



RUSSIAN FEDERATION
MINISTRY OF TRANSPORT OF THE RUSSIAN FEDERATION
FEDERAL AIR TRANSPORTATION AGENCY

AIRWORTHINESS DIRECTIVE

September 30, 2020

№ 2020-FATA-01020A-13

Applicability - RRJ-95 aircraft

State of Manufacturer – Russian Federation

The corrective actions prescribed by this Airworthiness Directive are mandatory. No persons may operate an aircraft to which this Airworthiness Directive applies, except in accordance with the requirements of this Airworthiness Directive.

Based on the results of the research performed by PJSC "VASO" confirmation of the compliance of the main chemical composition of the received titanium semi-finished products alloy BT6ч (OST 1 90013-81) was obtained, as well as compliance of metal structure to the requirements of TY 1814-012-075410017-2006 based on metallographic analysis. Parts made of this alloy are not included in the «List of extra critical parts and extra critical design parameters of aircrafts RRJ-95» №T7.92.0100.001.000.14/P.

According to the results of research by FSUE "VIAM" on semi-finished products made of BT6 and BT6ч, chemical composition, macro and microstructure, mechanical properties comply with industry standard requirements.

Due to a possible change in the aircraft (hereinafter – A/C) configuration (replacement of a component in operation) and in order to ensure the further operation of A/C RRJ-95 MSN 95007-95177 produced in 2011- 2018

PROPOSE:

1. In accordance with technical decision No. № RRJ0000-OR-470-2581/B dd 12.03.2020 (hereinafter – Decision) starting from 01.10.2020 on A/C (MSN 95007-95177) all tasks listed in Table No. 1 of the Decision should be performed in accordance with specified maintenance tasks and frequency.

2. If inconsistencies are found based on the results of the execution of paragraph 1 of this Airworthiness Directive (hereinafter – Directive) – report to Operation and situation center of PJSC "Corporation "Irkut" Regional Aircrafts Branch by email Customercare@ssj.irkut.com.

3. For the main structural elements of AC RRJ-95 to adopt revision of Maintenance Planning Data and Airworthiness Limitation Section according to the requirements and applicability indicated in Table No. 1.

4. To follow the requirements of clause 3 of the Directive until the update of maintenance documentation or other notifications from RRJ-95 A/C Manufacturer.

5. To Alternative consumables for work on of this Directive are presented in IL 00-0094-19 rev. 00.

Note: Applicability indicated in Table No. 1 of the Decision is correlated with Aircraft Inspection Report (AIR) data. In case of changes introduced to the configuration of the A/C mentioned in the Table No. 1 it is necessary to perform the following, but taking into consideration the corresponding AIR data:

1) In case of exchange of A/C components between each other – to perform inspection of the corresponding component and, according to cl. 2 of this Directive, to provide inspection results and indicate A/C MSN.

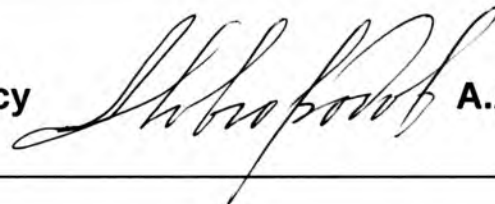
2) In case of replacement of the component – to inform PJSC "Corporation "Irkut" Regional Aircrafts Branch by means of report, according to cl. 2, indicating the name of the component, A/C MSN, date of replacement and provide support documentation confirming component quality installed instead of the other one.

With issuance of Airworthiness Directive No. 2020-FATA-01020A-13 to consider Airworthiness Directive No. 2019-322-01 to be no longer in force.

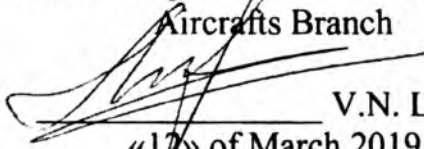
Attachment:

1. Technical Decision No.RRJ0000-OR-470-2581/B on 6 pages in 1 copy.

**Deputy Director
Federal Air Transportation Agency**

 **A.A. Novgorodov**

“APPROVED BY”
 SSJ Program Chief Designer
 PJSC "Corporation "Irkut" Regional
 Aircrafts Branch


 V.N. Lavrov
 «12» of March 2019

TECHNICAL DECISION RRJ0000-OR-470-2581/B

on continued airworthiness of RRJ-95 aircraft due to application of titanium semi-finished products of non-confirmed origin during production of components of RRJ-95 aircraft

In accordance with Technical Decision RRJ0000-OR-470-2581/A cases of application of titanium semi-finished products of non-confirmed origin during production of components of RRJ-95 aircraft have been revealed (Compliance certificates for the metal are not confirmed by the metal Manufacturer - PSC VSMPO-AVISMA Corporation).

