAA Form 8130-3</b> <b>AIRWORTHINESS APPROVAL TAG</b>		3. Form Tracking Number <b>C-301050</b>	
4. Organization Name and Address: <b>13 communications</b> Avionics Systems L-3 communications COMPONENT OVERHAUL AND REPAIR, INC. UL2R217L 5250 NW 33RD AVENUE FT LAUDERDALE, FL 33309 Phone: 954-487-0100 Fax: 954-497-0190		5. Work Order/Contract/Invoice Number: <b>368374</b>			
6. Item	7. Description	8. Part Number	9. Eligibility *	10. Quantity	11. Serial/ Batch Number
1	TRANSPONDER	(086-01127-1402)	N/A	1	7998
12. Status/ Work <b>INSPECTED</b>					
13. Remarks Customer PO: 25991 Manufactured By: HONEYWELL Documents describing the actual work performed on work order # 368374 are provided. The described work was performed in accordance with FAA accepted / approved data. FUNCTIONALLY TESTED UNIT IAW ATA 34-54-38, REV 8 DATED 1 JUN 2012. RECERTIFIED TO FAR PART 43, APPENDIX F. THERE ARE NO OUTSTANDING A.D.'S OR MANDATORY S.B.'S APPLICABLE.					
Certifies that the work specified in Block 12/13 was carried out in accordance with EASA Part-145 and in respect to that work the component is considered ready for release to service under EASA Part-145 Approval Number. EASA.145.4261					
14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.					
19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 13. Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, Part 43 and in respect to that work, the items are approved for return to service.					
15. Authorized Signature -N/A-		16. Approval/Authorization No.: -N/A-		20. Authorized Signature <i>Paulo Moroni</i>	
17. Name (Typed or printed): -N/A-		18. Date (m/d/yy): -N/A-		21. Approval/Certificate No. <b>UL2R217L</b>	
				22. Name (Typed or Printed): PAULO MORONI	
				23. Date (m/d/yy): NOV/15/2012	
<b>User/Installer Responsibilities</b>					
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than 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.					
Statements in Block 14 and 19 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					





### SERVICEABLE RELEASE CERTIFICATE

Certificate Number **19-116**

Aircraft type: **A319-111**

Registration: **VP-BNJ**

Serial Number: **2241**

Component / Part:  
**TRANSPONDER-ATC**

Description  
**TRANSPONDER-ATC**

Part No.  
**066-01127-1402**

Serial No.  
**13975**

Remarks: *include any requirements for installation such as: functional testing, adjustment, modification, life limitation, mandatory compliance, inspection, reactivation.*

1. *Removed from 1SH1 position acc. WO# 505'929'257 iss.03JAN2019;*
2. *Inspected acc. AMM rev 29 from 01AUG2019 Subtask 34-52-33-420-050-A: no deviation found;*
3. *Tested acc. AMM rev 29 from 01AUG2019TASK 34-52-00-740-004-A: test is "OK";*
4. *Last maintenance carried out on 20MAR2018 by Lufthansa Technik;*
5. *Next maintenance due/Life limit – N/A due to OCCM part;*
6. *AD, repairs and modifications – Repaired IAW CMM 34-54-36 Rev 9/CMDS 34-54-36 issue 047. SBC Susparts -00-0001 Rev.02 Performed, SBC TRA-67A-34-142, Rev.01 Performed;*
7. *TSN/CSN – N/A due to OCCM part;*
8. *TSLI/ CSLI – N/A due to OCCM part;  
TSLSV/CSLSV – 2200 / 970*
9. *Statement of Compliance #29.8793 from 03.09.2019*

*The work recorded has been carried out in accordance with the Air Navigation (Overseas Territories) Order as amended and in respect of that work the aircraft or component is fit for release to service.*

Maintenance manual references:

**AMM 34-52-33 rev 29 from 01AUG2019**

Authorised Signature:

BCAA AMO Approval Ref. No.  
**BDA / AMO / 302**

Authorisation No.  
**0066**

Name:  
**A. Vasilyev**

Date: **04 SEP 2019**

BAC-AW-03  
Issue 2







"ROSSIYA AIRLINES" JOINT STOCK COMPANY

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head\_office@rossiya-airlines.com

To whom it may concern

03.09.2019 № 29.8793

STATEMENT OF COMPLIANCE

- The mentioned below item

Description TRANSPONDER-ATC

Part No. 066-01127-1402

Serial No. 13975

Was installed on the Airbus 319-111 aircraft reg.No VP-BNJ MSN 2241  
on 24 Feb 2019

Was removed from the aircraft on 29 Aug 2019

Last maintenance was carried out on 20 Mar 2018 by Lufthansa Technik

Airworthiness directives, repairs and modifications that have been incorporated:

Repaired IAW CMM 34-54-36 Rev 9/CMS 34-54-36 issue 047. SBC Susparts-00-0001Rev.02

Performed, SBC TRA-67A-34-142, Rev.01 Performed

Next maintenance due (for HT component) / Life limit (for LLP):

Not applicable due to OCCM part

Time since new / Cycles since new Not applicable due to OCCM part

Time since last inspection / Cycles since last inspection Not applicable due to OCCM part

Time since last shop visit / Cycles since last shop visit 2200 / 970

has been operated and maintained in accordance with the manufacturer's practices and procedures and was not involved in accidents, incidents, heavy landings or lightning strikes, was not subjected to fire, extreme heat or damage during the period of its operation within "Rossiya airlines" JSC.

Igor Tylesov

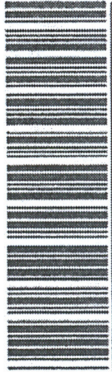
Maintenance quality manager

"Rossiya airlines" JSC


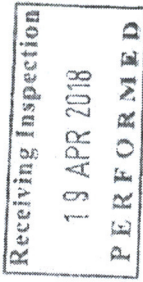
Tel./Fax.: +7(812) 6-333-950

E-mail: I.Tylesov@rossiya-airlines.com





17253586

1. Approving Competent Authority / Country <b>LBA / Germany</b>		2. <b>AUTHORISED RELEASE CERTIFICATE EASA FORM 1</b>		3. Form Tracking Number <b>18789093 00000002</b>	
4. Organisation Name and Address: <b>Lufthansa Technik</b> Lufthansa Technik AG Weg beim Jäger 193 22335 Hamburg Germany		5. Work Order/Contract/Invoice <b>17253586</b>		11. Status / Work <b>REPAIRED</b>	
6. Item <b>01</b>	7. Description <b>TRANSPONDER ATC TRA-67A</b>	8. Part No. <b>066-01127-1402</b>	9. Qty. <b>1</b>	10. Serial No. <b>13975</b>	12. Remarks <b>ATA 3452 TPR MK-No. 10 Pack Code L0 Resp. Workshop 33435010 Workshop Station HAM305</b>
TASK PERFORMED IN ACCORDANCE WITH CMM 34-54-36 REV 9 / CMDS 34-54-36 ISSUE 047   SBC SUSPARTS-00-0001, Rev. 02 performed SBC TRA-67A-34-142, Rev. 01 performed		Return to Service in Accordance with 14 CFR part 43 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 <b>FAA Certificate No. DLAY225D</b>			
13a. Certifies that the items identified above were manufactured in conformity to:		<input type="checkbox"/> approved design data and are in a condition for safe operation <input checked="" type="checkbox"/> Part-145.A.50 Release to Service <input checked="" type="checkbox"/> 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		14c. Certificate / Approval Ref. Number <b>DE.145.0001</b>	
13d. Name		14d. Name <b>Nicolai Berger</b>		14e. Date (dd mmm yyyy) <b>20 Mar 2018</b>	

Further details of work performed are attached either in a Workshop Report (reference number, see blocks 3 and 5) or in other applicable documents.

**EASA FORM 1 - Issue 2  
USER/INSTALLER RESPONSIBILITIES**

Note: 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 from 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.





### SERVICEABLE RELEASE CERTIFICATE

Certificate Number **19-058**

Aircraft type: **A319-111** Registration: **VP-BQK** Serial Number: **3179**

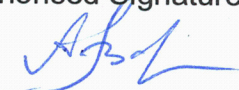
Component / Part:	Description	Part No.	Serial No.
<b>XPDR-ATC</b>	<b>TRANSPONDER-ATC</b>	<b>066-01127-1402</b>	<b>13982</b>

Remarks: include any requirements for installation such as: functional testing, adjustment, modification, life limitation, mandatory compliance, inspection, reactivation.

1. Removed from 1SH2 position acc. WO# 505'929'258 iss.03JAN2019;
2. Inspected acc. AMM rev 28 from 01MAY2019 Subtask 34-52-33-420-050-A: no deviation found;
3. Tested acc. AMM rev 28 from 01MAY2019 TASK 34-52-00-740-004-A: test is "OK";
4. No previous maintenance since new;
5. Next maintenance due/Life limit – N/A due to OCCM part;
6. AD, repairs and modifications – No known AD, modifications applicable to this part;
7. TSN/CSN – 54017 FH / 25197 FC;
8. TSLI/ CSLI – 8098 FH / 3631 FC;  
TSLSV/CSLSV –8098 FH / 3631 FC;
9. Statement of Compliance #29.8526 from 21.05.2019

The work recorded has been carried out in accordance with the Air Navigation (Overseas Territories) Order as amended and in respect of that work the aircraft or component is fit for release to service.

Maintenance manual references: **AMM 34-52-33 rev 28 from 01MAY2019**

Authorised Signature: 	BCAA AMO Approval Ref. No. <b>BDA / AMO / 302</b>	Authorisation No. <b>0066</b>
--	--	----------------------------------

Name: <b>A. Vasilyev</b>	Date: <b>22 MAY 2019</b>
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BAC-AW-03  
Issue 2

**Receiving Inspection**  
**22 MAY 2019**  
**PERFORMED**







"ROSSIYA AIRLINES" JOINT STOCK COMPANY

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head\_office@rossiya-airlines.com

To whom it may concern

21.05.2019 № 29.8526

STATEMENT OF COMPLIANCE

The mentioned below item

Description TRANSPONDER-ATC

Part No. 066-01127-1402

Serial No. 13982

Was installed on the Airbus 319-111 aircraft reg.No VP-BQK MSN 3179  
on 12 Dec. 2016

Was removed from the aircraft on 21 May. 2019

Last maintenance was carried out on 27 Aug. 2015 by Lufthansa Technik

Airworthiness directives, repairs and modifications that have been incorporated:

Repaired on 27 Aug. 2015 in accordance with CMM 34-54-36

No known airworthiness directives, modifications applicable to this part

Next maintenance due (for HT component) / Life limit (for LLP) Not applicable due to OCCM part

Time since new / Cycles since new / 54017:48/25197

Time since last inspection / Cycles since last inspection 8098:48/3631

Time since last shop visit / Cycles since last shop visit 8098:48/3631

has been operated and maintained in accordance with the manufacturer's practices and procedures and was not involved in accidents, incidents, heavy landings or lightning strikes, was not subjected to fire, extreme heat or damage during the period of its operation within "Rossiya airlines" JSC.

Igor Tylesov

Maintenance quality manager

"Rossiya airlines" JSC

Tel./Fax.: +7(812) 6-333-950

E-mail: I.Tylesov@rossiya-airlines.com

Согласовано:





# SERVICEABLE RELEASE CERTIFICATE

Certificate Number **19-168**

Aircraft type: **A320-214**      Registration: **VQ-BFM**      Serial Number: **1379**


Component / Part:	Description	Part No.	Serial No.
TRANSPONDER-ATC	<b>TRANSPONDER-ATC</b>	<b>7517800-10005</b>	<b>01013177</b>

Remarks: *include any requirements for installation such as: functional testing, adjustment, modification, life limitation, mandatory compliance, inspection, reactivation.*

1. Removed on 05NOV2019 from 1SH2 position acc. WO# 505'934'206 iss. 30JAN2019;
2. Inspected acc. AMM rev 29 from 01AUG2019 Subtask 34-52-33-420-050-A: no deviation found;
3. Tested acc. AMM rev 29 from 01AUG2019 TASK TASK 34-52-00-740-004-A: test is "OK";
4. Last maintenance was carried out on – 12JAN2005 by MAINTENANCE IBERIA CMM 34-52-08 Rev 6 Jun 15/04;
5. Next maintenance due/Life limit – n/a due to OCCM part;
6. AD, repairs and modifications – 12JAN2005 by MAINTENANCE IBERIA AD incorporation S/B 7515800-23-6007, S/B 7517800-23-6010;
7. TSN/CSN – not applicable due to OCCM part;  
TSLI/ CSLI – 28851FH / 10517FC;  
TSLSV/CSLSV – 28851FH / 10517FC;
8. Statement of Compliance #29.8863 from 06.11.2019

*The work recorded has been carried out in accordance with the Air Navigation (Overseas Territories) Order as amended and in respect of that work the aircraft or component is fit for release to service.*

Maintenance manual references: AMM 34-52-33 rev 29 from 01AUG2019

Authorised Signature: 	BCAA AMO Approval Ref. No. <b>BDA / AMO / 302</b>	Authorisation No. 0066
Name: A. Vasilyev	Date: <b>06 NOV 2019</b>	

BAC-AW-03  
Issue 2







"ROSSIYA AIRLINES" JOINT STOCK COMPANY

To whom it may concern

18/4 Pilotov st., St.Petersburg, 196210, Russian Federation  
15A Leninskiy prospekt, Moscow, 119071, Russian Federation  
tel.: +7 (812) 6 333 700, fax:+7 (812) 6 333 810  
head\_office@rossiya-airlines.com

06.11.2019 № 29.8963

STATEMENT OF COMPLIANCE

The mentioned below item

Description TRANSPONDER-ATC

Part No. 7517800-10005

Serial No. 01013177

Was installed on the Airbus 320-214 aircraft reg.No VQ-BFM MSN 1379  
on 08 Jan 2010

Was removed from the aircraft on 05 Nov 2019

Last maintenance was carried out on 12 Jan 2005 by MAINTENANCE IBERIA

Airworthiness directives, repairs and modifications that have been incorporated:

CMM 34-52-08 Rev 6 Jun 15/04. AD incorporation S/B 7515800-23-6007, S/B 7517800-23-6010

Next maintenance due (for HT component) / Life limit (for LLP):

Not applicable due to OCCM part

Time since new / Cycles since new Not applicable due to OCCM part

Time since last inspection / Cycles since last inspection 28851/10517

Time since last shop visit / Cycles since last shop visit 28851/10517

has been operated and maintained in accordance with the manufacturer's practices and procedures and was not involved in accidents, incidents, heavy landings or lightning strikes, was not subjected to fire, extreme heat or damage during the period of its operation within "Rossiya airlines" JSC.

/ Igor Tylesov  
Maintenance quality manager  
"Rossiya airlines" JSC  
Tel./Fax.: +7(812) 6-333-950  
E-mail: I.Tylesov@rossiya-airlines.com

  
I.E. Brulyshchenko



<b>1. DGAC-E</b> Dirección General de Aviación Civil Española SPAIN / España	<b>2. JTHORISED RELEASE CERTIFICATE</b> Certificado de Aptitud Autorizado <b>EASA FORM ONE</b>	<b>3. FORM TRACKING NUMBER</b> Núm. de seguimiento MI10404290 22.705
<b>4. ORGANIZATION</b> Organización <b>MAINTENANCE IBERIA</b> DIRECCIÓN DE MATERIAL ZONAS INDUSTRIALES No. 1 & 2 BAJAJAS 28042 MADRID - SPAIN	TEL. 34-91 587 4816 FAX 34-91 587 5831	<b>5. WORK ORDER / CONTRACT/ INVOICE</b> Orden de Trabajo / Contrato / Factura 03686561
<b>6. ITEM:</b> Artículo ATC TRANSPONDER.	<b>7. DESCRIPTION</b> Descripción ATC TRANSPONDER.	<b>8. PART No.</b> Nº. componente 7517800-10005
<b>9. ELICIBILITY (*)</b> Elegibilidad (*) VARIOUS	<b>10. QTY</b> Cantidad 001	<b>11. SERIAL / BATCH NO.</b> Nº. de Serie / Lote 01013177 Des-99042037
<b>13. REMARKS</b> (Observaciones) C.A. M. 34-53-002 2510 2017/4 A.D. MANTENIMIENTO 9/6 7517800-10005 6007 9/6 7517800-10005-6010	<b>12. STATUS / WORK</b> Estado / Trabajo MANIFIED TESTED	Certifies that unless otherwise specified in Block 13, the work identified in block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service. For IBERIA LAE CFRS No. ILAY037F. Date: _____ Name: _____ (Typed or Printed) Authorised Signature: _____
Limited life parts must normally be accompanied by maintenance history including life used. / Partes de vida limitada, normalmente, deben estar acompañadas por el historial de mantenimiento incluyendo la vida en uso.		
<b>14. Certifies that the items identified above were manufactured in conformity to:</b> <input type="checkbox"/> approved desing data and are in condition for safe operation datos de diseño aprobados y están en condiciones de seguridad de funcionamiento <input type="checkbox"/> non-approved desing data specified in block 13 datos de diseño no aprobados especificados en la casilla 13	<b>19. <input checked="" type="checkbox"/> Part 145.A.50 Release to Service</b> Parte 145.A.50 Aptitud para el Servicio <input type="checkbox"/> Other regulation specified in block 13 Otra norma señalada en la casilla 13	<b>20. AUTHORISED SIGNATURE</b> Firma autorizada [Signature] <b>21. CERTIFICATE/APPROVAL REF. NUMBER</b> Nº. ref. certificado aprobación ES.145.011
<b>15. AUTHORISED SIGNATURE</b> Firma autorizada	<b>16. APPROVAL/AUTHORISATION NUMBER</b> Nº. de Aprobación/Autorización	<b>22. NAME:</b> Nombre CARLOS MORA <b>23. DATE (dd/mm/yy):</b> Fecha (dd/mm/aa) 12/06/05

**EASA Form One - Issue 1 (Formulario EASA 1 - Edición 1)**

**NOTE:**

- It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component in accordance with the national regulations of an Airworthiness Authority different from the one that issued the certificate specified in block 1. It is essential that the user/installer ensure that the higher Airworthiness Authority accepts the part/component assembly from the Airworthiness Authority specified in block 1.
- Where the user/installer is not the Airworthiness Authority specified in block 1, it is essential that the user/installer ensure that the higher Airworthiness Authority accepts the part/component assembly from the Airworthiness Authority specified in block 1.
- Statements 14 and 19 do not constitute installation certification, in all of cases the correct maintenance record must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

**NOTA:**

- Es importante tener claro que la mere existencia del documento no autoriza automáticamente a instalar el componente, el elemento o los instrumentos.
- Si el usuario o instalador trabaja con arreglo a la normativa nacional de una Autoridad de Aeronavegabilidad distinta de la especificada en la casilla 1, es esencial que se asegure de que la Autoridad de Aeronavegabilidad a la que está sujeta acepta los componentes, los elementos o los instrumentos de la Autoridad de Aeronavegabilidad especificada en la casilla 1.
- Los enunciados 14 y 19 no constituyen certificación de instalación. En todo caso, el registro de mantenimiento de la aeronave, debe contener una certificación de instalación expedida por el usuario e instalador en virtud de la normativa nacional antes de poder poner la aeronave en vuelo.





### SERVICEABLE RELEASE CERTIFICATE

Certificate Number | **19-167**

Aircraft type: **A320-214** | Registration: **VQ-BFM** | Serial Number: **1379**

Component / Part:	Description	Part No.	Serial No.
TRANSPONDER-ATC	<b>TRANSPONDER-ATC</b>	<b>7517800-10005</b>	<b>01053381</b>

Remarks: *include any requirements for installation such as: functional testing, adjustment, modification, life limitation, mandatory compliance, inspection, reactivation.*

1. Removed on 05NOV2019 from 1SH1 position acc. WO# 505'934'206 iss.30JAN2019;
2. Inspected acc. AMM rev 29 from 01AUG2019 Subtask 34-52-33-420-050-A: no deviation found;
3. Tested acc. AMM rev 29 from 01AUG2019 TASK TASK 34-52-00-740-004-A: test is "OK";
4. Last maintenance was carried out on – 11JAN2005 by MAINTENANCE IBERIA CMM 34-52-08 Rev 6 Jun 15/04;
5. Next maintenance due/Life limit – n/a due to OCCM part;
6. AD, repairs and modifications – 11JAN2005 by MAINTENANCE IBERIA AD incorporation S/B 7515800-23-6007, S/B 7517800-23-6010;
7. TSN/CSN – not applicable due to OCCM part;  
TSLI/ CSLI – 28844FH / 10516FC;  
TSLSV/CSLSV – 28844FH / 10516FC;
8. Statement of Compliance #29.8864 from 06.11.2019



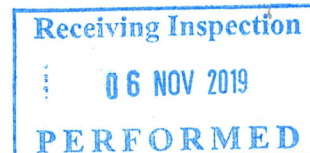
*The work recorded has been carried out in accordance with the Air Navigation (Overseas Territories) Order as amended and in respect of that work the aircraft or component is fit for release to service.*

Maintenance manual references: | AMM 34-52-33 rev 29 from 01AUG2019

Authorised Signature: 	BCAA AMO Approval Ref. No. <b>BDA / AMO / 302</b>	Authorisation No. 0066
---------------------------	--	---------------------------

Name: A. Vasilyev	Date: <b>06 NOV 2019</b>
----------------------	--------------------------

BAC-AW-03  
Issue 2







ROSSIYA AIRLINES JOINT STOCK COMPANY

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head\_office@rossiya-airlines.com

To whom it may concern

06.11.2019 № 29.8964

STATEMENT OF COMPLIANCE

The mentioned below item

Description TRANSPONDER-ATC

Part No. 7517800-10005

Serial No. 01053381

Was installed on the Airbus 320-214 aircraft reg.No VQ-BFM MSN 1379  
on 08 Jan 2010

Was removed from the aircraft on 05 Nov 2019

Last maintenance was carried out on 11 Jan 2005 by MAINTENANCE IBERIA

Airworthiness directives, repairs and modifications that have been incorporated:

CMM 34-52-08 Rev 6 Jun 15/04. AD incorporation S/B 7515800-23-6007, S/B 7517800-23-6010

Next maintenance due (for HT component) / Life limit (for LLP):

Not applicable due to OCCM part

Time since new / Cycles since new Not applicable due to OCCM part

Time since last inspection / Cycles since last inspection 28844/10516

Time since last shop visit / Cycles since last shop visit 28844/10516

has been operated and maintained in accordance with the manufacturer's practices and procedures and was not involved in accidents, incidents, heavy landings or lightning strikes, was not subjected to fire, extreme heat or damage during the period of its operation within "Rossiya airlines" JSC.

Igor Tylesov  
Maintenance quality manager  
"Rossiya airlines" JSC  
Tel./Fax.: +7(812) 6-333-950  
E-mail: I.Tylesov@rossiya-airlines.com



<b>1. DGAC-E</b> Dirección General de Aviación Civil Española SPAIN / España	<b>2. UTHORISED RELEASE CERTIFICATE</b> Certificado de Aptitud Autorizado <b>EASA FORM ONE</b>	<b>3. FORM TRACKING NUMBER</b> Num. de seguimiento MI10404257
<b>4. ORGANIZATION</b> Organización <b>MAINTENANCE</b> <b>IBERIA</b>	DIRECCIÓN DE MATERIAL ZONAS INDUSTRIALES No. 1 & 2 BARAJAS 28042 MADRID - SPAIN TEL: 34-91 587 4816 FAX: 34-91 587 5831	<b>5. WORK ORDER / CONTRACT / INVOICE</b> Orden de Trabajo / Contrato / Factura 03684284
<b>6. ITEM</b> Artículo	<b>7. DESCRIPTION</b> Descripción ATC TRANSPONDER	<b>8. PART No.</b> Nº. componente 7517900-10005
	<b>9. ELICIBILITY (*)</b> Elegibilidad (*) VARIOUS	<b>10. QTY</b> Cantidad 001
	<b>11. SERIAL / BATCH NO.</b> Nº. de Serie / Lote 01053381	<b>12. STATUS / WORK</b> Estado / Trabajo 100% FICHA TESTED
<b>13. REMARKS (Observaciones)</b> C.M.M. 34-52-05 REV 6 JUN 15/04/05 A.D. MEORPARATOT 5/6 15-17-04-23-04-17 5/6 7517900-10005-6010		
Limited life parts must normally be accompanied by maintenance history including life used. / Partes de vida limitada, normalmente, deben estar acompañadas por el historial de mantenimiento incluyendo la vida en uso.		
<b>14. Certifies that the items identified above were manufactured in conformity to:</b> <input type="checkbox"/> approved desing data and are in condition for safe operation datos de diseño aprobados y están en condiciones de seguridad de funcionamiento <input type="checkbox"/> non-approved desing data specified in block 13 datos de diseño no aprobados especificados en la casilla 13		
<b>15. AUTHORISED SIGNATURE</b> Firma autorizada <b>16. APPROVAL/AUTHORISATION NUMBER</b> Nº. de Aprobación/Autorización <b>17. NAME</b> Nombre <b>18. DATE (dd/mm/yy)</b> Fecha (dd/mm/aa)		
<b>19. Part 145.A.50 Release to Service</b> <input type="checkbox"/> Other regulation specified in block 13 Parte 145.A.50 Aptitud para el Servicio Otra norma señalada en la casilla 13 Certifies that unless otherwise specified in Block 13, the work identified in block 12 and described in Block 13 was accomplished in accordance with part 145 and in respect to that work the items are considered ready for release to service. Certifica que, salvo por lo indicado en la casilla 13, el trabajo señalado en la casilla 12 y descrito en la casilla 13, se ha llevado a cabo de conformidad con la parte 145, y al respecto de ese trabajo los artículos se consideran aptos para el servicio.		
<b>20. AUTHORISED SIGNATURE</b> Firma autorizada <b>21. CERTIFICATE/APPROVAL REF. NUMBER</b> Nº. ref. certificado aprobación ES.145.011 <b>22. NAME</b> Nombre <b>23. DATE (dd/mm/yy)</b> Fecha (dd/mm/aa)		

(\*) INSTALLER MUST CROSS-CHECK ELIGIBILITY WITH APPLICABLE TECHNICAL DATA  
 El instalador debe verificar la elegibilidad con los datos técnicos aplicables.

**NOTE:**

- It is important to understand that the existence of the document alone does not automatically constitute authority to install the part/component/assembly.
- Where the user/installer works in accordance with the national regulations of an Airworthiness Authority different from the Airworthiness Authority specified in block 1, it is essential that the user/installer ensure that this has their Airworthiness Authority accepts parts/component/assemblies in accordance with the national regulations of that country. In all of cases the aircraft maintenance record must be updated in accordance with the national regulations of that country.
- Statements made by the user/installer in accordance with the national regulations in all of cases the aircraft maintenance record must be updated in accordance with the national regulations of that country.

Es importante tener claro que la mera existencia del documento no autoriza automáticamente a instalar el componente, el elemento o los instrumentos.  
 Si el usuario o instalador trabaja con arreglo a la normativa nacional de una Autoridad de Aeronavegabilidad distinta de la especificada en la casilla 1, es esencial que se asegure de que la Autoridad a la cual está sujeta acepta los componentes, los elementos o los instrumentos de aeronavegabilidad de la casilla 1. En todos los casos, el registro de mantenimiento de la aeronave, debe contener una certificación de instalación estándar por el usuario o instalador en virtud de la normativa nacional antes de poder poner la aeronave en vuelo.





### SERVICEABLE RELEASE CERTIFICATE

Certificate Number **19-080**

Aircraft type: A-320-214      Registration: VQ-BCG      Serial Number: 1200

Component / Part:	Description	Part No.	Serial No.
Component	TRANSPONDER-ATC	7517800-10005	02023704

Remarks: *include any requirements for installation such as: functional testing, adjustment, modification, life limitation, mandatory compliance, inspection, reactivation.*

Was installed on the Airbus 320-214 aircraft reg.No VQ-BCG MSN 1200 on 24.NOV.2010

Was removed from the aircraft on 01.JUL.2019

Last maintenance was carried out on 25 JUN 2010 by Lufthansa Technik

Airworthiness directives, repairs and modifications that have been incorporated:

No known airworthiness directives, repairs and modifications applicable to this part

Next maintenance due (for HT component) / Life limit (for LLP) Not applicable due to OCCM part

Time since new / Cycles since new / 43695 / 18957

Time since last inspection / Cycles since last inspection 25964 / 9662

Time since last shop visit / Cycles since last shop visit 25964 / 9662

has been operated and maintained in accordance with the manufacturer's practices and procedures and was not involved in accidents, incidents, heavy landings or lightning strikes, was not subjected to fire, extreme heat or damage during the period of its operation within "Rossiya airlines" JSC.

BITE test of the TRANSPONDER ATC (1SH2) has been performed IAW AMM TASK 34-52-00-740-004 . Rev.28 from 01.MAY.2019. TEST OK.

STATEMENT OF COMPLIANCE # 29.8636 dated 01.07.2019.

*The work recorded has been carried out in accordance with the Air Navigation (Overseas Territories) Order as amended and in respect of that work the aircraft or component is fit for release to service.*

Maintenance manual references: Removed IAW AMM TASK 34-52-33-000-001-A Rev.28 from 01.MAY.2019

Authorised Signature:	BCAA AMO Approval Ref. No. BDA/AMO/302	Authorisation No. 0174
-----------------------	---	---------------------------

Name: V. PERMIAKOV	Date: 01.JULY.2019
-----------------------	-----------------------

BAC-AW-03  
Issue 2





19-080



To whom it may concern

"ROSSIYA AIRLINES" JOINT STOCK COMPANY

18/4 Pilotov st., St.Petersburg, 196210, Russian Federation  
15A Leninskiy prospekt, Moscow, 119071, Russian Federation  
tel.: +7 (812) 6 333 700, fax:+7 (812) 6 333 810  
head\_office@rossiya-airlines.com

01.07.2019 № 29.8636

STATEMENT OF COMPLIANCE

The mentioned below item

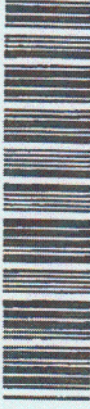
Description TRANSPONDER-ATC  
Part No. 7517800-10005  
Serial No. 02023704  
Was installed on the Airbus 320-214 aircraft reg.No VQ-BCG MSN 1200  
on 24 Nov 2010

Was removed from the aircraft on 01 Jul. 2019  
Last maintenance was carried out on 25 Jun 2010 by Lufthansa Technik  
Airworthiness directives, repairs and modifications that have been incorporated:  
No known airworthiness directives, repairs and modifications applicable to this part  
Next maintenance due (for HT component) / Life limit (for LLP):  
Not applicable due to OCCM part

Time since new / Cycles since new: 43695 / 18957  
Time since last inspection / Cycles since last inspection: 25964 / 9662  
Time since last shop visit / Cycles since last shop visit: 25964 / 9662  
has been operated and maintained in accordance with the manufacturer's practices and  
procedures and was not involved in accidents, incidents, heavy landings or lightning strikes,  
was not subjected to fire, extreme heat or damage during the period of its operation within  
"Rossiya airlines" JSC.

Igor Tylesov  
Maintenance quality manager  
"Rossiya airlines" JSC  
Tel./Fax.: +7(812) 6-333-950E-mail:  
I.Tylesov@rossiya-airlines.com





1. Approving Competent Authority / Country <b>LBA / Germany</b>		2.		3. Form Tracking Number <b>15239160 00000004</b>	
4. Approved Organisation Name and Address: <b>Lufthansa Technik</b> Weg beim Jäger 193 P.O. Box 63 03 00 D-22313 Hamburg Federal Republic of Germany					
6. Item <b>01</b>	7. Description <b>TRANSPONDER ATC XS-950</b>	8. Part No. <b>7517800-10005</b>	9. Eligibility (*) <b>UNKNOWN</b>	10. Qty <b>1</b>	11. Serial / Batch No. <b>02023704</b>
12. Status / Work <b>INSPECTED / TESTED</b>					
13. Remarks <b>FSCM 1WYD3 ATA 3400 TPE MK-No. 10 Pack Code TR2 Resp. Workshop 32235 Workshop Station HAM305</b>					
Task performed, Status/Work and CMM Reference see attached original certificate No. CQ-32388 Date APR/09/2010 For storage conditions see CMM or operator's maintenance program. Limited life parts must be accompanied by maintenance history Certifies that the items identified above were manufactured in conformity to: <input type="checkbox"/> approved design data and are in condition for safe operation <input checked="" type="checkbox"/> Part-145.A.50 Release to Service <input checked="" type="checkbox"/> Other Regulation specified in block 13 Certifies that unless otherwise specified in block 13, the work identified in block 12 and described in block 13, was accomplished in accordance with Part- 145 and in respect to that work the items are considered ready for release to service.					
15. Authorised Signature		16. Approval / Authorisation Number		20. Authorised Signature <i>Rolf Müller</i>	
17. Name		18. Date (d/m/y)		21. Certificate / Approval Ref. Number <b>DE.145.0001</b>	
				22. Name <b>405678, Rolf Müller</b>	
				23. Date (d/m/y) <b>25/Jun/2010</b>	

EASA FORM 1 - Issue 1  
USER/INSTALLER RESPONSIBILITIES

- Note:
- It is important to understand that the existence of the document alone does not automatically constitute authority to install the part/component/assembly.
  - Where the user/installer works in accordance with the national regulations of the Airworthiness Authority different from the Airworthiness Authority 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 specified in block 1.
  - 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 regulations by the user/installer before the aircraft may be flown.



B7E7

1. Approving National Aviation Authority/Country: <b>FAA/UNITED STATES</b>		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: See block #5 below	
4. Organization Name and Address: <b>L3ZR029X</b>		<b>ACSS Repair and Overhaul</b> <b>19810 North 7th Avenue</b> <b>Phoenix, Arizona 85027-4400</b>		5. Work Order, Contract, or Invoice Number: Reference: <b>CQ-06976</b> Customer PO No.: <b>REPR22679</b>	
6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:
1	<b>XS-950 ATDL TRANSPONDER</b>	<b>7517800-10005</b>	<b>N/A</b>	<b>1 EA.</b>	<b>99082503</b>
12. Status/Work: <b>MODIFIED</b>					

13. Remarks: **Complies with FAR Part 43 Appendix F. Certifies that the work specified in blocks 12/13 was carried out in accordance with JAR 145 and in respect to that work the aircraft component is considered ready for release to service under JAA Certificate Number JAA. 5441**

Inspection Drawing No.	Revision	Other Drawing No.	Revision	IT No.	Revision	Technician
<b>CMM 34-52-08</b>	<b>5</b>	<b>SB 7517800-23-5</b>	<b>5</b>	<b>IT 7517800</b>	<b>W</b>	<b>BROCK MOLLICA</b>
		<b>SB 7517800-23-6007</b>	<b>0</b>			

14. Certifies the item 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 13.

15.  14 CFR 43.9 Return to Service  Other regulation specified in Block 13

16. Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

Receiving Inspection  
17. 11. 2009  
PERFORMED  
04

Replaced A3 Q7 due to unstable transmitter signal. Installed HW Mod A. Converted unit from a -10002 to a -10005. Ran a full functional test and re-certified unit.

15. Authorized Signature:		16. Approval Authorization No:		17. Name (Typed or Printed):	
				<b>STEVE HARRIS</b>	
18. Date (m/d/y):		19. Approval/Certificate No:		20. Date (m/d/y):	
		<b>L3ZR029X</b>		<b>2/24/04</b>	

21. User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of a country different than 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.

Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulation by the user/installer.



Утверждаю:

Гл. инженер АТБ



Харченко В.М.

Составлен комиссией в составе:

инженера цеха 7 Корсакова В.В.

инженера цеха 7 Ляпугина А.В.

а/техника цеха 7 Старикова С.И.

на предмет выписки формуляра - дубликата самолета на основании приказа главного инженера ГУ ГВФ № 11 П от 15.01.1952 г.

на изделии XS-950 p/n 7517800-10002

№ 99082503 год выпуска 2001

наработка с начала эксплуатации \_\_\_\_\_

наработка после п/р \_\_\_\_\_

Подписи:

Корсаков В.В.

Ляпугин А.В.

Стариков С.И.

8095  
5944

ТОЛЬКО ДЛЯ Ту-154М, Ту-134А!!

Ответчик MODE S

# ПАСПОРТ

5\*

на XS-950 p/n 7517800-10002

№ 99082503

Паспорт составлен на основании:

Акта комиссии АТБ «Пулково»

от 18.04.03 г.

Кем выдан: АТБ ГУАП «Пулково»

Формуляр заполнен: 18.04.03 г.

Нач. цеха

Контролер ОТК

\* 05.08.03 г.м. доработан по маркеризации  
7517800-10002-4000 ПУЛКОВО  
П.П.С.

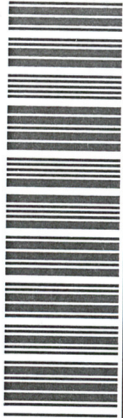


18.9.03 Продепен с картале одзента 85695  
 25.10.03 Продепен с картале одзента 85753  
 7.10.03c Продепен с картале одзента 85185

(8553) 18.04.03 85695  
 21.10.03 8266 "ко Budget" c - r  
 (1093) 25.10.03 85753  
 15.11.03 1345 c.п.к. TA/PA net  
 (3766) 17.10.03 85185  
 06.01.04 1021 u Budget order  
 (8431) 06.05.05 85771 u Budget  
 02.11.09 8861 ke pop. p-ee

Handwritten signature and scribbles at the bottom right of the page.





17456030

1. Approving Competent Authority / Country <b>LBA / Germany</b>		2. <b>AUTHORISED RELEASE CERTIFICATE EASA FORM 1</b>		3. Form Tracking Number <b>10853721 00000003</b>	
4. Organisation Name and Address: <b>Lufthansa Technik</b> Lufthansa Technik AG Weg beim Jäger 193 22335 Hamburg Germany					
6. Item 01	7. Description TRANSPONDER ATC TRA-67A	8. Part No. 066-01127-1402	9. Qty. 1	10. Serial No. TRA67A-04513	11. Status / Work REPAIRED
12. Remarks ATA 3450 TP R MK-No. 10 Pack Code L0 Resp. Workshop 33435010 Workshop Station HAM305 SBC TRA-67A-34-142 Rev. 01 performed SBC TRA-67A-34-146 Rev. 02 performed SBC TRA-67A-34-148 Rev. 00 performed					
13a. Certifies that the items identified above were manufactured in conformity to: <input type="checkbox"/> approved design data and are in a condition for safe operation <input checked="" type="checkbox"/> Part-145.A.50 Release to Service 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. Further details of work performed are attached either in a Workshop Report (reference number: see blocks 3 and 5) or in other applicable documents. <input checked="" type="checkbox"/> Other Regulation specified in block 12					
13b. Authorised Signature		13c. Approval / Authorisation Number		14c. Certificate / Approval Ref. Number <b>DE:145.0001</b>	
13d. Name		13e. Date (dd mmm yyyy)		14e. Date (dd mmm yyyy) 11 Aug 2018	

**Return to Service in Accordance with 14 CFR part 43**  
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  
FAA Certificate No. DLAY225D

**Receiving Inspection**  
21 SEP 2018  
**PERFORMED**

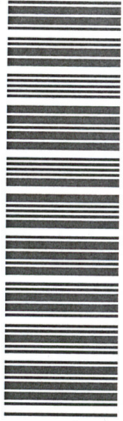


TASK PERFORMED IN ACCORDANCE WITH CMM 34-54-36  
REV 9 / CMDS 34-54-36 ISSUE 048

**EASA FORM 1 - Issue 2  
USER/INSTALLER RESPONSIBILITIES**

Note: 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 from 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.





# Workshop Report

17456030

<p><b>Customer Order No.</b></p>	<p><b>Lufthansa Technik</b> Lufthansa Technik AG Weg beim Jäger 193 22335 Hamburg Germany</p>	<p><b>Certificate Ref. No.</b> 10853721 00000003</p>																		
<p><b>Part. No. as received</b> 066-01127-1402</p>	<p><b>Serial No. as received</b> TRA67A-04513</p>	<p><b>Work Order/Contract/Invoice</b> N/A</p>																		
<p><b>Part No. as dispatched</b> 066-01127-1402</p>	<p><b>Serial No. as dispatched</b> TRA67A-04513</p>	<p><b>Description</b> TRANSPONDER ATC TRA-67A</p>																		
<p><b>Reason for removal</b> ATC PORTION US</p>		<p><b>Responsible Workshop</b> 33435010</p>																		
<p><b>Findings</b></p>		<p><b>Modification Status according to Mod-Label</b></p>																		
<p><b>Action</b></p>		<table border="0"> <tr><td>1</td><td>2</td><td>3</td></tr> <tr><td>4</td><td>5</td><td>6</td></tr> <tr><td>7</td><td>10</td><td>11</td></tr> <tr><td>12</td><td>14</td><td>15</td></tr> <tr><td>16</td><td>19</td><td>20</td></tr> <tr><td>21</td><td>28</td><td>SW 02/02</td></tr> </table>	1	2	3	4	5	6	7	10	11	12	14	15	16	19	20	21	28	SW 02/02
1	2	3																		
4	5	6																		
7	10	11																		
12	14	15																		
16	19	20																		
21	28	SW 02/02																		
<p>Fault memory entries: 28H IOP BD SQUITTER RATE OUT OF SPEC in leg 2 F2H TCAS TCAS PERIODIC DATA FAIL Modulator voltage less than +50VDC. Unit needs modifications.</p> <p>Performed incoming inspection test. Modified unit in accordance to service bulletins TRA-67A-34-142 rev.1 dated 30.May.2007. TRA-67A-34-146 rev.2 dated 21.Sep.2007. TRA-67A-34-148 rev.0 dated 09.Jan.2004. Software modification is done to prevent inappropriate logging of faults 28H, E3H, and 27H into fault memory. Performed modulator, resonator and transmitter alignment. Performed endurance run to check reliability. Performed return-to-service test, unit passed.</p>																				
<p>The work specified above has been performed subject to Lufthansa Technik's Standard conditions for Technical Services which, if not superseded by another agreement or not yet agreed upon before, are acknowledged by the customer with acceptance of the part(s) hereunder.</p>		<p><b>Name</b> 431284, Torsten Frömming</p> <p><b>Date (dd mmm yyyy)</b> 11 Aug 2018</p>																		





SmartLabel-ID: 100000003140623

17456030



Ident-Tag Barcode

# Ident-Tag



# Lufthansa Technik

Form Tracking Number | Work Order / Contract / Invoice  
10853721 00000003

Description | Part. No.  
TRANSPONDER ATC TRA-67A | 066-01127-1402

Eligibility | Quantity | Status / Work | Serial-/Batch No.  
1 | REPAIRED / MODIFIED | TRA67A-04513

Remarks  
TP R MK-No. 10 Resp. Workshop 33435010 Workshop Station HAM305  
FSCM 27914 ATA 3450

TT	Opr. Hours	Cycle	Opr. Day	Store	Cal. Day	
TSO	69137	39856	9132	9	10053	SBC TRA-67A-34-142, Rev. 01 performed
TSC	69137	39856	9132	9	9450	SBC TRA-67A-34-146, Rev. 02 performed
TSF	0	0	0	0	0	SBC TRA-67A-34-148, Rev. 00 performed

Packaging Code:L0

Seal Pack:Seal bag

<b>Installed on</b> (Information is only required in case of installation only)		
PNR NHA	SNR NHA	Position/FIN No. NHA
Station	A/C-Registration	

## Removed

PNR<sup>1</sup> | SNR<sup>1</sup> | Position/FIN No.<sup>1</sup>

Station<sup>1</sup> | A/C-Registration<sup>1</sup> | Unit Barcode No.