Based on the results of the research performed by PJSC "VASO" confirmation of the compliance of the main chemical composition of the received titanium semi-finished products alloy BT6 γ (OST 1 90013-81) was obtained, as well as compliance of metal structure to the requirements of TY 1814-012-075410017-2006 based on metallographic analysis. Parts made of this alloy are not included in the «List of extra critical parts and extra critical design parameters of aircraft RRJ-95» №T7.92.0100.001.000.14/P

According to the results of research by FSUE "VIAM" on semi-finished products made of BT6 and BT6 γ , chemical composition, macro and microstructure, mechanical properties comply with industry standard requirements.

Due to a possible change in the aircraft (hereinafter – A/C) configuration (replacement of a component in operation) and in order to ensure the further operation of A/C RRJ-95 MSN 95007-95177 produced in 2011- 2018 the following has been taken:

DECISION:

1. Due to update of initial maintenance planning data and airworthiness directives according to requirements and criteria stated in Table No. 1, for A/C MSN 95007 – 95177 the following tasks to be performed:
 - 1.1. Detailed Inspection of the Aileron Links IAW AMM 57-60-00-220-801 (see points 1,2,3 and 4 of Table No. 1);
 - 1.2. Internal Detailed Inspection of the Aileron Spar Inboard Section with Hinge 1 And 2 Attachment Points, and the Actuator Attachment Fittings 1 And 2 IAW AMM 57-60-00-220-805 (see point 5 of Table No. 1);

- 1.3. Detailed Inspection of the Aileron Attach Brackets 1, 2, 3, 4 and Actuator Brackets 1, 2 IAW AMM 57-60-00-220-804 (see points 6 and 7 of Table No. 1);
 - 1.4. Zonal Inspection of the Aileron (Zone 590) IAW AMM 17-25-90-210-801 (see point 8 of Table No. 1);
NOTE: Detailed Inspection required.
 - 1.5. Zonal Inspection of the Aileron (Zone 690) IAW AMM 17-26-90-210-801 (see point 8 of Table No. 1);
NOTE: Detailed Inspection required.
 - 1.6. Detailed Inspection of the Aileron Brackets IAW AMM 57-60-00-220-803 IL 57-0058-19 rev.00 (see point 8 of Table No. 1);
 - 1.7. Detailed Inspection of the Attachment Brackets and Actuator Brackets of the Flight Spoilers 1, 2 and 3 IAW AMM 57-71-00-220-803 (see point 9 of Table No. 1);
 - 1.8. Special Detailed Inspection of the Actuator Brackets and the Middle Hinge Fittings of the Flight Spoiler Sections 1, 2, 3 IAW AMM 57-71-00-250-801 (see point 9 of Table No. 1);
 - 1.9. Detailed Inspection of the Left MLG Inboard Door Forks and the Right MLG Inboard Door Forks IAW AMM 17-27-30-210-801 and IAW AMM 17-27-40-210-801 (see point 10 of Table No. 1);
 - 1.10. General Visual Inspection of the MLG Inboard Doors Links Brackets IAW AMM 52-81-00-210-801 (see point 11 of Table No. 1).
2. In case non-conformities are revealed after performance of cl.1 – to report to Operation and situation center of PJSC "Corporation "Irkut" Regional Aircrafts Branch by email Customercare@ssj.irkut.com.
 3. For the main structural elements of RRJ-95 aircraft to adopt revision of Maintenance Planning Data and Airworthiness Limitation Section according to the requirements and applicability indicated in Table No. 1.
 4. To follow the requirements of cl.3 until the update of maintenance documentation or other notifications from RRJ-95 aircraft Manufacturer.
 5. Alternative consumables for performance of tasks specified in this Decision are indicated in IL 00-0094-19 rev. 00.

NOTE: Applicability indicated in Tables No. 1 is correlated with Aircraft Inspection Report (AIR) data. In case of changes introduced to the configuration of the aircraft mentioned in the Table No. 1 it is necessary to perform the following, but taking into consideration the corresponding AIR data:

- 1) In case of interchange of AC components between each other – to perform inspection of the corresponding component and, according to cl. 2, to provide inspection results and indicate AC MSN;

- 2) In case of replacement of the component – to inform PJSC "Corporation "Irkut" Regional Aircrafts Branch by means of report, according to cl. 2, indicating the name of the component, AC MSN, date of replacement and provide support documentation confirming component quality installed instead of the other one.

Upon receipt of the date mentioned above a decision of amendment of Table No. 1 will be taken.

6. With issuance of Technical Decision No. RRJ0000-OR-470-2581/B to consider Technical Decision No. RRJ0000-OR-470-2581/A of Airworthiness Directive No. 2019-322-01 dd 06.02.2019 to be no longer in force.