### Removed from NHA

 (Information is only required in case of part change on next higher assy)

PNR NHA | SNR NHA | Position/FIN No. NHA

### Reason for Removal<sup>1</sup>

22 Unscheduled | Complaint No.<sup>1</sup> or WO-Reference<sup>1</sup> |  11 Scheduled

Failure Description<sup>1</sup> (Please write in capital letters only)

CCI-ID<sup>2</sup>

Stamp or ID Number + Signature<sup>1/2</sup>

Date<sup>1</sup>

Special Investigation Tag exists  Yes

Please send back to:(unless other return location is agreed)

LUFTHANSA TECHNIK AG  
c/o Lufthansa Technik Logistik Services GmbH  
Warenannahme / Goods Receiving  
Weg beim Jaeger 193  
22335 HAMBURG-FUHLISBUETTEL  
Deutschland

(LTLS-Information: Use this box for ZID)

<sup>1</sup> Mandatory entries without using CCI-Mask

<sup>2</sup> Mandatory entries using CCI-Mask





## PROFORMA INVOICE

13.09.2018

Page 1 of 2

<b>SHIPPER</b> Lufthansa Technik AG FRA UE/MF1 Tor 23, Geb. 401 Rhein-Main Flughafen DE - 60549 Frankfurt/Main	<b>Document No.</b> <b>56018278402</b>
	
<b>Consignee's Name and Address</b> JSC ROSSIYA AIRLINES Open Joint Stock Company Tel: +7 812 704 1764 transfer to L 18/4 Pilotov Street RU - 196210 ST. PETERSBURG	<b>Shipping Information</b> Customs status X Incoterm FCA FRA Priority CLS  Routing FRA-LED RUS

No of Pieces	Gross weight kg	Description of Packing
2	22,30	1 special box (non-wood) / 11,20 KG / 53x41x26CM / 1 special box (non-wood) / 11,10 KG / 53x41x26CM /

POS	Material-/Partnummer	Description
1	066-01127-1402:27914 1,000 EA Ser.No.: TRA67A-04513	XPDR ATC# TRANSPONDER ATC TRA-67A Condition: serviceable Unit Price: USD 35.356,51 Total Price ( Pos.): USD 35.356,51 Int. Cost Center: 210999000 ZID:010101010 Int. Customer Reference: 116000096750 Our Reference: 35700707-1, Item No. ATLAS-Reg.: 000000 Note: VQ-BAT Your Reference: PX0090818 Customs Tariff No.: 851769 Reason for Shipping: 1:1 Austauschgerät / 1:1 repair exchange Country of Origin: USA Export List No: 0 Export ECCN: 7A994 Material is not listed as Dual-use good according to Council Regulation (EC) 428/2009 RET-EXP - 304000
2	066-01127-1402:27914 1,000 EA Ser.No.: TRA67A-19693	XPDR ATC# TRANSPONDER ATC TRA-67A Condition: serviceable Unit Price: USD 35.356,51 Total Price ( Pos.): USD 35.356,51 Int. Cost Center: 210999000 ZID:010101010 Int. Customer Reference: 116000096750 Our Reference: 35700961-1, Item No. ATLAS-Reg.: 000000 Note: VQ-BAT Your Reference: PX0090918 Customs Tariff No.: 851769 Reason for Shipping: 1:1 Austauschgerät / 1:1 repair exchange Country of Origin: USA Export List No: 0 Export ECCN: 7A994 Material is not listed as Dual-use good according to Council Regulation (EC) 428/2009 RET-EXP - 304000

These items are controlled by the U.S. Government and authorized for reexport only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.



17254427



1. Approving Competent Authority / Country  
LBA / Germany

2. **AUTHORISED RELEASE CERTIFICATE**  
**EASA FORM 1**

3. Form Tracking Number  
19784149 00000001

4. Organisation Name and Address:  
**Lufthansa Technik**  
Lufthansa Technik AG  
Weg beim Jäger 193  
22335 Hamburg  
Germany

5. Work Order/Contract/Invoice  
17254427

6. Item	7. Description	8. Part No.	9. Qty.	10. Serial No.	11. Status / Work
01	TRANSPONDER ATC TRA-67A	066-01127-1402	1	TRA67A-05456	REPAIRED

12. Remarks  
ATA 3452    TPR    MK-No. 10    Pack Code L0    Resp. Workshop 33435010    Workshop Station HAM305  
SBC TRA-67A-34-134, Rev. 02 performed  
SBC TRA-67A-34-142, Rev. 01 performed  
SBC TRA-67A-34-161, Rev. 00 performed  
SBC SUSPARTS-00-0001, Rev. 02 performed



**Return to Service in Accordance with 14 CFR part 43**  
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  
FAA Certificate No. DLAY225D

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

Further details of work performed are attached either in a Workshop Report (reference numbers: see blocks 3 and 5) or in other applicable documents.

13b. Authorised Signature  
13c. Approval / Authorisation Number  
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.

13d. Name  
13e. Date (dd mmm yyyy)  
14b. Authorised Signature  
14c. Certificate / Approval Ref. Number  
14d. Name  
14e. Date (dd mmm yyyy)

**EASA FORM 1 - Issue 2**  
**USER/INSTALLER RESPONSIBILITIES**

Note: 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 from 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.



# Workshop Report

17254427



**Lufthansa Technik**

Lufthansa Technik AG  
Weg beim Jäger 193  
22335 Hamburg  
Germany

Certificate Ref. No.

19784149 00000001

Work Order/Contract/Invoice

N/A

Part. No. as received

066-01127-1402

Serial No. as received

TRA67A-05456

Description

TRANSPONDER ATC TRA-67A

Part No. as dispatched

066-01127-1402

Serial No. as dispatched

TRA67A-05456

Responsible Workshop

33435010

Reason for removal

ATC 1 TRANSPONDER (TIME TO TIME)

Modification Status according to Mod-Label

Findings

REASON OF REMOVAL CONFIRMED.  
Found very low power (<50W) on top and bottom antenna.  
Antenna switch board, E10 (input from transmitter) PCB feedthrough missing (bad workmanship in unit's history).  
Found C1001 disconnected from power supply.  
Some bad solderings in unit.  
MTL top antenna -76 dBm while MTL bottom antenna about -74 dBm and instable due to bad variable resistor R5200.  
Mode S TX pulses mishaped: Rise time off limit and pulse width near lower limit at the end of Mode S reply.  
TX frequency near upper limit.  
Unit failed Mode A sidelobe suppression decoder test on top antenna.  
Unit failed Mode S pulse spacing decoder test on top antenna.  
Fault memory entries:  
FAH ALTITUDE-706 AIR DATA FAILURE  
E3H CONTROL PANEL, NO CONTROL DATA  
18H IOP BD MODE S ADDRESS FAILURE

Action

Disassembled unit, cleaned, inspected and reassembled.  
Reconnected C1001 to power supply.  
SBC TRA-67A-34-134, Rev. 02 (unit mod. 22) performed to repair the unit, during TRA-67A-34-134 replaced antenna switch board: of: P/N 200-08053-0010 with S/N 2691 and scrapped, or: P/N 200-08053-0020 with S/N PLP133200297.  
New antenna switch board has subassy mod. 7.  
SBC TRA-67A-34-161, Rev. 00, is performed, too.  
Replaced variable resistor R5200.  
RF interface module, reworked soldering at output side.  
Transmitter module, reworked ground soldering at transmitter output.  
Transmitter board, rerouted RF output loop (preventive action).  
SBC TRA-67A-34-142, Rev. 01 performed.  
SBC SUSPARTS-00-0001, Rev. 02 performed (no S.U.P. found).  
Performed full Video/DPSK board alignment procedure.

The work specified above has been performed subject to Lufthansa Technik's Standard conditions for Technical Services which, if not superseded by another agreement or not yet agreed upon before, are acknowledged by the customer with acceptance of the part(s) hereunder.

Name

67183, Nicolai Berger

Date (dd mmm yyyy)

21 Mar 2018



# Workshop Report

17254427



Lufthansa Technik AG  
Weg beim Jäger 193  
22335 Hamburg  
Germany

Certificate Ref. No. 19784149 00000001

Work Order/Contract/Invoice N/A

Part. No. as received  
066-01127-1402

Serial No. as received

TRA67A-05456

Description

TRANSPONDER ATC TRA-67A

Part No. as dispatched  
066-01127-1402

Serial No. as dispatched

TRA67A-05456

Responsible Workshop

33435010

Action

Performed resonator alignment and transmitter alignment.  
Performed return-to-service test, unit passed.

Modification Status according to Mod-Label

1	2	3
4	5	6
8	9	10
11	12	14
15	16	19
20	21	22
23	25	28
SW 02/02		

Name

67183, Nicolai Berger

Date (dd mmm yyyy)

21 Mar 2018

The work specified above has been performed subject to Lufthansa Technik's Standard conditions for Technical Services which, if not superseded by another agreement or not yet agreed upon before, are acknowledged by the customer with acceptance of the part(s) hereunder.

LHT Form 30992 G-15 (HAM WG/Q)





Smartlabel-ID: 10000003041084



17254427

Ident-Tag Barcode

# Ident-Tag



# Lufthansa Technik

Form Tracking Number | Work Order / Contract / Invoice  
19784149 00000001

Description | Part. No.  
TRANSPONDER ATC TRA-67A | 066-01127-1402

Eligibility | Quantity | Status / Work | Serial-/Batch No.  
1 | REPAIRED / MODIFIED | TRA67A-05456

Remarks  
TP R MK-No. 10 Resp. Workshop 33435010 Workshop Station HAM305  
FSCM 97896 ATA

TT	Opr. Hours	Cycle	Opr. Day	Store	Cal. Day	SBC TRA-67A-34-134, Rev. 02 performed
TSO	45271	22337	4980	4780	9760	SBC TRA-67A-34-142, Rev. 01 performed
TSC	45271	22337	4980	4780	9760	SBC TRA-67A-34-161, Rev. 00 performed
TSF	0	0	0	0	0	SBC SUSPARTS-00-0001, Rev. 02 performed

Packaging Code:L0

Seal Pack:Seal bag

<b>Installed on</b> (Information is only required in case of installation only)		
PNR NHA	SNR NHA	Position/FIN No. NHA
Station	A/C-Registration	

## Removed

PNR<sup>1</sup> | SNR<sup>1</sup> | Position/FIN No.<sup>1</sup>

Station<sup>1</sup> | A/C-Registration<sup>1</sup> | Unit Barcode No.

### Removed from NHA

 (Information is only required in case of part change on next higher assy)

PNR NHA | SNR NHA | Position/FIN No. NHA

### Reason for Removal<sup>1</sup>

22 Unscheduled | Complaint No.<sup>1</sup> or WO-Reference<sup>1</sup> |  11 Scheduled

Failure Description<sup>1</sup> (Please write in capital letters only)

CCI-ID<sup>2</sup>

Stamp or ID Number + Signature<sup>1/2</sup>

Date<sup>1</sup>

Special Investigation Tag exists  Yes

Please send back to:(unless other return location is agreed)

LUFTHANSA TECHNIK AG  
c/o Lufthansa Technik Logistik Services GmbH  
Warenannahme / Goods Receiving  
Weg beim Jaeger 193  
22335 HAMBURG-FUHLBUETTEL  
Deutschland

(LTLS-Information: Use this box for ZID)

<sup>1</sup> Mandatory entries without using CCI-Mask

<sup>2</sup> Mandatory entries using CCI-Mask









17424342

<b>Customer Order No.</b>	19955337 00000001																					
<b>Work Order/Contract/Invoice</b>	N/A																					
<b>Description</b>	TRANSPONDER ATC TRA-67A																					
<b>Responsible Workshop</b>	33435010																					
<b>Modification Status according to Mod-Label</b>	<table border="0"> <tr><td>1</td><td>2</td><td>3</td></tr> <tr><td>4</td><td>5</td><td>6</td></tr> <tr><td>8</td><td>9</td><td>10</td></tr> <tr><td>11</td><td>12</td><td>14</td></tr> <tr><td>15</td><td>16</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>28</td></tr> <tr><td>SW 02/02</td><td></td><td></td></tr> </table>	1	2	3	4	5	6	8	9	10	11	12	14	15	16	19	20	21	28	SW 02/02		
1	2	3																				
4	5	6																				
8	9	10																				
11	12	14																				
15	16	19																				
20	21	28																				
SW 02/02																						
<b>Name</b>	431284, Torsten Frömming																					
<b>Date (dd mmm yyyy)</b>	26 Jul 2018																					

# Workshop Report



Lufthansa Technik AG  
 Weg beim Jäger 193  
 22335 Hamburg  
 Germany

<b>Part No. as received</b> 066-01127-1402	<b>Serial No. as received</b> TRA67A-13223
<b>Part No. as dispatched</b> 066-01127-1402	<b>Serial No. as dispatched</b> TRA67A-13223
<b>Reason for removal</b> FAIL NO RESPONSE.	
<b>Findings</b> Fault memory entries: 41H RX ASSY BOT RCVR IF FAILURE several times E3H CONTROL PANEL NO CONTROL DATA F0H MAINTENANCE NO MAINT DATA F2H TCAS TCAS PERIODIC DATA FAIL F4H ALTITUDE-706 AIR DATA FAILURE FCH EXT 429 SRC NO DAPS/ADS-B DATA MTL on bottom antenna unusual low.	
<b>Action</b> Performed incoming test and loop endurance run. Performed RF/IF board alignment. Performed Video/DPSK board alignment. Installed new test date label. Performed return-to-service test, unit passed.	
<p>The work specified above has been performed subject to Lufthansa Technik's Standard conditions for Technical Services which, if not superseded by another agreement or not yet agreed upon before, are acknowledged by the customer with acceptance of the part(s) hereunder.</p>	





Smartlabel-ID: 100000003140503



17424342

Ident-Tag Barcode

# Ident-Tag



# Lufthansa Technik

Form Tracking Number | Work Order / Contract / Invoice  
19955337 0000001

Description | Part. No.  
TRANSPONDER ATC TRA-67A | 066-01127-1402

Eligibility | Quantity | Status / Work | Serial-/Batch No.  
| 1 | REPAIRED | TRA67A-13223

Remarks  
TP R MK-No. 10 Resp. Workshop 33435010 Workshop Station HAM305  
FSCM 22373 ATA 3450

TT	Opr. Hours	Cycle	Opr. Day	Store	Cal. Day
TSO	46301	11587	493	6288	6781
TSC	46301	11587	493	2781	3274
TSF	0	0	0	2781	3274

Packaging Code:L0

Seal Pack:Seal bag

**Installed on** (Information is only required in case of installation only)

PNR NHA	SNR NHA	Position/FIN No. NHA
Station	A/C-Registration	

## Removed

PNR<sup>1</sup> | SNR<sup>1</sup> | Position/FIN No.<sup>1</sup>

Station<sup>1</sup> | A/C-Registration<sup>1</sup> | Unit Barcode No.

**Removed from NHA** (Information is only required in case of part change on next higher assy)

PNR NHA | SNR NHA | Position/FIN No. NHA

### Reason for Removal<sup>1</sup>

22 Unscheduled | Complaint No.<sup>1</sup> or WO-Reference<sup>1</sup> |  11 Scheduled

Failure Description<sup>1</sup> (Please write in capital letters only)

CCI-ID<sup>2</sup>

Stamp or ID Number + Signature<sup>1/2</sup>

Date<sup>1</sup>

Special Investigation Tag exists  Yes

Please send back to:(unless other return location is agreed)

LUFTHANSA TECHNIK AG  
 c/o Lufthansa Technik Logistik Services GmbH  
 Warenannahme / Goods Receiving  
 Weg beim Jaeger 193  
 22335 HAMBURG-FUHLBUETTEL  
 Deutschland

(LTLS-Information: Use this box for ZID)

<sup>1</sup> Mandatory entries without using CCI-Mask

<sup>2</sup> Mandatory entries using CCI-Mask





## PROFORMA INVOICE

21.08.2018

Page 1 of 1

<b>SHIPPER</b> Lufthansa Technik AG FRA UE/MF1 Tor 23, Geb. 401 Rhein-Main Flughafen DE - 60549 Frankfurt/Main	<b>Document No.</b> <b>56018249676</b>
	
<b>Consignee's Name and Address</b> JSC ROSSIYA AIRLINES Open Joint Stock Company Tel: +7 812 704 1764 transfer to L 18/4 Pilotov Street RU - 196210 ST. PETERSBURG	<b>Shipping Information</b> Customs status X Incoterm FCA FRA Priority CLS  Routing FRA-LED RUS

No of Pieces	Gross weight kg	Description of Packing
1	11,10	1 special box (non-wood) / 11,10 KG / 53x41x26CM /

POS	Material-/Partnummer	Description
1	066-01127-1402:22373 1,000 EA Ser.No.: TRA67A-13223	XPDR ATC# TRANSPONDER ATC TRA-67A Condition: serviceable Unit Price: USD 35.356,51 Total Price ( Pos.): USD 35.356,51
	Int: Cost Center: 210999000 ZID:010101010 Our Reference: 35470658-1, Item No. Note: VP-BWG Customs Tariff No.: 851769 Reason for Shipping: 1:1 Austauschgerät / 1:1 repair exchange Country of Origin: USA Export List No: 0	Int. Customer Reference: 116000096750 ATLAS-Reg.: 000000 Your Reference: PX0082518
	Material is not listed as Dual-use good according to Council Regulation (EC) 428/2009 RET-EXP - 304000	
	<p>These items are controlled by the U.S. Government and authorized for reexport only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.</p> <p>FOR USE ON SDM AIRPLANES ONLY / RELATED TO Rossiya Airlines JSC AGREEMENT NUMBER 917/14 dated 01.01.2015</p>	
	<b>Total Invoice Value USD 35.356,51</b>	
	Please contact our Customer Service, Lufthansa Technik Logistik in Frankfurt. If you have any questions or comments about our package: Phone: ++49-69-69647077 Mail: FRA.CustomerService@LTL.DLH.DE Confirmation: The material has been obtained from a Lufthansa Technik approved source. We confirm that the parts were not obtained from any U.S. Government or U.S. Military sources. The parts have not been subjected to extreme stress or heat (as in major engine failure, accident or fire) to the best of our knowledge and while in possession of Lufthansa Technik unless otherwise indicated. This document was issued electronically and is therefore valid without signature. *56018249676* 21.08.2018	





# SERVICEABLE RELEASE CERTIFICATE

Certificate Number **19-042**

Aircraft type: A-319-111      Registration: VQ-BCO      Serial Number: 3942

Component / Part:	Description	Part No.	Serial No.
Component	TRANSPONDER-ATC	066-01127-1402	TRA67A-17772

Remarks: *include any requirements for installation such as: functional testing, adjustment, modification, life limitation, mandatory compliance, inspection, reactivation.*

Was installed on the Airbus 319-111 aircraft reg.No VQ-BCO MSN 3942 on 18.DEC.2012  
Was removed from the aircraft on 08.APR.2019

Last maintenance was carried out Not applicable due to OCCM

Airworthiness directives, repairs and modifications that have been incorporated:

Not applicable due to OCCM

Next maintenance due (for HT component) / Life limit (for LLP) Not applicable due to OCCM part

Time since new / Cycles since new / Not applicable due to OCCM part

Time since last inspection / Cycles since last inspection Not applicable due to OCCM part

Time since last shop visit / Cycles since last shop visit Not applicable due to OCCM part

has been operated and maintained in accordance with the manufacturer's practices and procedures and was not involved in accidents, incidents, heavy landings or lightning strikes, was not subjected to fire, extreme heat or damage during the period of its operation within "Rossiya airlines" JSC.

BITE test of the TRANSPONDER ATC (1SH1) has been performed IAW AMM TASK 34-52-00-740-004 . Rev.27 from 01.FEB.2019. TEST OK.

STATEMENT OF COMPLIANCE # 29.8431 dated 08.04.2019.

*The work recorded has been carried out in accordance with the Air Navigation (Overseas Territories) Order as amended and in respect of that work the aircraft or component is fit for release to service.*

Maintenance manual references: Removed IAW AMM TASK 34-52-33-000-001-A Rev.27 from 01.Feb.2019

Authorised Signature:	BCAA AMO Approval Ref. No. BDA/AMO/302	Authorisation No. 0171
-----------------------	---	---------------------------

Name:	Date:
A. LVOV	08.APR.2019

**Receiving Inspection**  
**09 APR 2019**  
**PERFORMED**

BAC-AW-03  
Issue 2







"ROSSIYA AIRLINES" JOINT STOCK COMPANY

18/4 Pilotov st., St.Petersburg, 196210, Russian Federation  
15A Leninskiy prospekt, Moscow, 119071, Russian Federation  
tel.: +7 (812) 6 333 700, fax:+7 (812) 6 333 810  
head\_office@rossiya-airlines.com

042  
To whom it may concern

08.04.2019 № 29.8431

STATEMENT OF COMPLIANCE

The mentioned below item

Description TRANSPONDER ATC

Part No. 066-01127-1402

Serial No. TRA67A-17772

Was installed on the Airbus 319-111 aircraft reg.No VQ-BCO MSN 3942  
on 18 Dec. 2012

Was removed from the aircraft on 08 Apr. 2019

Last maintenance was carried out on Not applicable due to OCCM

Airworthiness directives, repairs and modifications that have been incorporated:

Not applicable due to OCCM

Next maintenance due (for HT component) / Life limit (for LLP) Not applicable due to OCCM  
part

Time since new / Cycles since new / Not applicable due to OCCM

Time since last inspection / Cycles since last inspection Not applicable due to OCCM

Time since last shop visit / Cycles since last shop visit Not applicable due to OCCM

has been operated and maintained in accordance with the manufacturer's practices and procedures and was not involved in accidents, incidents, heavy landings or lightning strikes, was not subjected to fire, extreme heat or damage during the period of its operation within "Rossiya airlines" JSC.

Igor Tylesov

Maintenance quality manager

"Rossiya airlines" JSC

Tel./Fax.: +7(812) 6-333-950

E-mail: I.Tylesov@rossiya-airlines.com





### SERVICEABLE RELEASE CERTIFICATE

Certificate Number **19-057**

Aircraft type: **A319-111**

Registration: **VP-BQK**

Serial Number: **3179**

Component /  
Part: **XPDR-  
ATC**

Description  
**TRANSPONDER-ATC**

Part No.  
**066-01127-1402**

Serial No.  
**TRA67A-19159**

Remarks: *include any requirements for installation such as: functional testing, adjustment, modification, life limitation, mandatory compliance, inspection, reactivation.*

1. *Removed from 1SH1 position acc. WO# 505'929'258 iss.03JAN2019;*
2. *Inspected acc. AMM rev 28 from 01MAY2019 Subtask 34-52-33-420-050-A: no deviation found;*
3. *Tested acc.AMM rev 28 from 01MAY2019 TASK 34-52-00-740-004-A: test is "OK";*
4. *No previous maintenance since new;*
5. *Next maintenance due/Life limit – N/A due to OCCM part;*
6. *AD, repairs and modifications – No known AD, modifications applicable to this part;*
7. *TSN/CSN – 38686 FH / 16114 FC;*
8. *TSLI/ CSLI – N/A due to OCCM part;  
TSLSV/CSLSV – N/A due to OCCM part;*
9. *Statement of Compliance #29.8525 from 21.05.2019*

*The work recorded has been carried out in accordance with the Air Navigation (Overseas Territories) Order as amended and in respect of that work the aircraft or component is fit for release to service.*

Maintenance manual  
references:

**AMM 34-52-33 rev 28 from 01MAY2019**

Authorised Signature:

BCAA AMO Approval Ref. No.  
**BDA / AMO / 302**

Authorisation No.  
**0066**

Name:

**A. Vasilyev**

Date: **22 MAY 2019**

BAC-AW-03  
Issue 2







"ROSSIYA AIRLINES" JOINT STOCK COMPANY

18/4 Pilotov st., St.Petersburg, 196210, Russian Federation  
15A Leninskiy prospekt, Moscow, 119071, Russian Federation  
tel.: +7 (812) 6 333 700, fax:+7 (812) 6 333 810  
head\_office@rossiya-airlines.com

To whom it may concern

21.05.2019 № 29.8525

STATEMENT OF COMPLIANCE

The mentioned below item

Description TRANSPONDER-ATC

Part No. 066-01127-1402

Serial No. TRA67A-19159

Was installed on the Airbus 319-111 aircraft reg.No VP-BQK MSN 3179  
on during aircraft manufacturing

Was removed from the aircraft on 21 May. 2019

Last maintenance was carried out on No previous maintenance since new

Airworthiness directives, repairs and modifications that have been incorporated:  
No known airworthiness directives, modifications applicable to this part


Next maintenance due (for HT component) / Life limit (for LLP) Not applicable due to OCCM part

Time since new / Cycles since new / 38686:19/16114

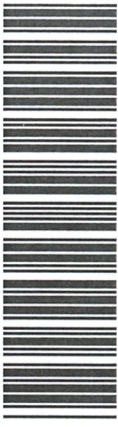
Time since last inspection / Cycles since last inspection Not applicable due to OCCM

Time since last shop visit / Cycles since last shop visit Not applicable due to OCCM

has been operated and maintained in accordance with the manufacturer's practices and procedures and was not involved in accidents, incidents, heavy landings or lightning strikes, was not subjected to fire, extreme heat or damage during the period of its operation within "Rossiya airlines" JSC.

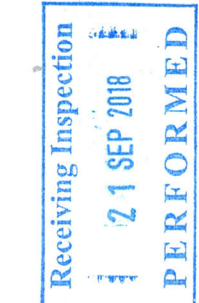
Igor Tylesov   
Maintenance quality manager  
"Rossiya airlines" JSC  
Tel./Fax.: +7(812) 6-333-950  
E-mail: I.Tylesov@rossiya-airlines.com  
Согласовано:





17250471

1. Approving Competent Authority / Country <b>LBA / Germany</b>		2. <b>AUTHORISED RELEASE CERTIFICATE EASA FORM 1</b>		3. Form Tracking Number <b>14658866 00000001</b>	
4. Organisation Name and Address: <b>Lufthansa Technik</b> Lufthansa Technik AG Weg beim Jäger 193 22335 Hamburg Germany					
6. Item	7. Description	8. Part No.	9. Qty.	10. Serial No.	11. Status / Work
01	TRANSPONDER ATC TRA-67A	066-01127-1402	1	TRA67A-19693	REPAIRED
12. Remarks ATA 3450    TPR    MK-No. 10    Pack Code L0    Resp. Workshop 33435010    Workshop Station HAM305 SBC TRA-67A-34-161, Rev. 000 performed SBC SUSPARTS-00-0001, Rev. 02 performed					
13a. Certifies that the items identified above were manufactured in conformity to: <input type="checkbox"/> approved design data and are in a condition for safe operation <input checked="" type="checkbox"/> Part-145.A.50 Release to Service 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		14c. Certificate / Approval Ref. Number	
		067183		<b>DE.145.0001</b>	
13d. Name		13e. Date (dd mmm yyyy)		14e. Date (dd mmm yyyy)	
Nicolai Berger				29 Mar 2018	



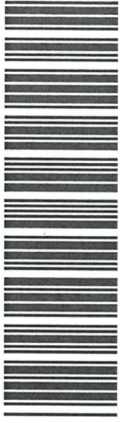
**Return to Service in Accordance with 14 CFR part 43**  
The work identified in block 11 and described herein has been accomplished in accordance with 14 CFR part 43 and in respect to that work the items are approved for return to service under  
FAA Certificate No. DLAY225D

TASK PERFORMED IN ACCORDANCE WITH CMM 34-54-36  
REV 9 / CMDS 34-54-36 ISSUE 048

**EASA FORM 1 - Issue 2  
USER/INSTALLER RESPONSIBILITIES**


Note: 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 from 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.





17250471

# Workshop Report

Customer Order No.	 <b>Lufthansa Technik</b> Lufthansa Technik AG Weg beim Jäger 193 22335 Hamburg Germany		Certificate Ref. No. 14658866 00000001
Part No. as received 066-01127-1402	Serial No. as received TRA67A-19693	Work Order/Contract/Invoice N/A	
Part No. as dispatched 066-01127-1402	Serial No. as dispatched TRA67A-19693	Description TRANSPONDER ATC TRA-67A	
Reason for removal TRANSPONDER ATC FAIL		Responsible Workshop 33435010	
<b>Findings</b> REASON OF REMOVAL CONFIRMED. Rear connector uncovered at workshop enter. Lots of 15H PWR SUPPLY -200VDC TRANSIENT in fault memory. Power supply module, area around R2163 and R2164 carbonized, caused by dust, moisture and high voltage. MTL ob both antennas: -76dBm. TX frequency a bit high. Due to unit's serial number service bulletin TRA-67A-34-161 is highly recommended. Much dust inside unit.			
<b>Action</b> Checked rear connector pins, cleaned them. Disassembled unit, cleaned, inspected and reassembled. Replaced power supply module: off: P/N 200-08094-0010 with S/N ENW073200824 and scrapped ori: P/N 200-08094-0010 with S/N P145101136 SBC TRA-67A-34-161, Rev. 000 performed SBC SUSPARTS-00-0001, Rev. 02 performed: Replaced Q6403. Re-adjusted +50VDC transmitter supply voltage on modulator board. Adjusted TX frequency and both antenna's MTL. Performed return-to-service test, unit passed.			
The work specified above has been performed subject to Lufthansa Technik's Standard conditions for Technical Services which, if not superseded by another agreement or not yet agreed upon before, are acknowledged by the customer with acceptance of the part(s) hereunder.		Name 67183, Nicolai Berger  Date (dd mmm yyyy) 29 Mar 2018	





Smartlabel-ID: 100000002990420



17250471

Ident-Tag Barcode

# Ident-Tag



# Lufthansa Technik

Form Tracking Number | Work Order / Contract / Invoice  
14658866 00000001Description  
TRANSPONDER ATC TRA-67APart. No.  
066-01127-1402Eligibility | Quantity | Status / Work  
1 | REPAIRED / MODIFIEDSerial-/Batch No.  
TRA67A-19693**Remarks**TP R MK-No. 10 Resp. Workshop 33435010 Workshop Station HAM305  
FSCM 27914 ATA 3450

TT	Opr. Hours	Cycle	Opr. Day	Store	Cal. Day	
TSO	37260	11117	3661	140	3801	SBC TRA-67A-34-161, Rev. 000 performed
TSC	37260	11117	3661	30	3691	SBC SUSPARTS-00-0001, Rev. 02 performed
TSF	0	0	0	0	0	

Packaging Code:L0

Seal Pack:Seal bag

<b>Installed on</b> (Information is only required in case of installation only)		
PNR NHA	SNR NHA	Position/FIN No. NHA
Station	A/C-Registration	

## Removed

PNR <sup>1</sup>	SNR <sup>1</sup>	Position/FIN No. <sup>1</sup>
Station <sup>1</sup>	A/C-Registration <sup>1</sup>	Unit Barcode No.

**Removed from NHA** (Information is only required in case of part change on next higher assy)

PNR NHA	SNR NHA	Position/FIN No. NHA
---------	---------	----------------------

**Reason for Removal**<sup>1</sup>

<input type="checkbox"/> 22 Unscheduled	Complaint No. <sup>1</sup> or WO-Reference <sup>1</sup>	<input type="checkbox"/> 11 Scheduled
---	---	---------------------------------------

Failure Description<sup>1</sup> (Please write in capital letters only)CCI-ID<sup>2</sup>Stamp or ID Number + Signature<sup>1/2</sup>Date<sup>1</sup>Special Investigation Tag exists  Yes**Please send back to:**(unless other return location is agreed)

LUFTHANSA TECHNIK AG  
c/o Lufthansa Technik Logistik Services GmbH  
Warenannahme / Goods Receiving  
Weg beim Jaeger 193  
22335 HAMBURG-FUHLISBUETTEL  
Deutschland

(LTLS-Information: Use this box for ZID)

<sup>1</sup> Mandatory entries without using CCI-Mask<sup>2</sup> Mandatory entries using CCI-Mask





## PROFORMA INVOICE

13.09.2018

Page 1 of 2

<b>SHIPPER</b> Lufthansa Technik AG FRA UE/MF1 Tor 23, Geb. 401 Rhein-Main Flughafen DE - 60549 Frankfurt/Main	<b>Document No.</b> <b>56018278402</b>
	
<b>Consignee's Name and Address</b> JSC ROSSIYA AIRLINES Open Joint Stock Company Tel: +7 812 704 1764 transfer to L 18/4 Pilotov Street RU - 196210 ST. PETERSBURG	<b>Shipping Information</b> Customs status X Incoterm FCA FRA Priority CLS  Routing FRA-LED RUS

No of Pieces	Gross weight kg	Description of Packing
2	22,30	1 special box (non-wood) / 11,20 KG / 53x41x26CM / 1 special box (non-wood) / 11,10 KG / 53x41x26CM /

POS	Material-/Partnummer	Description
1	066-01127-1402:27914 1,000 EA Ser.No.: TRA67A-04513  Int: Cost Center: 210999000 ZID:010101010 Our Reference: 35700707-1, Item No. Note: VQ-BAT Customs Tariff No.: 851769 Reason for Shipping: 1:1 Austauschgerät / 1:1 repair exchange Country of Origin: USA Export List No: 0	XPDR ATC# TRANSPONDER ATC TRA-67A Condition: serviceable Unit Price: USD 35.356,51 Total Price ( Pos.): USD 35.356,51 Int. Customer Reference: 116000096750 ATLAS-Reg.: 000000 Your Reference: PX0090818
2	066-01127-1402:27914 1,000 EA Ser.No.: TRA67A-19693  Int: Cost Center: 210999000 ZID:010101010 Our Reference: 35700961-1, Item No. Note: VQ-BAT Customs Tariff No.: 851769 Reason for Shipping: 1:1 Austauschgerät / 1:1 repair exchange Country of Origin: USA Export List No: 0	XPDR ATC# TRANSPONDER ATC TRA-67A Condition: serviceable Unit Price: USD 35.356,51 Total Price ( Pos.): USD 35.356,51 Int. Customer Reference: 116000096750 ATLAS-Reg.: 000000 Your Reference: PX0090918

Material is not listed as Dual-use good according to Council Regulation (EC) 428/2009 RET-EXP - 304000

These items are controlled by the U.S. Government and authorized for reexport only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.



FOR USE ON SDM AIRPLANES ONLY / RELATED TO Rossiya Airlines JSC AGREEMENT NUMBER  
917/14 dated 01.01.2015

**Total Invoice Value USD** 70.713,02

Please contact our Customer Service, Lufthansa Technik Logistik in Frankfurt. If you have any questions or comments about our package: Phone: ++49-69-69647077 Mail: FRA.CustomerService@LTL.DLH.DE

Confirmation: The material has been obtained from a Lufthansa Technik approved source. We confirm that the parts were not obtained from any U.S. Government or U.S. Military sources. The parts have not been subjected to extreme stress or heat (as in major engine failure, accident or fire) to the best of our knowledge and while in possession of Lufthansa Technik unless otherwise indicated. This document was issued electronically and is therefore valid without signature.

\*56018278402\*

13.09.2018





# SERVICEABLE RELEASE CERTIFICATE

Certificate Number

19-123

Aircraft type: A320-214

Registration: VP-BZR

Serial Number: 3640

Component / Part:	Description	Part No.	Serial No.
COMPONENT	TRANSPONDER-ATC	066-01127-1402	TRA67A-20282

Remarks: include any requirements for installation such as: functional testing, adjustment, modification, life limitation, mandatory compliance, inspection, reactivation.

Was installed on the Airbus A320-214 aircraft reg.№ VP-BZR MSN 3640 on 11 Sep. 2008. Was removed from the aircraft on 10 Sep.2019.

Last maintenance was carried out No previous maintenance since new Airworthiness directives, repairs and modifications that have been incorporated:

No known airworthiness directives, repairs and modifications applicable to this part.

Next maintenance due (for HT component) / Life limit (for LLP) Not applicable due to OCCM part.

Time since new / Cycles since new / 38427:56 FH/ 15834 FC

Time since last inspection / Cycles since last inspection Not applicable due to OCCM part

Time since last shop visit / Cycles since last shop visit Not applicable due to OCCM part

has been operated and maintained in accordance with the manufacturer's practices and procedures and was not involved in accidents, incidents, heavy landings or lightning strikes, was not subjected to fire, extreme heat or damage during the period of its operation within "Rossiya airlines" JSC.

BITE test of the TRANSPONDER ATC has been performed IAW AMM TASK 34-52-00-740-004-A . Rev.29 from 01.AUG.2019. TEST OK.

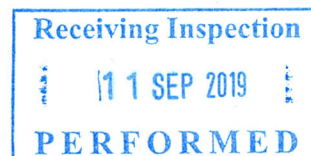
Statement of compliance # 29.8819 dated 10.09.2019.

*The work recorded has been carried out in accordance with the Air Navigation (Overseas Territories) Order as amended and in respect of that work the aircraft or component is fit for release to service.*

Maintenance manual references: Removed IAW AMM TASK 34-52-33-000-001-A Rev.29 from 01.AUG.2019

Authorised Signature:	BCAA AMO Approval Ref. No. BDA/AMO/302	Authorisation No. 0349
Name: A. Verkhushin	Date: 10 SEP 2019	

BAC-AW-03  
Issue 2





To whom it may concern

18/4 Pilotov st., St.Petersburg, 196210, Russian Federation  
15A Leninskiy prospekt, Moscow, 119071, Russian Federation  
tel.: +7 (812) 6 333 700, fax:+7 (812) 6 333 810  
head\_office@rossiya-airlines.com

10.09.2019 № 29.8819

STATEMENT OF COMPLIANCE

The mentioned below item

Description TRANSPONDER-ATC

Part No. 066-01127-1402

Serial No. TRA67A-20282

Was installed on the Airbus A320-214 aircraft reg.No VP-BZR MSN 3640  
on 11.Sep.2008

Was removed from the aircraft on 10.Sep.2019

Last maintenance was carried out No previous maintenance since new

Airworthiness directives, repairs and modifications that have been incorporated:

No known airworthiness directives, repairs and modifications applicable to this part

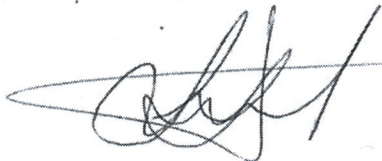
Next maintenance due (for HT component) / Life limit (for LLP) Not applicable due to OCCM part

Time since new / Cycles since new / 38427:56 FH / 15834 FC

Time since last inspection / Cycles since last inspection Not applicable due to OCCM part

Time since last shop visit / Cycles since last shop visit Not applicable due to OCCM part

has been operated and maintained in accordance with the manufacturer's practices and procedures and was not involved in accidents, incidents, heavy landings or lightning strikes, was not subjected to fire, extreme heat or damage during the period of its operation within "Rossiya airlines" JSC.



Igor Tylesov

Maintenance quality manager

"Rossiya airlines" JSC

Tel./Fax.: +7(812) 6-333-950

E-mail: I.Tylesov@rossiya-airlines.com





# SERVICEABLE RELEASE CERTIFICATE

Certificate Number		19-122	
Aircraft type: A320-214		Registration: VP-BZR	Serial Number: 3640
Component / Part: COMPONENT	Description TRANSPONDER-ATC	Part No. 066-01127-1402	Serial No. TRA67A-20284
<p>Remarks: <i>include any requirements for installation such as: functional testing, adjustment, modification, life limitation, mandatory compliance, inspection, reactivation.</i></p> <p>Was installed on the Airbus A320-214 aircraft reg.№ VP-BZR MSN 3640 on 11 Sep. 2008. Was removed from the aircraft on 10 Sep.2019. Last maintenance was carried out <u>No previous maintenance since new</u> Airworthiness directives, repairs and modifications that have been incorporated: <u>No known airworthiness directives, repairs and modifications applicable to this part.</u> Next maintenance due (for HT component) / Life limit (for LLP) <u>Not applicable due to OCCM part.</u> Time since new / Cycles since new / 38427:56 FH/ 15834 FC Time since last inspection / Cycles since last inspection <u>Not applicable due to OCCM part</u> Time since last shop visit / Cycles since last shop visit <u>Not applicable due to OCCM part</u> has been operated and maintained in accordance with the manufacturer's practices and procedures and was not involved in accidents, incidents, heavy landings or lightning strikes, was not subjected to fire, extreme heat or damage during the period of its operation within "Rossiya airlines" JSC.</p> <p>BITE test of the TRANSPONDER ATC has been performed IAW AMM TASK 34-52-00-740-004-A . Rev.29 from 01.AUG.2019. TEST OK.</p> <p>Statement of compliance # 29.8818 dated 10.09.2019. <i>The work recorded has been carried out in accordance with the Air Navigation (Overseas Territories) Order as amended and in respect of that work the aircraft or component is fit for release to service.</i></p>			
Maintenance manual references:	Removed IAW AMM TASK 34-52-33-000-001-A Rev.29 from 01.AUG.2019		
Authorised Signature: 	BCAA AMO Approval Ref. No. BDA/AMO/302	Authorisation No. 0349	
Name: A. Verkhushin		Date: 10 SEP 2019	

BAC-AW-03  
Issue 2





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head\_office@rossiya-airlines.com

To whom it may concern

29.8.18 from 10.09.2019

## STATEMENT OF COMPLIANCE

The mentioned below item

Description TRANSPONDER-ATC

Part No. 066-01127-1402

Serial No. TRA67A-20284

Was installed on the Airbus A320-214 aircraft reg.No VP-BZR MSN 3640  
on 11.Sep.2008

Was removed from the aircraft on 10.Sep.2019

Last maintenance was carried out No previous maintenance since new

Airworthiness directives, repairs and modifications that have been incorporated:

No known airworthiness directives, repairs and modifications applicable to this part

Next maintenance due (for HT component) / Life limit (for LLP) Not applicable due to OCCM part

Time since new / Cycles since new / 38427:56 FH / 15834 FC

Time since last inspection / Cycles since last inspection Not applicable due to OCCM part

Time since last shop visit / Cycles since last shop visit Not applicable due to OCCM part

has been operated and maintained in accordance with the manufacturer's practices and procedures and was not involved in accidents, incidents, heavy landings or lightning strikes, was not subjected to fire, extreme heat or damage during the period of its operation within "Rossiya airlines" JSC.