Attachment: 1) Table No. 1 on 3 pages in 1 copy;

Table No. 1 of RRJ0000-OR-470-2581/B

No.	PART NUMBER ITEM	DESCRIPTION	MPD TASK REFERENCE NUMBER / ATA 04	TASK DESCRIPTION	AMTOSS	TRESHOLD	INTERVAL
AILERON							
1	T7.92.3500.051.000	LINK 1	576000ST-03	EXTERNAL - DETAILED INSPECTION OF THE AILERON LINKS 1 TO 4 AND BOLTS	57-60-00-220-801	3000 FC	1500 FC
2	T7.92.3500.052.001/002	LINK 2	576000ST-03	EXTERNAL - DETAILED INSPECTION OF THE AILERON LINKS 1 TO 4 AND BOLTS	57-60-00-220-801	3000 FC	1500 FC
3	T7.92.3500.053.000	LINK 3	576000ST-03	EXTERNAL - DETAILED INSPECTION OF THE AILERON LINKS 1 TO 4 AND BOLTS	57-60-00-220-801	3000 FC	1500 FC
4	T7.92.3500.054.000	LINK 4	576000ST-03	EXTERNAL - DETAILED INSPECTION OF THE AILERON LINKS 1 TO 4 AND BOLTS	57-60-00-220-801	3000 FC	1500 FC
5	T7.92.3500.056.001/002	AILERON SPAR	576000ST-01	INTERNAL - DETAILED INSPECTION OF THE AILERON SPAR INBOARD SECTION WITH HINGE 1 AND 2 ATTACHMENT POINTS, AND THE ACTUATOR ATTACHMENT FITTINGS 1 AND 2	57-60-00-220-805	6000 FC	6000 FC
6	T7.92.3500.057.001/002	HINGE 3	576000ST-02	EXTERNAL - DETAILED INSPECTION OF THE AILERON SPAR WITH HINGE 1 TO 4 ATTACHMENT POINTS, AND THE ACTUATORS 1 AND 2 ATTACHMENT FITTINGS	57-60-00-220-804	6000 FC	6000 FC
7	T7.92.3500.058.001/002	HINGE 4	576000ST-02	EXTERNAL - DETAILED INSPECTION OF THE AILERON SPAR WITH HINGE 1 TO 4 ATTACHMENT POINTS, AND THE ACTUATORS 1 AND 2 ATTACHMENT FITTINGS	57-60-00-220-804	6000 FC	6000 FC
8	T7.92.3500.109.001/002	BRACKET	590000ZT-01	DETAILED INSPECTION OF THE BRACKET AS A PART OF GENERAL VISUAL INSPECTION (INTERNAL) OF THE LH AILERON (Zone 590)	17-25-90-210-801	3000 FC	1500 FC
			590000ZT-01	DETAILED INSPECTION OF THE BRACKET AS A PART OF GENERAL VISUAL INSPECTION (INTERNAL) OF THE RH AILERON (Zone 690)	17-26-90-210-801	3000 FC	1500 FC
			576000ST-08	DETAILED INSPECTION OF THE BRACKET AS A PART OF THE EXTERNAL - DETAILED INSPECTION OF THE AILERON END RIB FOR DAMAGES	57-60-00-220-803 IL 57-0058-19	3000 FC	3000 FC

No.	PART NUMBER ITEM	DESCRIPTION	MPD TASK REFERENCE NUMBER / ATA	TASK DESCRIPTION	AMTOSS	TRESHOLD	INTERVAL	Applicability (MSN)	NOTE
FLIGHT SPOILER 1, 2, 3									
9	T7.92.3910.131.001/002 T7.92.3920.131.001/002 T7.92.3930.131.001/002	ACTUATOR RIB	577000ST-02	INTERNAL - DETAILED INSPECTION OF ACTUATOR BRACKETS, HINGE AND LINKS OF FLIGHT SPOILER SECTIONS 1, 2 AND 3	57-71-00-220-803	3000 FC; 4500 FH	500 FC; 750 FH		
			AMM 04-12-00, point 97	SPECIAL DETAILED INSPECTION OF THE ACTUATOR BRACKET AND THE MIDDLE ATTACH FITTING OF THE FLIGHT SPOILER SECTION 1	57-71-00-250-801	3000 FC	250 FC	95007-95038	Before SB No. RRJ-57-00072БД
						5000 FC	1000 FC	95007-95038	After SB No. RRJ-57-00072БД
						27000 FC; 35000 FH	2500 FC; 3750 FH	95039-95177	

No.	PART NUMBER ITEM	DESCRIPTION	MPD TASK REFERENCE NUMBER / ATA 04	TASK DESCRIPTION	AMTOSS	TRESHOLD	INTERVAL
MAIN LANDING GEARS AND DOORS							
10	T7.92.0940.111.001/002	FORK	730000ZT-01	GENERAL VISUAL INSPECTION (INTERNAL) OF LH MAIN LANDING GEAR AND DOORS	17-27-30-210-801	750 FH	750 FH
			740000ZT-01	GENERAL VISUAL INSPECTION (INTERNAL) OF RH MAIN LANDING GEAR AND DOORS	17-27-40-210-801	750 FH	750 FH
11	T7.92.0940.121.001/002	BRACKET	321200MT-08	GENERAL VISUAL INSPECTION OF MAIN LANDING GEAR INBOARD DOOR BRACKETS FOR GENERAL CONDITION	52-81-00-210-801	7500 FC	7500 FC