Igor Tylesov

Maintenance quality manager

"Rossiya airlines" JSC

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E-mail: I.Tylesov@rossiya-airlines.com





# SERVICEABLE RELEASE CERTIFICATE

Certificate Number		19-183	
Aircraft type: 320-214		Registration: VP-BZQ	Serial Number: 3627
Component / Part:	Description	Part No.	Serial No.
	<u>TRANSPONDER-ATC</u>	<u>066-01127-1402</u>	<u>TRA67A-20404</u>
<p>Remarks: <i>include any requirements for installation such as: functional testing, adjustment, modification, life limitation, mandatory compliance, inspection, reactivation.</i></p> <p>Was installed on the <u>Airbus 320-214</u> aircraft reg.No <u>VP-BZQ</u> MSN <u>3627</u> on <u>07 Oct 2008</u></p> <p>Was removed from the aircraft on <u>05 Dec 2019</u></p> <p>Last maintenance was carried out on <u>No previous maintenance since new</u></p> <p>Airworthiness directives, repairs and modifications that have been incorporated: <u>No known airworthiness directives, repairs and modifications applicable to this part</u></p> <p>Next maintenance due (for HT component) / Life limit (for LLP): <u>Not applicable due to OCCM part</u></p> <p>Time since new / Cycles since new <u>38996/15934</u></p> <p>Time since last inspection / Cycles since last inspection <u>Not applicable due to OCCM part</u></p> <p>Time since last shop visit / Cycles since last shop visit <u>Not applicable due to OCCM part</u></p> <p>has been operated and maintained in accordance with the manufacturer's practices and procedures and was not involved in accidents, incidents, heavy landings or lightning strikes, was not subjected to fire, extreme heat or damage during the period of its operation within "Rossiya airlines" JSC.</p> <p>BITE test of the TRANSPONDER ATC (1SH1) has been performed ACC AMM TASK 34-52-00-740-004 . Rev.30 from 01.NOV.2019. TEST OK.</p> <p>STATEMENT OF COMPLIANCE 29.9022 DATED 05.12.2019.</p> <p><i>The work recorded has been carried out in accordance with the Air Navigation (Overseas Territories) Order as amended and in respect of that work the aircraft or component is fit for release to service.</i></p>			
Maintenance manual references:	Removed ACC AMM TASK 34-52-33-000-001-A Rev.30 from 01.NOV.2019.		
Authorised Signature:	BCAA AMO Approval Ref. No.	Authorisation No.	
	BDA/AMO/302	0308	
Name:	Date:		
N.Pavlov	05 DEC 2019		



BAC-AW-03  
Issue 2







"ROSSIYA AIRLINES" JOINT STOCK COMPANY

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head\_office@rossiya-airlines.com

To whom it may concern

05.12.2019 № 29.9022

STATEMENT OF COMPLIANCE

The mentioned below item

Description TRANSPONDER-ATC

Part No. 066-01127-1402

Serial No. TRA67A-20404

Was installed on the Airbus 320-214 aircraft reg.No VP-BZQ MSN 3627  
on 07 Oct 2008

Was removed from the aircraft on 05 Dec 2019

Last maintenance was carried out on No previous maintenance since new  
Airworthiness directives, repairs and modifications that have been incorporated:

No known airworthiness directives, repairs and modifications applicable to this part

Next maintenance due (for HT component) / Life limit (for LLP):

Not applicable due to OCCM part

Time since new / Cycles since new 38996/15934

Time since last inspection / Cycles since last inspection Not applicable due to OCCM part

Time since last shop visit / Cycles since last shop visit Not applicable due to OCCM part

has been operated and maintained in accordance with the manufacturer's practices and procedures and was not involved in accidents, incidents, heavy landings or lightning strikes, was not subjected to fire, extreme heat or damage during the period of its operation within "Rossiya airlines" JSC.

Igor Tylesov

Maintenance quality manager

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Tel./Fax.: +7(812) 6-333-950

E-mail: I.Tylesov@rossiya-airlines.com



AIRBUS INDUSTRIE

EQUIPMENT

ATA : 34

MSN : 3627

DATE : 07 OCT 2008

ZONE/FUNCTIONAL

DESCRIPTION

CODE VENDOR

PART NUMBER

CMS

SERIAL NUMBER

ITEM NUMBER

REMARKS

125 9DA1

PITOT TUBE

F9111 THALES AVIONICS SA

6900600300

C16195015215

126 9DA2

C16195015178

125 9DA3

C16195015158

110 11SQ

WEATHER RADAR ANTENNA

97896 HONEYWELL INTL INC DB

6907100600

REA4B-11676

121 9SQ

WEATHER RADAR RT DUAL

97896 HONEYWELL INTL INC DB

6907100800

MBA4B-04398

110 7SQ

WEATHER RADAR DUAL ANT

97896 HONEYWELL INTL INC DB

6907101100

DAAA4A-30700

230 7SG1

TCAS DIRECTIONAL ANTEN

97896 HONEYWELL INTL INC DB

69071020SU

596-11842

130 7SG2

596-11837

127 2RP1

ADF RECEIVER

97896 HONEYWELL INTL INC DB

6907104600

DFA75B-05763

128 2RP2

DFA75B-05744

127 2SD1

DME INTERROGATOR

97896 HONEYWELL INTL INC DB

6907105100

DMA37B-08639

128 2SD2

DMA37B-08637

152 2SA1

RADIO ALTIMETER TRANSC

97896 HONEYWELL INTL INC DB

6907105300

ALA52B-06843

152 2SA2

ALA52B-07116

127 1SH1

ATC TRANSPONDER

97896 HONEYWELL INTL INC DB

6907106000

TRA67A-20404

128 1SH2

TRA67A-20405

127 3RS1

VOR/MARKER RECEIVER

97896 HONEYWELL INTL INC DB

6907106200

RVA36B-08500

128 3RS2

RVA36B-08560

210 3SQ

WEATHER RADAR DUAL CTL

97896 HONEYWELL INTL INC DB

6907106300

CON4B-06139

121 1SQ1

WEATHER RADAR TRANSCEI

97896 HONEYWELL INTL INC DB

6907106400

RTA4B-17770

128 1SG

TCAS II COMPUTER

97896 HONEYWELL INTL INC DB

69071066SU

TPA02166

150 5SA1

RADIO ALTIMETER ANTENN

97896 HONEYWELL INTL INC DB

6907110900

8914

150 5SA2

8921

150 6SA1

8955

150 6SA2

8894

210 43RT1

ACTIVE GPS ANTENNA

4V792 ROCKWELL COLLINS INC

6911006900

2WJLV





# SERVICEABLE RELEASE CERTIFICATE

Certificate Number **19-184**

Aircraft type: 320-214      Registration: VP-BZQ      Serial Number: 3627

Component / Part:	Description	Part No.	Serial No.
	<u>TRANSPONDER-ATC</u>	<u>066-01127-1402</u>	<u>TRA67A-20405</u>

Remarks: *include any requirements for installation such as: functional testing, adjustment, modification, life limitation, mandatory compliance, inspection, reactivation.*



Was installed on the Airbus 320-214 aircraft reg.No VP-BZQ MSN 3627 on 07 Oct 2008

Was removed from the aircraft on 05 Dec 2019

Last maintenance was carried out on No previous maintenance since new

Airworthiness directives, repairs and modifications that have been incorporated:

No known airworthiness directives, repairs and modifications applicable to this part

Next maintenance due (for HT component) / Life limit (for LLP):

Not applicable due to OCCM part

Time since new / Cycles since new 38996/15934

Time since last inspection / Cycles since last inspection Not applicable due to OCCM part

Time since last shop visit / Cycles since last shop visit Not applicable due to OCCM part

has been operated and maintained in accordance with the manufacturer's practices and procedures and was not involved in accidents, incidents, heavy landings or lightning strikes, was not subjected to fire, extreme heat or damage during the period of its operation within "Rossiya airlines" JSC.

BITE test of the TRANSPONDER ATC (1SH2) has been performed ACC AMM TASK 34-52-00-740-004 . Rev.30 from 01.NOV.2019. TEST OK.

STATEMENT OF COMPLIANCE 29.9021 DATED 05.12.2019.

*The work recorded has been carried out in accordance with the Air Navigation (Overseas Territories) Order as amended and in respect of that work the aircraft or component is fit for release to service.*

Maintenance manual references: Removed ACC AMM TASK 34-52-33-000-001-A Rev.30 from 01.NOV.2019.

Authorised Signature:	BCAA AMO Approval Ref. No. BDA/AMO/302	Authorisation No. 0308
-----------------------	---	---------------------------

Name: N:Pavlov	Date: 05 DEC 2019
-------------------	----------------------

BAC-AW-03  
Issue 2





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tel.: +7 (812) 6 333 700, fax:+7 (812) 6 333 810  
head\_office@rossiya-airlines.com

05.12.2019

No

29.9021

## STATEMENT OF COMPLIANCE

The mentioned below item

Description TRANSPONDER-ATC

Part No. 066-01127-1402

Serial No. TRA67A-20405

Was installed on the Airbus 320-214 aircraft reg.No VP-BZQ MSN 3627  
on 07 Oct 2008

Was removed from the aircraft on 05 Dec 2019

Last maintenance was carried out on No previous maintenance since new  
Airworthiness directives, repairs and modifications that have been incorporated:

No known airworthiness directives, repairs and modifications applicable to this part

Next maintenance due (for HT component)-/ Life limit (for LLP):

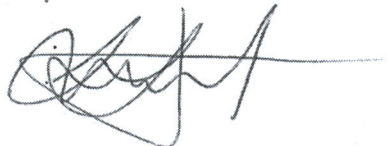
Not applicable due to OCCM part

Time since new / Cycles since new 38996/15934

Time since last inspection / Cycles since last inspection Not applicable due to OCCM part

Time since last shop visit / Cycles since last shop visit Not applicable due to OCCM part

has been operated and maintained in accordance with the manufacturer's practices and procedures and was not involved in accidents, incidents, heavy landings or lightning strikes, was not subjected to fire, extreme heat or damage during the period of its operation within "Rossiya airlines" JSC.



Igor Tylesov

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AIRBUS INDUSTRIE EQUIPMENT ATA : 34 MSN : 3627 DATE : 07 OCT 2008

ZONE	FUNCTIONAL ITEM NUMBER	DESCRIPTION	CODE	VENDOR	PART NUMBER	CMS	SERIAL NUMBER	FIREMARKS
125	9DA1	PITOT TUBE	F9111	THALES AVIONICS SA	C16195BA	6900600300	C16195015215	
126	9DA2						C16195015178	
125	9DA3						C16195015158	
110	11SQ	WEATHER RADAR ANTENNA	97896	HONEYWELL INTL INC DB	2041446-0401	6907100600	REA4B-11676	
121	9SQ	WEATHER RADAR RT DUAL	97896	HONEYWELL INTL INC DB	2041214-0401	6907100800	MBA4B-04398	
110	7SQ	WEATHER RADAR DUAL ANTI	97896	HONEYWELL INTL INC DB	2041444-0404	6907101100	DAA4A-30700	
230	7SG1	TCAS DIRECTIONAL ANTENNA	97896	HONEYWELL INTL INC DB	071-50001-8104	69071020SU	B596-11842	
130	7SG2						B596-11837	
127	2RP1	ADF RECEIVER	97896	HONEYWELL INTL INC DB	066-50014-0202	6907104600	DFA75B-05763	
128	2RP2						DFA75B-05744	
127	2SD1	DME INTERROGATOR	97896	HONEYWELL INTL INC DB	066-50013-0202	6907105100	DMA37B-08639	
128	2SD2						DMA37B-08637	
152	2SA1	RADIO ALTIMETER TRANSC	97896	HONEYWELL INTL INC DB	066-50007-0212	6907105300	ALA52B-06843	
152	2SA2				SY TEST DAT:28AUG2008		ALA52B-07116	
127	1SH1	ATC TRANSPONDER	97896	HONEYWELL INTL INC DB	066-01127-1402	6907106000	TRA67A-20404	
128	1SH2				SY TEST DAT:27AUG2008		TRA67A-20405	
127	3RS1	VOR/MARKER RECEIVER	97896	HONEYWELL INTL INC DB	066-50012-0212	6907106200	RVA36B-08500	
128	3RS2						RVA36B-08560	
210	3SQ	WEATHER RADAR DUAL CTL	97896	HONEYWELL INTL INC DB	2041220-3231	6907106300	CON4B-06139	
121	1SQ1	WEATHER RADAR TRANSCEI	97896	HONEYWELL INTL INC DB	066-50008-0409	6907106400	RTA4B-17770	
128	1SG	TCAS II COMPUTER	97896	HONEYWELL INTL INC DB	940-0300-001	69071066SU	BTPA02166	
150	5SA1	RADIO ALTIMETER ANTENNA	97896	HONEYWELL INTL INC DB	071-50026-0300	6907110900	8914	
150	5SA2						8921	
150	6SA1						8955	
150	6SA2						8894	
210	43RT1	ACTIVE GPS ANTENNA	4V792	ROCKWELL COLLINS INC	822-1330-001	6911006900	2WJLV	





### SERVICEABLE RELEASE CERTIFICATE

Certificate Number

19-128

Aircraft type: 319-111

Registration: VQ-BBA

Serial Number: 3794

Component / Part:

Description

Part No.

Serial No.

TRANSPONDER ATC

066-01127-1402

TRA67A-20705

Remarks: *include any requirements for installation such as: functional testing, adjustment, modification, life limitation, mandatory compliance, inspection, reactivation.*

Was installed on the Airbus A319-111 aircraft reg.No VQ-BBA MSN 3794  
on 04 Feb 2009

Was removed from the aircraft on 21 Sep. 2019

Last maintenance was carried out on Not applicable due to OCCM part

Airworthiness directives, repairs and modifications that have been incorporated: No known airworthiness directives, repairs and modifications applicable to this part.

Next maintenance due (for HT component) / Life limit (for LLP) Not applicable due to OCCM part

Time since new / Cycles since new / 40561 FH / 16957 FC

Time since last inspection / Cycles since last inspection 40561 FH / 16957 FC

Time since last shop visit / Cycles since last shop visit 40561 FH / 16957 FC

has been operated and maintained in accordance with the manufacturer's practices and procedures and was not involved in accidents, incidents, heavy landings or lightning strikes, was not subjected to fire, extreme heat or damage during the period of its operation within "Rossiya airlines" JSC.

BITE test of the TRANSPONDER ATC (1SH2) has been performed IAW AMM TASK 34-52-00-740-004 . Rev.29 from 01.AUG.2019. TEST OK.

STATEMENT OF COMPLIANCE 29.8842 DATED 21.09.2019.

*The work recorded has been carried out in accordance with the Air Navigation (Overseas Territories) Order as amended and in respect of that work the aircraft or component is fit for release to service.*

Maintenance manual references:

Removed IAW AMM TASK 34-52-33-000-001-A Rev.29 from 01.AUG.2019

Authorised Signature:

BCAA AMO Approval Ref. No.  
BDA/AMO/302

Authorisation No.  
0065

Name:

K.TIMOFEEV

Date:

22.SEP.2019

BAC-AW-03  
Issue 2







"ROSSIYA AIRLINES" JOINT STOCK COMPANY

To whom it may concern

18/4 Pilotov st., St.Petersburg, 196210, Russian Federation  
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head\_office@rossiya-airlines.com

21.09.2019 № 29.8842

STATEMENT OF COMPLIANCE

The mentioned below item

Description Transponder-ATC

Part No. 066-01127-1402

Serial No. TRA67A-20705

Was installed on the Airbus A319-111 aircraft reg.No VQ-BBA MSN 3794  
on 04 Feb 2009

Was removed from the aircraft on 21 Sep. 2019

Last maintenance was carried out on Not applicable due to OCCM part

Airworthiness directives, repairs and modifications that have been incorporated: No known  
airworthiness directives, repairs and modifications applicable to this part.

Next maintenance due (for HT component) / Life limit (for LLP) Not applicable due to OCCM  
part

Time since new / Cycles since new / 40561 FH / 16957 FC

Time since last inspection / Cycles since last inspection 40561 FH / 16957 FC

Time since last shop visit / Cycles since last shop visit 40561 FH / 16957 FC

has been operated and maintained in accordance with the manufacturer's practices and  
procedures and was not involved in accidents, incidents, heavy landings or lightning strikes,  
was not subjected to fire, extreme heat or damage during the period of its operation within  
"Rossiya airlines" JSC.

Igor Tylesov  
Maintenance quality manager  
"Rossiya airlines" JSC  
Tel./Fax.: +7(812) 6-333-950  
E-mail: [I.Tylesov@rossiya-airlines.com](mailto:I.Tylesov@rossiya-airlines.com)



SEARCH CRITERIA

MSN : 03794

Aircraft status : All

EQUIPMENT

Type	A319	Model	319 -111	MSN	03794			
Owner	BOC AVIATION LIMITED			Operator	AFL			
AIR status	3 OFFICIAL	AIR date	12 Feb 2009	Revision date				
ATA	Zone	FIN	Description	Vendor	Code	BFE	Part Number	Serial number
34	128	1SH2	TRANSPONDER-ATC	HONEYWELL INTERNATIONAL INC	97896		066-01127-1402	TRAG7A-20705
	128	1SH2	ATC					

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# SERVICEABLE RELEASE CERTIFICATE

Certificate Number

19-041

Aircraft type: A-319-111

Registration: VQ-BCO

Serial Number: 3942

Component / Part: Component	Description	Part No.	Serial No.
	TRANSPONDER-ATC	066-01127-1402	TRA67A-20995

Remarks: *include any requirements for installation such as: functional testing, adjustment, modification, life limitation, mandatory compliance, inspection, reactivation.*

Was installed on the Airbus 319-111 aircraft reg.No VQ-BCO MSN 3942 on 18.JUN.2009

Was removed from the aircraft on 08.APR.2019

Last maintenance was carried out Not applicable due to OCCM

Airworthiness directives, repairs and modifications that have been incorporated:

Not applicable due to OCCM

Next maintenance due (for HT component) / Life limit (for LLP) Not applicable due to OCCM part

Time since new / Cycles since new / Not applicable due to OCCM part

Time since last inspection / Cycles since last inspection Not applicable due to OCCM part

Time since last shop visit / Cycles since last shop visit Not applicable due to OCCM part

has been operated and maintained in accordance with the manufacturer's practices and procedures and was not involved in accidents, incidents, heavy landings or lightning strikes, was not subjected to fire, extreme heat or damage during the period of its operation within "Rossiya airlines" JSC.


BITE test of the TRANSPONDER ATC (1SH2) has been performed IAW AMM TASK 34-52-00-740-004 . Rev.27 from 01.FEB.2019. TEST OK.

STATEMENT OF COMPLIANCE # 29.8432 dated 08.04.2019.

*The work recorded has been carried out in accordance with the Air Navigation (Overseas Territories) Order as amended and in respect of that work the aircraft or component is fit for release to service.*

Maintenance manual references:

Removed IAW AMM TASK 34-52-33-000-001-A Rev.27 from 01.Feb.2019

Authorised Signature: 	BCAA AMO Approval Ref. No. BDA/AMO/302	Authorisation No. 0171
Name: A. LVOV	Date: 08.APR.2019	

BAC-AW-03  
Issue 2







ROSSIYA AIRLINES' JOINT STOCK COMPANY

18/4 Pilotov st., St.Petersburg, 196210, Russian Federation  
15A Leninskiy prospekt, Moscow, 119071, Russian Federation  
tel.: +7 (812) 6 333 700, fax:+7 (812) 6 333 810  
head\_office@rossiya-airlines.com

041  
To whom it may concern

08.04.2019 № 29.8432

STATEMENT OF COMPLIANCE

The mentioned below item

Description TRANSPONDER ATC

Part No. 066-01127-1402

Serial No. TRA67A-20995

Was installed on the Airbus 319-111 aircraft reg.No VQ-BCO MSN 3942  
on 18 Jun. 2009

Was removed from the aircraft on 08 Apr. 2019

Last maintenance was carried out on Not applicable due to OCCM

Airworthiness directives, repairs and modifications that have been incorporated:

Not applicable due to OCCM

Next maintenance due (for HT component) / Life limit (for LLP) Not applicable due to OCCM  
part

Time since new / Cycles since new / Not applicable due to OCCM

Time since last inspection / Cycles since last inspection Not applicable due to OCCM

Time since last shop visit / Cycles since last shop visit Not applicable due to OCCM

has been operated and maintained in accordance with the manufacturer's practices and procedures and was not involved in accidents, incidents, heavy landings or lightning strikes, was not subjected to fire, extreme heat or damage during the period of its operation within "Rossiya airlines" JSC.

Igor Tylesov

Maintenance quality manager

"Rossiya airlines" JSC

Tel./Fax.: +7(812) 6-333-950

E-mail: I.Tylesov@rossiya-airlines.com





# SERVICEABLE RELEASE CERTIFICATE

Certificate Number **19-137**

Aircraft type: **A319-111**      Registration: **VQ-BCP**      Serial Number: **3998**

Component / Part:	Description	Part No.	Serial No.
<b>ATC</b>	<b>TRANSPONDER-ATC</b>	<b>066-01127-1402</b>	<b>TRA67A-21095</b>

Remarks: include any requirements for installation such as: functional testing, adjustment, modification, life limitation, mandatory compliance, inspection, reactivation.

1. Removed on 21OCT2019 from 1SH1 position acc. WO# 505'929'256 iss.03JAN2019;
2. Inspected acc. AMM rev 29 from 01AUG2019 Subtask 34-52-33-420-050-A: no deviation found;
3. Tested acc. AMM rev 29 from 01AUG2019 TASK 34-52-00-740-004-A: test is "OK";
4. Last maintenance was carried out on - No previous maintenance since new;
5. Next maintenance due/Life limit – n/a due to OCCM part;
6. AD, repairs and modifications – No known airworthiness directives, repairs and modifications applicable to this part
7. TSN/CSN – 38216FH / 16468FC;  
TSLI/ CSLI – Not applicable due to OCCM part;  
TSLSV/CSLSV – Not applicable due to OCCM part;
8. Statement of Compliance #29.8920 from 21.10.2019;

The work recorded has been carried out in accordance with the Air Navigation (Overseas Territories) Order as amended and in respect of that work the aircraft or component is fit for release to service.

Maintenance manual references: AMM 34-52-33 rev 29 from 01AUG2019

Authorised Signature: 	BCAA AMO Approval Ref. No. <b>BDA / AMO / 302</b>	Authorisation No. 0066
---------------------------	--	---------------------------

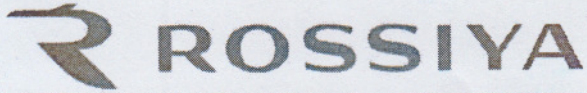
Name: A. Vasilyev	Date: <b>21 OCT 2019</b>
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BAC-AW-03  
Issue 2

Receiving Inspection  
24 OCT 2019  
PERFORMED







"ROSSIYA AIRLINES" JOINT STOCK COMPANY

To whom it may concern

18/4 Pilotov st., St.Petersburg, 196210, Russian Federation  
15A Leninskiy prospekt, Moscow, 119071, Russian Federation  
tel.: +7 (812) 6 333 700, fax:+7 (812) 6 333 810  
head\_office@rossiya-airlines.com

21.10.2019 No 29.8920

STATEMENT OF COMPLIANCE

The mentioned below item

Description TRANSPONDER-ATC

Part No. 066-01127-1402

Serial No. TRA67A-21095

Was installed on the Airbus 319-111 aircraft reg.No VQ-BCP MSN 3998  
on 05 Aug 2009

Was removed from the aircraft on 21 Oct 2019

Last maintenance was carried out on No previous maintenance since new

Airworthiness directives, repairs and modifications that have been incorporated:

No known airworthiness directives, repairs and modifications applicable to this part

Next maintenance due (for HT component) / Life limit (for LLP):

Not applicable due to OCCM part

Time since new / Cycles since new 38216 / 16468

Time since last inspection Not applicable due to OCCM part

Time since last shop visit / Cycles since last shop visit Not applicable due to OCCM part

has been operated and maintained in accordance with the manufacturer's practices and procedures and was not involved in accidents, incidents, heavy landings or lightning strikes, was not subjected to fire, extreme heat or damage during the period of its operation within "Rossiya airlines" JSC.

Igor Tylesov

Maintenance quality manager

"Rossiya airlines" JSC

Tel./Fax.: +7(812) 6-333-950

E-mail: I.Tylesov@rossiya-airlines.com





### SERVICEABLE RELEASE CERTIFICATE

Certificate Number **19-138**

Aircraft type: **A319-111**      Registration: **VQ-BCP**      Serial Number: **3998**

Component / Part: <b>ATC</b>	Description: <b>TRANSPONDER-ATC</b>	Part No.: <b>066-01127-1402</b>	Serial No.: <b>TRA67A-22557</b>
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Remarks: include any requirements for installation such as: functional testing, adjustment, modification, life limitation, mandatory compliance, inspection, reactivation.

1. Removed on 21OCT2019 from 1SH2 position acc. WO# 505'929'256 iss.03JAN2019;
2. Inspected acc. AMM rev 29 from 01AUG2019 Subtask 34-52-33-420-050-A: no deviation found;
3. Tested acc. AMM rev 29 from 01AUG2019 TASK 34-52-00-740-004-A: test is "OK";
4. Last maintenance was carried out on -25 Mar 2017 by Lufthansa Technik;
5. Next maintenance due/Life limit – n/a due to OCCM part;
6. AD, repairs and modifications – Repaired IAW CMM 34-54-36 Rev 9 / CMDS 34-54-36 issue 047;
7. TSN/CSN – 29804FH / 12481FC;  
TSLI/ CSLI – 8058FH / 3700FC;  
TSLSV/CSLSV – 8058FH / 3700FC;
8. Statement of Compliance #29.8919 from 21.10.2019

The work recorded has been carried out in accordance with the Air Navigation (Overseas Territories) Order as amended and in respect of that work the aircraft or component is fit for release to service.

Maintenance manual references: AMM 34-52-33 rev 29 from 01AUG2019

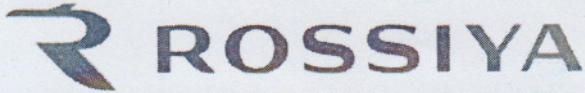
Authorised Signature: 	BCAA AMO Approval Ref. No. <b>BDA / AMO / 302</b>	Authorisation No. 0066
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Name: A. Vasilyev	Date: <b>21 OCT 2019</b>
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BAC-AW-03  
Issue 2







"ROSSIYA AIRLINES" JOINT STOCK COMPANY

To whom it may concern

18/4 Pilotov st., St.Petersburg, 196210, Russian Federation  
15A Leninskiy prospekt, Moscow, 119071, Russian Federation  
tel.: +7 (812) 6 333 700, fax:+7 (812) 6 333 810  
head\_office@rossiya-airlines.com

21.10.2019 № 29.8919

STATEMENT OF COMPLIANCE

The mentioned below item

Description TRANSPONDER-ATC

Part No. 066-01127-1402

Serial No. TRA67A-22557

Was installed on the Airbus 319-111 aircraft reg.No VQ-BCP MSN 3998  
on 07 Jul 2017

Was removed from the aircraft on 21 Oct 2019

Last maintenance was carried out on 25 Mar 2017 by Lufthansa Technik  
Airworthiness directives, repairs and modifications that have been incorporated:

Repaired IAW CMM 34-54-36 Rev 9 / CMDS 34-54-36 issue 047.

Next maintenance due (for HT component) / Life limit (for LLP):

Not applicable due to OCCM part

Time since new / Cycles since new 29804 / 12481

Time since last inspection 8058 / 3700

Time since last shop visit / Cycles since last shop visit 8058 / 3700

has been operated and maintained in accordance with the manufacturer's practices and procedures and was not involved in accidents, incidents, heavy landings or lightning strikes, was not subjected to fire, extreme heat or damage during the period of its operation within "Rossiya airlines" JSC.

Igor Tylesov

Maintenance quality manager

"Rossiya airlines" JSC

Tel./Fax.: +7(812) 6-333-950

E-mail: I.Tylesov@rossiya-airlines.com



1. Approving Competent Authority / Country  
 CIVIL AVIATION AUTHORITY  
 United Kingdom

2. AUTHORISED RELEASE CERTIFICATE  
**EASA FORM 1**

3. Form Tracking Number  
 BA32802474

4. Organisation Name and Address  
**BRITISH AIRWAYS**  
 British Airways Avionics Engineering,  
 Ely Meadow, Talbot Green,  
 Pontyclun, Cardiff CF72 8XL

5. Work Order/Contract/Invoice  
 4511835  
 251603983

6. Item	7. Description	8. Part number	9. Qty	10. Serial No.	11. Status/Work
1.	TRANSPNDR ATC	066-01127-1402	1	TRA67A-25029	Repaired

12. REMARKS : Batch No 0005804797  
 MOD STATUS IN/OUT 1-6,8-12,14-16,19-28. S/W 02/02.  
 SB SUSPARTS-00-0001 CARRIED OUT NO ACTION REQUIRED. VIDEO/DPSK CARD RE-  
 ALIGNED. UNIT TESTED IAW ATRA34-54-36 REV 9 ATP 09961 REV 8A.  
 TEST COMPLIES WITH FAR 43 APPENDIX F  
 Unit released under TCCA Approval No. 808-04.

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. BT7Y404J

Receiving Inspection  
**30 NOV 2017**  
**PERFORMED**



U724059 26.09.2017 Original  
 Manufacturer : HONEYWELL-HONEYWELL INTERNATIONAL I&space(5)

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

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

14b. Authorised Signature  
 Paul Murphy BAAE 439 CRS

14c. Certificate/Approval Ref. no.  
 UK.145.00142

13c. Approval/Authorisation Number  
**397 456734**

14d. Name U724059  
 Paul Murphy BAAE 439 CRS

14e. Date (dd/mm/yy) 26.Sep.2017

FR A M38617 08.11.17 12:55 T  
 Certificate Sticker  
**397 456734**  
**394 069059**

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.



Ely Meadow, Talbot Green,  
Pontyclun, Cardiff  
CF72 8XL  
GB

## Component Strip Report

Customer: LUFTHANSA TECHNIK AG  
P O Box 630300  
HAMBURG  
22335

Part Number: 066-01127-1402:27914      Serial Number: TRA67A-25029  
Description: TRNSPNDR ATC  
Repair Order Number: 251603983      Order Number: 4511835  
Equipment Number: 42064383      Batch Number: 0005804797      Warranty Requested:

Customer Work Required :

Date of Receipt: 15.09.2017  
Reason for Removal:  
Removal Code: W465 FE  
Reason for removal: NAV ATC FAULT.

FRA W38617 08.11.17 12:55 T



**397**      **456734**  
**394**      **069059**

Date Serviceable: 26.09.2017  
MOD STATUS IN/OUT 1-6,8-12,14-16,19-28. S/W 02/02.  
SB SUSPARTS-00-0001 CARRIED OUT NO ACTION REQUIRED. VIDEO/DPSK CARD RE-  
ALIGNED. UNIT TESTED IAW ATA34-54-36 REV 9 ATP 09961 REV 8A.  
TEST COMPLIES WITH FAR 43 APPENDIX F  
Unit released under TCCA Approval No. 808-04.

Warranty Decision:

Tested <input type="checkbox"/>	Repaired <input checked="" type="checkbox"/>	Overhauled <input type="checkbox"/>	Inspected <input type="checkbox"/>
Re-manufactured <input type="checkbox"/>	New <input type="checkbox"/>	Modified <input type="checkbox"/>	

Certification Number: BA000032802474



**PROFORMA INVOICE**

08.11.2017

Page 1 of 1

<b>SHIPPER</b> Lufthansa Technik AG FRA UE/MF1 Tor 23, Geb. 401 Rhein-Main Flughafen DE - 60549 Frankfurt/Main  <b>Consignee's Name and Address</b> JSC ROSSIYA AIRLINES Open Joint Stock Company Tel: +7 812 704 1764 transfer to L 18/4 Pilotov Street RU - 196210 ST. PETERSBURG	<b>Document No.</b> <b>56072442322</b>
	  <b>Shipping Information</b> Customs status X Incoterm FCA FRA Priority AOG  Routing FRA-LED RUS

No of Pieces	Gross weight kg	Description of Packing
1	11,10	1 special box (non-wood) / 11,10 KG / 53x41x26CM /

POS	Material-/Partnummer	Description
1	066-01127-1402:22373 1,000 EA Ser.No.: TRA67A-25029	XPDR ATC# TRANSPONDER ATC TRA-67A Condition: serviceable Unit Price: USD 34.160,87 Total Price ( Pos.): USD 34.160,87
	Int: Cost Center: 210999000 ZID:397456734 Our Reference: 32493948-1, Item No. Note: VP-BIT Customs Tariff No.: 851769 Reason for Shipping: 1:1 Austauschgerät / 1:1 repair exchange Country of Origin: USA Export List No: 0	Int. Customer Reference: 116000096750 ATLAS-Reg.: 000000 Your Reference: PX0123117
	Material is not listed as Dual-use good according to Council Regulation (EC) 428/2009 RET-EXP - 304000	
	These items are controlled by the U.S. Government and authorized for reexport only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.	
	FOR USE ON SDM AIRPLANES ONLY / RELATED TO Rossiya Airlines JSC AGREEMENT NUMBER 917/14 dated 01.01.2015	
		<b>Total Invoice Value USD 34.160,87</b>
	Please contact our Customer Service, Lufthansa Technik Logistik in Frankfurt. If you have any questions or comments about our package: Phone: ++49-69-69647077 Mail: FRA.CustomerService@LTL.DLH.DE	
	Confirmation: The material has been obtained from a Lufthansa Technik approved source. We confirm that the parts were not obtained from any U.S. Government or U.S. Military sources. The parts have not been subjected to extreme stress or heat (as in major engine failure, accident or fire) to the best of our knowledge and while in possession of Lufthansa Technik unless otherwise indicated. This document was issued electronically and is therefore valid without signature.	
	*56072442322* 08.11.2017	





1. Approving Competent Authority/Country Autorité Compétente / Pays DIRECTION GENERALE DE L'AVIATION CIVILE FRANCE	<b>AUTHORISED RELEASE CERTIFICATE</b> <i>Certificat Libérateur Autorisé</i> <b>EASA FORM 1</b> <i>Formulaire 1 de l'EASA</i>	3. Form Tracking Number <i>N° de repère du Formulaire</i> 20170003299758Y24 329026356
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4. Organisation Name and Address: <i>Nom et Adresse de l'Organisme :</i> HONEYWELL AEROSPACE SAS 4, AV SAINT GRANIER - B.P. 3009 - 31024 TOULOUSE CEDEX 3-FRANCE TEL:+33-(0)534561500 FAX:+33-(0)534561600	5. Work Order/Contract/Invoice <i>Bon de commande/Contrat/Facture</i> 25156620410  329027020 Page 1 of 1
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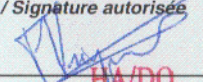
6. Item/Item	7. Description / Description	8. Part No / N° de pièce	9. Qty / Qté	10. Serial No. / N° série	11. Status/Work / Etat/Travaux
001	TRA 67A MODE S TRANSPONDER	066-01127-1402	1	TRA67A-26143	REPAIRED

**12. Remarks / Remarques**  
 WORK PERFORMED AS DETAILED IN SERVICE REPORT  
 THE SERVICE SPECIFIED HAS BEEN ACCOMPLISHED IN ACCORDANCE WITH:  
 CMM 1167A-1 Rev 9, Jan 04/2013 ATA 34-54-36  
 SL TCAS-TRA-67A-08 Rev 0, Dec 12/2006  
 SB D201603000003 Rev 1, May 03/2017 SUSPARTS-00-0001

UNIT ALSO MODIFIED/INSPECTED/TESTED  
 MODIFICATION STATUS: 1-6,8-12,14-16,19-28 SW:02/02

THE WORK IDENTIFIED IN BLOCK 11 AND DESCRIBED HEREIN HAS BEEN ACCOMPLISHED I.A.W. 14 CFR PART 43 AND IN RESPECT TO THAT WORK, THE ITEMS ARE APPROVED FOR RETURN TO SERVICE UNDER CERT. NO. H5AY376J.

13a. Certifies that the items identified above were manufactured in conformity to: <i>Certifie que les éléments identifiés ci-dessus ont été fabriqués conformément aux :</i> <input type="checkbox"/> approved design data and are in condition for safe operation <input checked="" type="checkbox"/> <b>FRA W38617 08.07.17 09:42</b> <b>C</b> en toute sécurité <input type="checkbox"/> no <b>392 375144</b> <b>Certific. Sticker</b> <input type="checkbox"/> <b>392 375144</b>	14a. <input checked="" type="checkbox"/> Part-145.A.50 Release to Service <i>Approbation pour remise en service :</i> <i>selon Partie 145.A.50</i> 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. <i>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.</i>	<input checked="" type="checkbox"/> Other regulation specified in block 12 <i>Autre réglementation précisée en case 12</i>
13b. Authority 13d. Name <b>392 375144</b>	14b. Authorised Signature / <i>Signature autorisée</i>  <b>HA/DQ</b> <b>2002/39</b> 14d. Name / <i>Nom</i> <b>François VRIGNAUD</b>	14c. Certificate/Approval Ref. No <i>N° du Certificat/Agrément</i> <b>FR.145.0148</b> 14e. Date (dd mmm yyyy) / <i>Date (jj mmm aaaa)</i> <b>05 JUL 2017</b>

**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 regulation 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.**



## SERVICE REPORT

LUFTHANSA TECHNIK AG

+33-(0)534561500 (T) +33-(0)534561600 (F)

<b>SR NUMBER:</b> 5011179342 329026356		<b>FAA:</b>	<b>EASA:</b> FR.145.0148
<b>PO:</b> 25156620410	<b>CUSTOMER PART NUMBER:</b>	<b>CONTRACT NUMBER:</b>	
<b>DATE REJECTED:</b> 20 JUN 2017	<b>DATE RECEIVED:</b> 26 JUN 2017	<b>DATE COMPLETED:</b> 05 JUL 2017	
<b>A/C TYPE:</b> A320-214	<b>A/C TAIL NUMBER:</b> VQ-BSG	<b>A/C SERIAL NUMBER:</b> D06017	
<b>PACKING STATUS:</b> No	<b>SEALS INTACT:</b> Broken	<b>PHYSICAL DAMAGE:</b> No	

**REASON FOR REMOVAL:**

FAULT MEMORY ENTRIES: 45H RX ASSY DPSK RCVR FAILURE MANY TIMES UNIT HAS FIRST REMOVAL SINCE BUILD ACC. TEST DATE. LABEL. FOUND AL L ORIGINAL WARRANTY SEALS BROKEN FREE OF CHARGE WARRANTY REPAIR ACC TO LATEST MANUFACTURER'S DOCUMENTS

	<b>AS RECEIVED:</b>	<b>AS RELEASED:</b>
<b>PART NUMBER</b>	066-01127-1402	066-01127-1402
<b>DESCRIPTION:</b>	TRA 67A MODE S TRANSPONDER	TRA 67A MODE S TRANSPONDER
<b>SERIAL NUMBER</b>	TRA67A-26143	TRA67A-26143
<b>UID(MFR/SPL PNO SER/UCN)</b>	97896 TRA67A-26143	97896 TRA67A-26143
<b>HW MOD STATUS:</b>	1-6,8-12,14-16,19-28	1-6,8-12,14-16,19-28
<b>SW MOD STATUS:</b>	02/02	02/02
<b>SOFTWARE LOAD:</b>		
<b>REASON FOR REMOVAL CONFIRMED:</b> Rejection Confirmed		<b>ESTIMATE SUPPLIED:</b> Yes
<b>PRIMARY SHOP FINDING:</b> No Fault Found But Justified Removal		<b>WARRANTY:</b> Warranty Denied
<b>TYPE OF SERVICE:</b> REPAIRED/Modified/Inspected/Tested		<b>TECHNICIAN:</b> François VRIGNAUD

**MAINTENANCE STATEMENT:**

PAGE DETAILING WORK PERFORMED, ALONG WITH MATERIALS USED, IS ATTACHED IN PAGE 2.

**SIGNATURE BELOW REQUIRED ONLY WHEN RETURN TO SERVICE IS NOT ISSUED: DATE:** \_\_\_\_\_

**SIGNATURE OF AUTHORIZED PERSON:** \_\_\_\_\_

**Complied With**

CMM/Eng Documentation: 34-54-36/Rev 9/Rev Date 04 JAN 2013;  
Service Bulletins: SUSPARTS-00-0001/Rev 1/Rev Date 03 MAY 2017;  
TCAS-TRA-67A-08/Rev 00/Rev Date 12 DEC 2006;

SHOULD YOU REQUIRE ANY FURTHER INFORMATION REGARDING THIS SERVICE REPORT, OR HAVE ANY QUESTIONS, PLEASE CONTACT OUR CUSTOMER RESPONSE CENTER AT 1-800-601-3099 OR VISIT OUR CUSTOMER PORTAL AT [www.MyAerospace.com](http://www.MyAerospace.com) TO SUBMIT AN INQUIRY.

FRA W38617 08.07.17 09:42 C



392 375144



## SERVICE REPORT

LUFTHANSA TECHNIK AG

+33-(0)534561500 (T) +33-(0)534561600 (F)

<b>SR NUMBER:</b> 5011179342		<b>FAA:</b>	<b>EASA:</b> FR.145.0148
<b>PO:</b> 25156620410	<b>CUSTOMER PART NUMBER:</b>	<b>CONTRACT NUMBER:</b>	

Customer Manuals/Documentation:

**Previously Complied With**

CMM/Eng Documentation:

Service Bulletins:

Customer Manuals/Documentation:

### Work performed / Comments to Customer

#### PRIMARY SHOP FINDINGS:

- Complaint verified: 45H (RX ASSY DPSK RCVR FAILURE) faults found in memory but not reproduced in lab.
- Unit failed short Mode S Reply Delay tests.

#### REPAIR/MODIFICATIONS:

- Unit visually inspected and cleaned.
- Required by customer Service Bulletin D201603000003 Rev 1 May 03/2017 SUSPARTS-00-0001 applied :Inspection and Replacement of Suspect Unapproved Parts.
- Transmitter re-balanced to fix hort Mode S Reply Delay tests
- Unit ran for a while without any other troubles.

#### RECERTIFICATION:

Service letter SL TCAS-TRA-67A-08 Rev 0, Dec 12/2006 applied.  
Unit has passed a full recertifying test in accordance with applicable Component Maintenance Manual 1167A-1 Rev 9 Jan 04/2013 ATA 34-54-36.

DISPOSITION	REF DSG	P/N Installed	S/N Installed	P/N Removed	S/N Removed	Qty	Primary Failure	SB

RTS TECHNICIAN FURIGNAVO HA/DQ 2002/39 DATE JULY 5<sup>TH</sup> 2017






## PROFORMA INVOICE

12.07.2017

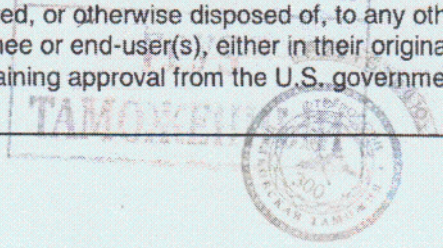
Page 1 of 2

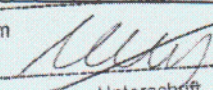
<b>SHIPPER</b> Lufthansa Technik AG FRA UE/MF1 Tor 23, Geb. 401 Rhein-Main Flughafen DE - 60549 Frankfurt/Main  <b>Consignee's Name and Address</b> JSC ROSSIYA AIRLINES Open Joint Stock Company Tel: +7 812 704 1764 transfer to LED 18/4 Pilotov Street RU - 196210 ST. PETERSBURG	Vlasov Alexander  N/A	<b>Document No.</b> <b>56071510456</b>
		
		<b>Shipping Information</b> Customs status X Incoterm FCA FRA Priority CLS  Routing FRA-LED CGC . .

No of Pieces	Gross weight kg	Description of Packing
2	16,30	1 special box (non-wood) / 15,60 KG / 64x51x45CM / 1 Karton / 0,70 KG / 30x17x14CM /

POS	Material-/Partnummer	Description
√1	066-01127-1402:22373 1,000 EA Ser.No.: TRA67A-26143	XPDR ATC# TRANSPONDER ATC TRA-67A Condition: serviceable Unit Price: USD 34.160,87 Total Price ( Pos.): USD 34.160,87 Int. Cost Center: 210999000 ZID:392375144 Int. Customer Reference: 116000096750 Our Reference: 31393112-1, Item No. ATLAS-Reg.: 000000 Note: VQ-BCP Your Reference: PX0070417 Customs Tariff No.: 851769 Reason for Shipping: 1:1 Austauschgerät / 1:1 repair exchange Country of Origin: USA Export List No: 0 Export ECCN: 7A994 Material is not listed as Dual-use good according to Council Regulation (EC) 428/2009 RET-EXP - 304000
2	35-1H5-1002:F9111 1,000 EA Ser.No.: 9252	BTMU # BRAKE TEMP MONITORING UNIT Condition: serviceable Unit Price: USD 6.050,40 Total Price ( Pos.): USD 6.050,40 Int. Cost Center: 210999000 ZID:390161847 Int. Customer Reference: 116000096750 Our Reference: 31403992-1, Item No. ATLAS-Reg.: 000000 Note: EI-EZD Your Reference: PX0071617 Customs Tariff No.: 880320 Reason for Shipping: 1:1 Austauschgerät / 1:1 repair exchange Country of Origin: France Export List No: 0 Export ECCN: 9A991D Material is not listed as Dual-use good according to Council Regulation (EC) 428/2009 RET-EXP - 304000

These items are controlled by the U.S. Government and authorized for reexport only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.



12.07.17 21:02  
 Datum  Uhrzeit  
 Unterschrift



FOR USE ON SDM AIRPLANES ONLY / RELATED TO Rossiya Airlines JSC AGREEMENT NUMBER 917/14 dated 01.01.2015

**Total Invoice Value USD** 40.211,27

Please contact our Customer Service, Lufthansa Technik Logistik in Frankfurt. If you have any questions or comments about our package: Phone: ++49-69-69647077 Mail: FRA.CustomerService@LTL.DLH.DE

Confirmation: The material has been obtained from a Lufthansa Technik approved source. We confirm that the parts were not obtained from any U.S. Government or U.S. Military sources. The parts have not been subjected to extreme stress or heat (as in major engine failure, accident or fire) to the best of our knowledge and while in possession of Lufthansa Technik unless otherwise indicated. This document was issued electronically and is therefore valid without signature.

\*56071510456\*

12.07.2017

ПУЛКОВИКАР ТАМОЖИНИ 10221010

ГРУЗ  
ТАМОЖЕНИ







16455663

1. Approving Competent Authority / Country  
LBA / Germany

2. **AUTHORISED RELEASE CERTIFICATE**  
**EASA FORM 1**

3. Form Tracking Number  
18684239 00000001

4. Organisation Name and Address:  
**Lufthansa Technik**  
Lufthansa Technik AG  
Weg beim Jäger 193  
22335 Hamburg  
Germany

5. Work Order/Contract/Invoice  
16455663

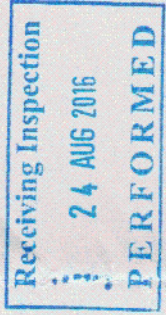
6. Item 7. Description 8. Part No. 9. Qty. 10. Serial No. 11. Status / Work

01 TRANSPONDER ATC TRA-67A 066-01127-1402 1 TRA67A-26514 REPAIRED

12. Remarks  
ATA 3450 TP R MK-No. 10 Pack Code L0 Resp. Workshop 32235000 Workshop Station HAM305

Return to Service in Accordance with 14 CFR part 43  
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

FAA Certificate No. DLAY225D  
TCCA Approval No. 897-08



TASK PERFORMED IN ACCORDANCE WITH CMM 34-54-36  
REV 9 / CMDS 34-54-36 ISSUE 045

13a. Certifies that the items identified above were manufactured in conformity to:  
 approved design data and are in a condition for safe operation  
 Part-145.A.50 Release to Service  
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. Certificate / Approval Ref. Number  
13d. Name  
14e. Date (dd mm yyyy)

067183  
Nicolai Berger  
30 Jun 2016  
DE.145.0001

FRA W69937 28.07.16 15:12 D  
Certific. Sticker  
388 163005

EASA FORM 1 - Issue 2  
USER/INSTALLER RESPONSIBILITIES

Note: 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 from 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.

LHT Form 30800 E-13 (HAM TQ3)





16455663

Certificate Ref. No.

18684239 00000001

# Workshop Report



## Lufthansa Technik

Lufthansa Technik AG  
Weg beim Jäger 193  
22335 Hamburg  
Germany

Customer Order No.	18684239 00000001																												
Part. No. as received	066-01127-1402	TRA67A-26514																											
Part. No. as dispatched	066-01127-1402	TRA67A-26514																											
Reason for removal	NAV ATC/XPDR 1 FAULT																												
Findings	<p>REASON OF REMOVAL CONFIRMED.          Fault memory entries: 27H IOP BD SQUITTER TX DATA FAILURE          TX power about 50 Watts pulse power on both antennas          due to defective microwave transistor Q6502.          Adjustments recommended.</p>																												
Action	<p>Replaced Q6502.          Performed resonator alignment and transmitter alignment.          Adjusted MTL for both antennas.          Tested unit under cold and hot conditions without failing.          Performed return-to-service test, unit passed.</p>																												
Work Order/Contract/Invoice	N/A																												
Description	TRANSPONDER ATC TRA-67A																												
Responsible Workshop	32235000																												
Modification Status according to Mod-Label	<table border="0"> <tr><td>1</td><td>2</td><td>3</td></tr> <tr><td>4</td><td>5</td><td>6</td></tr> <tr><td>8</td><td>9</td><td>10</td></tr> <tr><td>11</td><td>12</td><td>14</td></tr> <tr><td>15</td><td>16</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td></tr> <tr><td>23</td><td>24</td><td>25</td></tr> <tr><td>26</td><td>27</td><td>28</td></tr> <tr><td>SW 02/02</td><td></td><td></td></tr> </table>		1	2	3	4	5	6	8	9	10	11	12	14	15	16	19	20	21	22	23	24	25	26	27	28	SW 02/02		
1	2	3																											
4	5	6																											
8	9	10																											
11	12	14																											
15	16	19																											
20	21	22																											
23	24	25																											
26	27	28																											
SW 02/02																													
Name	67183, Nicolai Berger																												
Date (dd mmm yyyy)	30 Jun 2016																												

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388 163005

The work specified above has been performed subject to Lufthansa Technik's Standard conditions for Technical Services which, if not superseded by another agreement or not yet agreed upon before, are acknowledged by the customer with acceptance of the part(s) hereunder.





## Delivery Note

15.08.2016

Page 1 of 1

<b>SHIPPER</b> Lufthansa Technik AG FRA UE/MF1 Tor 23, Geb. 401 Rhein-Main Flughafen DE-60549 Frankfurt/Main  <b>Consignee's Name and Address</b> JSC ROSSIYA AIRLINES Open Joint Stock Company Tel: +7 812 704 1764 18/4 Pilotov Street RU - 196210 ST. PETERSBURG	Ostrovskii Nikita  N/A	<b>Shipment No.</b>  <b>56061642524</b>  020-97744150
		  <b>Shipping Information</b> Customs status X Incoterm FCA FRA Destination LED DERAC-No. DE/RA/00777-05

No of Pieces	Gross weight kg	Description of Packing
2	30,40	1 special box (non-wood) / 11.20 KG / 53x41x26CM 1 special box (non-wood) / 19.20 KG / 53x41x38CM

POS Material-/Partnummer	Description
1 622-5132-120:4V792 1,000 EA Ser.No.: 721C Condition: serviceable Our Reference: YDG27Q Your Reference: PX0060716 ZID: 358202204	XCVR WXR# WXR TRANSCEIVER WRT-701X
2 066-01127-1402:22373 1,000 EA Ser.No.: TRA67A-26514 Condition: serviceable Our Reference: YDG6SN Your Reference: PX0060816 ZID: 388163005	XPDR ATC# TRANSPONDER ATC TRA-67A

**Confirmation:**

The material has been obtained from a Lufthansa Technik approved source.  
 We confirm that the parts were not obtained from any U.S. Government or U.S. Military sources. The parts have not been subjected to extreme stress or heat (as in major engine failure, accident or fire) to the best of our knowledge and while in possession of Lufthansa Technik unless otherwise indicated.  
 This document was issued electronically and is therefore valid without signature.





1. Approving Competent Authority/Country  
 Autorité Compétente / Pays  
 DIRECTION GENERALE DE  
 L'AVIATION CIVILE  
 FRANCE

2. **AUTHORISED RELEASE CERTIFICATE**  
**Certificat Libératoire Autorisé**  
**EASA FORM 1**  
**Formulaire 1 de l'EASA**

3. Form Tracking Number  
 N° de repère du Formulaire  
 20170003323738Y24  
 329027626

4. Organisation Name and Address:  
 Nom et Adresse de l'Organisme :  
 HONEYWELL AEROSPACE SAS  
 4, AV SAINT GRANIER - B.P. 3009 - 31024 TOULOUSE CEDEX 3-FRANCE  
 TEL:+33-(0)534561500 FAX:+33-(0)534561600

5. Work Order/Contract/Invoice  
 Bon de commande/Contrat/Facture  
 251566230  
 329027727  
 Page 1 of 1

11. Status/Work / Etat/Travaux  
 REPAIRED

6. Item/Item 7. Description / Description  
 001 TRA 67A MODE S TRANSPONDER

8. Part No. / N° de pièce  
 066-01127-1402

9. Qty / Qté  
 1

10. Serial No. / N° série  
 TRA67A-27621

12. Remarks / Remarques  
 WORK PERFORMED AS DETAILED IN SERVICE REPORT  
 THE SERVICE SPECIFIED HAS BEEN ACCOMPLISHED IN ACCORDANCE WITH:  
 CMM 1167A-1 Rev 9, Jan 04/2013 ATA 34-54-36  
 SL TCAS-TRA-67A-08 Rev 0, Dec 12/2006

UNIT ALSO INSPECTED/TESTED  
 MODIFICATION STATUS: 1-6,8-12,14-16,19-28 SW:02/02

RECEIVING INSPECTION  
 27 OCT 2017  
 PERFORMED



THE WORK IDENTIFIED IN BLOCK 11 AND DESCRIBED HEREIN HAS BEEN ACCOMPLISHED I. A. W. 14 CFR PART 43 AND IN RESPECT TO THAT WORK, THE ITEMS ARE APPROVED FOR RETURN TO SERVICE UNDER CERT. NO. H5AY376J.

13a. Certifies that the items identified above were manufactured in conformity to:  
 13b. **FRA (FRA516S 15.10.17 11:46 T)**  
 Certific. Sticker  
 393 887834  
 392 800759

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  
 FR.145.0148  
 14d. Name/Nom  
 François VRIGNAUD  
 14e. Date (dd mmm yyyy)/ Date (jj mm aa)  
 11 JUL 2017

14c. Certificate/Approval Ref. No  
 N° du Certificat/Agrément  
 FR.145.0148  
 14e. Date (dd mmm yyyy)/ Date (jj mm aa)  
 11 JUL 2017

**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 regulation of an airworthiness authority different than the airworthiness authority specified in block 1, 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 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.



## SERVICE REPORT

LUFTHANSA TECHNIK AG

+33-(0)534561500 (T) +33-(0)534561600 (F)

<b>SR NUMBER:</b> 5011179217 329027626		<b>FAA:</b>	<b>EASA:</b> FR.145.0148
<b>PO:</b> 25156623010	<b>CUSTOMER PART NUMBER:</b>	<b>CONTRACT NUMBER:</b>	
<b>DATE REJECTED:</b> 19 JUN 2017	<b>DATE RECEIVED:</b> 26 JUN 2017	<b>DATE COMPLETED:</b> 11 JUL 2017	
<b>A/C TYPE:</b> A320-232	<b>A/C TAIL NUMBER:</b> HA-LYT	<b>A/C SERIAL NUMBER:</b> D06683	
<b>PACKING STATUS:</b> No	<b>SEALS INTACT:</b> Broken	<b>PHYSICAL DAMAGE:</b> No	

**REASON FOR REMOVAL:**  
Seals broken by LHT. Incoming visual inspection shows LRU in normal wear. Nothing stored in fault memory. Unit works normal during workshop enter. Already installed SB SUSPARTS-00-0001, Rev. 1, Date: 3 May 2017 by LHT. Test date label unerasable. Label replaced. Failed during RTS tests on BOT ANT only: "TRT 0058 MODE S REPLY DELAY with 127.75 μs " "TRT 0059 REPLY DELAY AND JITTER with 127.72μs" Free of charge warranty repair acc to latest Manufacturer's Documents

	<b>AS RECEIVED:</b>	<b>AS RELEASED:</b>
<b>PART NUMBER</b>	066-01127-1402	066-01127-1402
<b>DESCRIPTION:</b>	TRA 67A MODE S TRANSPONDER	TRA 67A MODE S TRANSPONDER
<b>SERIAL NUMBER</b>	TRA67A-27621	TRA67A-27621
<b>UID(MFR/SPL PNO SER/UCN)</b>	97896 TRA67A-27621	97896 TRA67A-27621
<b>HW MOD STATUS:</b>	1-6,8-12,14-16,19-28	1-6,8-12,14-16,19-28
<b>SW MOD STATUS:</b>	02/02	02/02
<b>SOFTWARE LOAD:</b>		
<b>REASON FOR REMOVAL CONFIRMED:</b> Rejection Confirmed		<b>ESTIMATE SUPPLIED:</b> Yes
<b>PRIMARY SHOP FINDING:</b> Hardware Fault Found		<b>WARRANTY:</b> Warranty Denied
<b>TYPE OF SERVICE:</b> REPAIRED/Inspected/Tested		<b>TECHNICIAN:</b> François VRIGNAUD

**MAINTENANCE STATEMENT:**  
PAGE DETAILING WORK PERFORMED, ALONG WITH MATERIALS USED, IS ATTACHED IN PAGE 2.

**SIGNATURE BELOW REQUIRED ONLY WHEN RETURN TO SERVICE IS NOT ISSUED: DATE:** \_\_\_\_\_  
**SIGNATURE OF AUTHORIZED PERSON:** \_\_\_\_\_

**Complied With**  
CMM/Eng Documentation: 34-54-36/Rev 9/Rev Date 04 JAN 2013;  
Service Bulletins: TCAS-TRA-67A-08/Rev 00/Rev Date 12 DEC 2006;  
Customer Manuals/Documentation:

SHOULD YOU REQUIRE ANY FURTHER INFORMATION REGARDING THIS SERVICE REPORT, OR HAVE ANY QUESTIONS, PLEASE CONTACT OUR CUSTOMER RESPONSE CENTER AT 1-800-601-3099 OR VISIT OUR CUSTOMER PORTAL AT [www.MyAerospace.com](http://www.MyAerospace.com) TO SUBMIT AN INQUIRY.

FRA [FRA516S 15.10.17 11:46 T



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887834

800759



## SERVICE REPORT

LUFTHANSA TECHNIK AG

+33-(0)534561500 (T) +33-(0)534561600 (F)

<b>SR NUMBER: 5011179217</b>		<b>FAA:</b>	<b>EASA:</b> FR.145.0148
<b>PO:</b> 25156623010	<b>CUSTOMER PART NUMBER:</b>	<b>CONTRACT NUMBER:</b>	

<b>Previously Complied With</b> CMM/Eng Documentation: Service Bulletins: Customer Manuals/Documentation:								
<b>Work performed / Comments to Customer</b> PRIMARY SHOP FINDINGS: - Complaint verified: unit failed Mode S Reply relay tests.  REPAIR: - Unit visually inspected. - Transmitter alignments performed to fix the Mode S reply delay failure. - Unit ran for a while without any other troubles.  RECERTIFICATION: - Service letter SL TCAS-TRA-67A-08 Rev 0, Dec 12/2006 applied. - Unit has passed a full recertifying test in accordance with applicable Component Maintenance Manual 1167A-1 Rev 9 Jan 04/2013 ATA 34-54-36.								
DISPOSITION	REF DSG	P/N Installed	S/N Installed	P/N Removed	S/N Removed	Qty	Primary Failure	SB

RTS TECHNICIAN <u>FVRIGNAUD</u>	<u>HA/DQ</u> <u>2002/39</u>	DATE <u>JULY 11<sup>TH</sup> 2017</u>
---------------------------------	--------------------------------	---------------------------------------





Smartlabel-ID: 100000002830532



33000000

FRA [FRA516S 15.10.17 11:46 T



# Ident-Tag

SEE ORIGINAL CERTIFICATE



**393**

**887834**

Form Tracking Number | Work Order / Contract / Invoice  
18180243 | 33200364

ZID | Part. No.  
392800759 S | 08.08.2017

Description  
TRANSPONDER ATC TRA-67A

Part. No.  
066-01127-1402

Eligibility | Quantity | Status / Work  
 | 1 | n/a

Serial-/Batch No.  
TRA67A-27621

### Remarks

TP ? MK-No. 10 Resp. Workshop 32235000 Workshop Station HAM305  
FSCM 22373 ATA 3450

Task performed in Accordance with \_\_\_\_\_  
REV \_\_\_\_\_



Aufnr.:  
Kontrolle Fachbereich  
SAP - Auftragsnummer 119001589231

Packaging Code:L0

Seal Pack:Seal bag

Installed on (Information is only required in case of installation only)		
PNR NHA	SNR NHA	Position/FIN No. NHA
Station	A/C-Registration	

## Removed

PNR <sup>1</sup>	SNR <sup>1</sup>	Position/FIN No. <sup>1</sup>
Station <sup>1</sup>	A/C-Registration <sup>1</sup>	Unit Barcode No.

### Removed from NHA (Information is only required in case of part change on next higher assy)

PNR NHA	SNR NHA	Position/FIN No. NHA
---------	---------	----------------------

### Reason for Removal<sup>1</sup>

<input type="checkbox"/> 22 Unscheduled	Complaint No. <sup>1</sup> or WO-Reference <sup>1</sup>	<input type="checkbox"/> 11 Scheduled
---	---	---------------------------------------

Failure Description<sup>1</sup> (Please write in capital letters only)

CCI-ID<sup>2</sup>

Special Investigation Tag exists  Yes

Stamp or ID Number + Signature<sup>1/2</sup>

Please send back to:(unless other return location is agreed)

Date<sup>1</sup>

LUFTHANSA TECHNIK AG  
c/o Lufthansa Technik Logistik Services GmbH  
Warenannahme / Goods Receiving  
Weg beim Jaeger 193  
22335 HAMBURG-FUHLBUETTEL  
Deutschland

<sup>1</sup> Mandatory entries without using CCI-Mask

<sup>2</sup> Mandatory entries using CCI-Mask






## PROFORMA INVOICE

15.10.2017

Page 1 of 1

<b>SHIPPER</b> Lufthansa Technik AG FRA UE/MF1 Tor 23, Geb. 401 Rhein-Main Flughafen DE - 60549 Frankfurt/Main	<b>Document No.</b> <b>56072240840</b>
	
<b>Consignee's Name and Address</b> JSC ROSSIYA AIRLINES Open Joint Stock Company Tel: +7 812 704 1764 transfer to L 18/4 Pilotov Street RU - 196210 ST. PETERSBURG	<b>Shipping Information</b> Customs status T1 Incoterm FCA FRA Priority AOG  Routing FRA-LED RUS

No of Pieces	Gross weight kg	Description of Packing
1	11,00	1 special box (non-wood) / 11,00 KG / 53x41x26CM /

POS	Material-/Partnummer	Description
1	066-01127-1402:22373 1,000 EA Ser.No.: TRA67A-27621	XPDR ATC# TRANSPONDER ATC TRA-67A Condition: serviceable Unit Price: USD 34.160,87 Total Price ( Pos.): USD 34.160,87
	Int: Cost Center: 210999000 ZID:393887834 Our Reference: 32244559-1, Item No. Note: VQ-BAR Customs Tariff No.: 851769 Reason for Shipping: 1:1 Austauschgerät / 1:1 repair exchange Country of Origin: USA Export List No: 0	Int. Customer Reference: 116000096750 ATLAS-Reg.: 000000 Your Reference: PX0110217
	Material is not listed as Dual-use good according to Council Regulation (EC) 428/2009 RET-EXP - 304000  These items are controlled by the U.S. Government and authorized for reexport only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.  FOR USE ON SDM AIRPLANES ONLY / RELATED TO Rossiya Airlines JSC AGREEMENT NUMBER 917/14 dated 01.01.2015	<b>Total Invoice Value USD 34.160,87</b>
	Please contact our Customer Service, Lufthansa Technik Logistik in Frankfurt. If you have any questions or comments about our package: Phone:++49-69-69647077 Mail: FRA.CustomerService@LTL.DLH.DE Confirmation: The material has been obtained from a Lufthansa Technik approved source. We confirm that the parts were not obtained from any U.S. Government or U.S. Military sources. The parts have not been subjected to extreme stress or heat (as in major engine failure, accident or fire) to the best of our knowledge and while in possession of Lufthansa Technik unless otherwise indicated. This document was issued electronically and is therefore valid without signature. *56072240840* 15.10.2017	



1. Approving Civil Aviation Authority/Country:  
**FAA/United States**

**2. AUTHORIZED RELEASE CERTIFICATE**  
**FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG**

4. Organization Name and Address:  
Honeywell International Inc.  
1720 E. Grant Street  
Phoenix, Arizona 85034

Production Approval  
PT1354NM

3. Form Tracking Number:  
20180004468239Y14  
8007238981-10

5. Work Order/Contract/Invoice Number:  
45229989601  
Page 1 of 1

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status / Work:
001	TRA 67A MODE S TRANSPONDER	066-01127-1402	1	TRA67A-30332	NEW

12. Remarks:  
AIRWORTHINESS APPROVAL,  
FAA TSO STANDARDS: C112  
ETSO/JTSO AUTHORIZATION STANDARD(S) : 2C112A



Receiving Inspection  
11 APR 2018  
PERFORMED

13a. Certifies 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.

13b. Authorized Signature: *James Gentle*  
 13c. Approval/Authorization No.: ODA-602216-NM  
 14a.  14 CFR 43.9 Return 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 Title 14 of the Federal Regulations, part 43 and in respect to that:  
 14b. Authorized Signature:

13d. Name (Typed or Printed): James Gentle  
 13e. Date (dd/mm/yy): 16/MAR/2018  
 14d. Name (Typed or Printed):

FRA M89232 20.03.18 15:28 T

Certific. Sticker  
392 108010

**User / Installer Responsibilities**  
 It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country 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.  
 FAA FORM 8130 - 3 (02-14) NSN : 0052 - 00 - 072 - 9005






## PACKING LIST

PACKING LIST NO.: 92193226

SED

PAGE: 1 OF 1

<b>SOLD TO: 304030</b> LUFTHANSA TECHNIK AG HAM TB2 INVOICE CONTROL WEG BEIM JAEGER 193 22335 HAMBURG GERMANY	<b>SHIP TO: 37171</b> LUFTHANSA TECHNIK AG LUFTHANSA TECHNIK LOGISTIK GMBH WARENANNAHME FRA UH/BR1 60549 MAIN GERMANY 
--	--

<b>BILL TO:</b> LUFTHANSA TECHNIK AG HAM TB2 INVOICE CONTROL WEG BEIM JAEGER 193 22335 HAMBURG GERMANY	<b>HONEYWELL END USER: 37171</b> LUFTHANSA TECHNIK AG LUFTHANSA TECHNIK LOGISTIK GMBH WARENANNAHME FRA UH/BR1 60549 MAIN GERMANY
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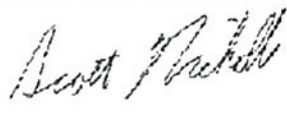
<b>Freight Forwarder</b>	
--------------------------	--

<b>BILLING INFORMATION</b> PAYMENT TERMS: Net 30 Days CURRENCY: USD SPECIAL PROCESSING: Collect	<b>SHIPPING INFORMATION</b> SHIP DATE: 16 MAR 2018 SHIPPING METHOD: ZDAY Ground CARRIER ACCT. NO: LUFTHANSA FEDEX 200931106 INCOTERMS: EXW
--	--

ITEM	MATERIAL NUMBER	I.C.*	DESCRIPTION	CAGE CODE	QTY	8130	PO NUMBER	SCHED. B	ECCN / USML
	ORDERED NUMBER						PO ITEM		
0010	066-01127-1402		TRA 67A MODE S TRANSPONDER	58960	1	Y	45229989601 1	8526910070	7A994
Country of Origin: US Serial No.(s): TRA67A-30332									

CONTAINER	BILL OF LADING	DIMENSIONS	GROSS WEIGHT
1		23X14X17	23.000 LB

\* INTERCHANGEABILITY CODE: 1 = ONE WAY, 2 = EITHER WAY, 5 = QUALIFIED

<b>DESTINATION CONTROL STATEMENTS:</b> *THESE ITEMS ARE CONTROLLED BY THE U.S. GOVERNMENT AND AUTHORIZED FOR EXPORT ONLY TO THE COUNTRY OF ULTIMATE DESTINATION FOR USE BY THE ULTIMATE CONSIGNEE OR END-USER(S) HEREIN IDENTIFIED. THEY MAY NOT BE RESOLD, TRANSFERRED, OR OTHERWISE DISPOSED OF, TO ANY OTHER COUNTRY OR TO ANY PERSON OTHER THAN THE AUTHORIZED ULTIMATE CONSIGNEE OR END-USER(S), EITHER IN THEIR ORIGINAL FORM OR AFTER BEING INCORPORATED INTO OTHER ITEMS, WITHOUT FIRST OBTAINING APPROVAL FROM THE U.S. GOVERNMENT OR AS OTHERWISE AUTHORIZED BY U.S. LAW AND REGULATIONS.* End User LUFTHANSA TECHNIK AG Ull. Country of Destination Germany	
<b>CERTIFICATE OF CONFORMANCE</b> I HEREBY CERTIFY THAT THE PARTS OR MATERIALS LISTED HEREIN WERE SHIPPED AS SHOWN, IN QUANTITIES AND THE QUALITY CALLED FOR IN THE ABOVE CITED PURCHASE ORDER AND WERE IN ALL RESPECTS IN ACCORDANCE WITH THE APPLICABLE SPECIFICATIONS. AND THAT (A) THE PARTS AND OR MATERIALS REFLECTED HEREIN WERE PRODUCED / PROCESSED UNDER FEDERAL AVIATION ADMINISTRATION APPROVED QUALITY ASSURANCE	CUSTOMER SERVICES QUALITY ASSURANCE MANAGER

<b>HONEYWELL CONTACT INFORMATION</b>			
PHONE:	(602)365-3099	TOLL FREE PHONE:	1-(800)601-3099
FAX:	1-602-822-7720	TOLL FREE FAX:	






## PROFORMA INVOICE

21.03.2018

Page 1 of 1

<b>SHIPPER</b> Lufthansa Technik AG FRA UE/MF1 Tor 23, Geb. 401 Rhein-Main Flughafen DE - 60549 Frankfurt/Main		<b>Document No.</b> <b>56018069326</b>
<b>Consignee's Name and Address</b> JSC ROSSIYA AIRLINES Open Joint Stock Company Tel: +7 812 704 1764 transfer to L 18/4 Pilotov Street RU - 196210 ST. PETERSBURG		 <b>Shipping Information</b> Customs status X Incoterm FCA FRA Priority CLS  Routing FRA-LED RUS
<b>No of Pieces</b>	<b>Gross weight kg</b>	<b>Description of Packing</b>
1	11,10	1 special box (non-wood) / 11,10 KG / 53x41x26CM /
<b>POS</b>	<b>Material-/Partnummer</b>	<b>Description</b>
1	066-01127-1402:22373 1,000 EA Ser.No.: TRA67A-30332	XPDR ATC# TRANSPONDER ATC TRA-67A Condition: serviceable Unit Price: USD 35.356,51 Total Price ( Pos.): USD 35.356,51  Int. Cost Center: 210999000 ZID:392108010 Int. Customer Reference: 116000096750 Our Reference: 33842238-1, Item No. ATLAS-Reg.: ATE400056890320183302000001 Note: VQ-BBA Your Reference: PX0021218 Customs Tariff No.: 851769 Reason for Shipping: 1:1 Austauschgerät / 1:1 repair exchange Country of Origin: USA Export List No: 0 Export ECCN: 7A994 Material is not listed as Dual-use good according to Council Regulation (EC) 428/2009 RET-EXP - 304000
<p>These items are controlled by the U.S. Government and authorized for reexport only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.</p> <p>FOR USE ON SDM AIRPLANES ONLY / RELATED TO Rossiya Airlines JSC AGREEMENT NUMBER 917/14 dated 01.01.2015</p>		
		<b>Total Invoice Value USD 35.356,51</b>
Please contact our Customer Service, Lufthansa Technik Logistik in Frankfurt. If you have any questions or comments about our package: Phone: ++49-69-69647077 Mail: FRA.CustomerService@LTL.DLH.DE Confirmation: The material has been obtained from a Lufthansa Technik approved source. We confirm that the parts were not obtained from any U.S. Government or U.S. Military sources. The parts have not been subjected to extreme stress or heat (as in major engine failure, accident or fire) to the best of our knowledge and while in possession of Lufthansa Technik unless otherwise indicated. This document was issued electronically and is therefore valid without signature. *56018069326* 21.03.2018		



**SERVICEABLE RELEASE CERTIFICATE**Certificate Number **19-049**Aircraft type: **A319-111**Registration: **VQ-BOX**Serial Number: **2465**Component /  
Part: **XPDR-  
ATC**Description  
**TRANSPONDER-ATC**Part No.  
**066-01127-1402**Serial No.  
**TRA67A17320**

Remarks: include any requirements for installation such as: functional testing, adjustment, modification, life limitation, mandatory compliance, inspection, reactivation.

1. Removed from 1SH2 position acc. WO# 505'929'259 iss. 03JAN2019;
2. Inspected acc. AMM rev 27 from 01FEB2019 Subtask 34-52-33-420-050-A: no deviation found;
3. Tested acc. AMM rev 27 from 01FEB2019 TASK 34-52-00-740-004-A: test is "OK";
4. No previous maintenance since new;
5. Next maintenance due/Life limit - N/A due to OCCM part;
6. AD, repairs and modifications - N/A;
7. TSN/CSN - 49047 FH / 23140 FC;
8. TSLI/ CSLI - N/A due to OCCM part;  
TSLSV/CSLSV - N/A due to OCCM part;
9. Statement of Compliance #29.8461 from 24.04.2019

The work recorded has been carried out in accordance with the Air Navigation (Overseas Territories) Order as amended and in respect of that work the aircraft or component is fit for release to service.

Maintenance manual  
references:**AMM 34-52-33 rev 27 from 01FEB2019**

Authorised Signature:

BCAA AMO Approval Ref. No.  
**BDA / AMO / 302**Authorisation No.  
**0066**

Name:

**A. Vasilyev**Date: **24 APR 2019**BAC-AW-03  
Issue 2



18/4 Pilotov st., St.Petersburg, 196210, Russian Federation  
15A Leninsky prospekt, Moscow, 119071, Russian Federation  
tel.: +7 (812) 6 333 700, fax:+7 (812) 6 333 810  
head\_office@rossiya-airlines.com

24.04.2019 № 29.8460

STATEMENT OF COMPLIANCE

The mentioned below item

Description TRANSPONDER-ATC

Part No. 066-01127-1402

Serial No. TRA67A17320

Was installed on the Airbus 319-111 aircraft reg.No VQ-BOX MSN 2465  
on 27 Apr. 2005

Was removed from the aircraft on 23 Apr. 2019

Last maintenance was carried out on No previous maintenance since new

Airworthiness directives, repairs and modifications that have been incorporated:

No known airworthiness directives, repairs and modifications applicable to this part

Next maintenance due (for HT component) / Life limit (for LLP) Not applicable due to OCCM part

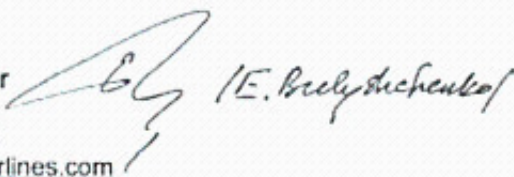
Time since new / Cycles since new / 49047 / 23140

Time since last inspection / Cycles since last inspection Not applicable due to OCCM part

Time since last shop visit / Cycles since last shop visit / Not applicable due to OCCM part

has been operated and maintained in accordance with the manufacturer's practices and procedures and was not involved in accidents, incidents, heavy landings or lightning strikes, was not subjected to fire, extreme heat or damage during the period of its operation within "Rossiya airlines" JSC.

Igor Tylesov  
Maintenance quality manager  
"Rossiya airlines" JSC  
Tel./Fax.: +7(812) 6-333-950  
E-mail: I.Tylesov@rossiya-airlines.com





**SERVICEABLE RELEASE CERTIFICATE**Certificate Number **19-048**Aircraft type: **A319-111** Registration: **VQ-BOX** Serial Number: **2465**

Component / Part: <b>XPDR-ATC</b>	Description: <b>TRANSPONDER-ATC</b>	Part No.: <b>066-01127-1402</b>	Serial No.: <b>TRA67A17321</b>
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Remarks: include any requirements for installation such as: functional testing, adjustment, modification, life limitation, mandatory compliance, inspection, reactivation.

1. Removed from 1SH1 position acc. WO# 505'929'259 iss.03JAN2019;
2. Inspected acc. AMM rev 27 from 01FEB2019 Subtask 34-52-33-420-050-A: no deviation found;
3. Tested acc. AMM rev 27 from 01FEB2019 TASK 34-52-00-740-004-A: test is "OK";
4. No previous maintenance since new;
5. Next maintenance due/Life limit – N/A due to OCCM part;
6. AD, repairs and modifications – N/A;
7. TSN/CSN – 49047 FH / 23140 FC;
8. TSLI/ CSLI – N/A due to OCCM part;  
TSLSV/CSLSV – N/A due to OCCM part;
9. Statement of Compliance #29.8461 from 24.04.2019

The work recorded has been carried out in accordance with the Air Navigation (Overseas Territories) Order as amended and in respect of that work the aircraft or component is fit for release to service.

Maintenance manual references: **AMM revision 27 from 01FEB2019**

Authorised Signature: 	BCAA AMO Approval Ref. No. <b>BDA / AMO / 302</b>	Authorisation No. <b>0066</b>
---------------------------	--	----------------------------------

Name: <b>A. Vasilyev</b>	Date: <b>24 APR 2019</b>
-----------------------------	--------------------------

BAC-AW-03  
Issue 2



14.04.2019 № 29.8961

STATEMENT OF COMPLIANCE

The mentioned below item

Description TRANSPONDER-ATC

Part No. 066-01127-1402

Serial No. TRA67A17321

Was installed on the Airbus 319-111 aircraft reg.No VQ-BOX MSN 2465  
on 27 Apr. 2005

Was removed from the aircraft on 23 Apr. 2019

Last maintenance was carried out on No previous maintenance since new

Airworthiness directives, repairs and modifications that have been incorporated:

No known airworthiness directives, repairs and modifications applicable to this part

Next maintenance due (for HT component) / Life limit (for LLP) Not applicable due to OCCM part

Time since new / Cycles since new / 49047 / 23140

Time since last inspection / Cycles since last inspection Not applicable due to OCCM part

Time since last shop visit / Cycles since last shop visit / Not applicable due to OCCM part

has been operated and maintained in accordance with the manufacturer's practices and procedures and was not involved in accidents, incidents, heavy landings or lightning strikes, was not subjected to fire, extreme heat or damage during the period of its operation within "Rossiya airlines" JSC.

Igor Tylesov  
Maintenance quality manager  
"Rossiya airlines" JSC  
Tel./Fax.: +7(812) 6-333-950  
E-mail: [I.Tylesov@rossiya-airlines.com](mailto:I.Tylesov@rossiya-airlines.com)







# SERVICEABLE RELEASE CERTIFICATE

Certificate Number **19-079**

Aircraft type: A-320-214      Registration: VQ-BCG      Serial Number: 1200

Component / Part:	Description	Part No.	Serial No.
Component	TRANSPONDER-ATC	7517800-10005	XSE07324

Remarks: *include any requirements for installation such as: functional testing, adjustment, modification, life limitation, mandatory compliance, inspection, reactivation.*

Was installed on the Airbus 320-214 aircraft reg.No VQ-BCG MSN 1200 on 19.MAR.2012  
Was removed from the aircraft on 01.JUL.2019

Last maintenance was carried out on 07 NOV 2011 by ACSS Repair and Overhaul  
Airworthiness directives, repairs and modifications that have been incorporated:

No known airworthiness directives, repairs and modifications applicable to this part

Next maintenance due (for HT component) / Life limit (for LLP) Not applicable due to OCCM part

Time since new / Cycles since new / Not applicable due to OCCM part

Time since last inspection / Cycles since last inspection 22902/8630

Time since last shop visit / Cycles since last shop visit Not applicable due to OCCM part

has been operated and maintained in accordance with the manufacturer's practices and procedures and was not involved in accidents, incidents, heavy landings or lightning strikes, was not subjected to fire, extreme heat or damage during the period of its operation within "Rossiya airlines" JSC.

BITE test of the TRANSPONDER ATC (1SH1) has been performed IAW AMM TASK 34-52-00-740-004 . Rev.28 from 01.MAY.2019. TEST OK.

STATEMENT OF COMPLIANCE # 29.8635 dated 01.07.2019.

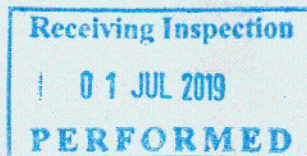
*The work recorded has been carried out in accordance with the Air Navigation (Overseas Territories) Order as amended and in respect of that work the aircraft or component is fit for release to service.*

Maintenance manual references: Removed IAW AMM TASK 34-52-33-000-001-A Rev.28 from 01.MAY.2019

Authorised Signature:	BCAA AMO Approval Ref. No. BDA/AMO/302	Authorisation No. 0171
-----------------------	---	---------------------------

Name: A. LVOV	Date: 01.JULY.2019
---------------	--------------------

BAC-AW-03  
Issue 2







"ROSSIYA AIRLINES" JOINT STOCK COMPANY

18/4 Pilotov st., St.Petersburg, 196210, Russian Federation  
15A Leninskiy prospekt, Moscow, 119071, Russian Federation  
tel.: +7 (812) 6 333 700, fax:+7 (812) 6 333 810  
head\_office@rossiya-airlines.com

To whom it may concern

01.07.2019 № 29.8635

STATEMENT OF COMPLIANCE

The mentioned below item

Description TRANSPONDER-ATC

Part No. 7517800-10005

Serial No. XSE07324

Was installed on the Airbus 320-214 aircraft reg.No VQ-BCG MSN 1200  
on 19 Mar 2012

Was removed from the aircraft on 01 Jul. 2019

Last maintenance was carried out on 07 Nov 2011 by ACSS Repair and Overhaul  
Airworthiness directives, repairs and modifications that have been incorporated:

No known airworthiness directives, repairs and modifications applicable to this part

Next maintenance due (for HT component) / Life limit (for LLP):

Not applicable due to OCCM part

Time since new / Cycles since new Not applicable due to OCCM part

Time since last inspection / Cycles since last inspection 22902 / 8630

Time since last shop visit / Cycles since last shop visit Not applicable due to OCCM part

has been operated and maintained in accordance with the manufacturer's practices and procedures and was not involved in accidents, incidents, heavy landings or lightning strikes, was not subjected to fire, extreme heat or damage during the period of its operation within "Rossiya airlines" JSC.

Igor Tylesov

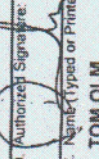
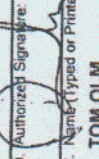
Maintenance quality manager

"Rossiya airlines" JSC

Tel./Fax.: +7(812) 6-333-950

E-mail: I.Tylesov@rossiya-airlines.com



1. Approving National Aviation Authority/Country: <b>FAA/UNITED STATES</b>		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: <b>CQ-38583</b>	
4. Organization Name and Address: <b>L3ZR029X</b> <b>ACSS Repair and Overhaul</b> <b>19810 North 7th Avenue</b> <b>Phoenix, Arizona 85027-4400</b>		5. Work Order, Contract, or Invoice Number: <b>CQ-38583</b>		6. Customer PO No.: <b>250801336</b>	
6. Item:	7. Description:	8. Part Number:	9. Eligibility*	10. Quantity:	11. Serial/Batch Number:
1	XS-850 ATDL TRANSPONDER	7517800-10005	N/A	1 EA.	XSE07324
12. Status/Work: <b>TESTED</b>					
13. Remarks: <b>Complies with 14 CFR Part 43 Appendix F, retest required by: 07-Nov-13. Certifies that the work specified in blocks 12/13 was carried out in accordance with EASA 145 and in respect to that work the aircraft component is considered ready for release to service under EASA Certificate Number EASA.145.5441</b>					
Test / Inspection Doc. Used		Revision	Date	Other Doc. Used	Revision
IT7817800		AP	19/Feb/2011		
CMM 34-53-08		011	15/Jul/2011		
14. Certifies the item identified above were manufactured in conformity to: <b>Ran full functional test and recertified unit.</b>					
19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 13					
Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.					
15. Authorized Signature:		20. Authorized Signature:		21. Approval/Certificate No:	
				L3ZR029X	
17. Name (Typed or Printed):		22. Name (Typed or Printed):		23. Date (mm/dd/yyyy):	
TOM OLM		TOM OLM		Nov/07/2011	
<b>User/Installer Responsibilities</b>					
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs works in accordance with the national regulations of an airworthiness authority different than 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. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulation by the user/installer before the aircraft may be flown.					

  
**395**  
**229208**  
 T  
 HAM HFU03 16.11.11 16:23  
 Certific. Sticker