



## Airworthiness Directive

**AD No.:** 2021-0084

**Issued:** 19 March 2021

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 of that Regulation.

This AD is issued in accordance with Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (EU) 1321/2014 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD, unless otherwise specified by the Agency [Regulation (EU) 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [Regulation (EU) 2018/1139, Article 71 exemption].

### Design Approval Holder's Name:

IRKUT CORPORATION JSC

### Type/Model designation(s):

RRJ-95B aeroplanes

**Effective Date:** 02 April 2021

**TCDS Number(s):** EASA.IM.A.176

**Foreign AD:** The Federal Air Transport Agency (FATA) of the Russian Federation AD 2020-FATA-01020A-03 dated 28 February 2020, AD 2020-FATA-01020A-04 dated 11 March 2020, AD 2020-FATA-01020A-15 dated 31 December 2020 and AD 2021-FATA-01020A-01 dated 03 February 2021.

**Replacement:** For affected aeroplanes operated under EU regulation, this AD replaces FATA State of Design AD 2020-FATA-01020A-03, AD 2020-FATA-01020A-04, AD 2020-FATA-01020A-15 and AD 2021-FATA-01020A-01, which are not adopted by EASA.

## ATA 52 – Doors – Entry and Service Doors / Emergency Power Assist System – Operational Check / Inspection / Modification

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### Manufacturer(s):

Irkut Corporation (Irkut) Joint Stock Company (JSC), formerly Sukhoi Civil Aircraft JSC

### Applicability:

RRJ-95B aeroplanes, all serial numbers.

### Definitions:

For the purpose of this AD, the following definitions apply:

**Affected part:** Door arms, having Part Number (P/N) A415406-001 Revision (Rev.) E, P/N A415406-003 Rev. E, P/N A415406-005 Rev. E and P/N A415406-006 Rev. E.

**The modification SB:** Irkut RRJ-95 Service Bulletin (SB) RRJ-52-00485-БД.



**Groups:** Group 1 aeroplanes are those that have an affected part installed. These are known to be RRJ-95 aeroplanes having manufacturer serial number 95007 through 95179 (inclusive), provided they remained in delivery configuration.

Group 2 aeroplanes are those that do not have an affected part installed.

**Reason:**

Occurrences have been reported of incorrect operation of the door emergency sliding system on RRJ-95 aeroplanes, leading to incorrect emergency escape slide deployment. Subsequent investigation determined that insufficient dumping capability of the Emergency Power Assist System (EPAS) during the door opening resulted into twisting the emergency escape slide under the fuselage or positioning it into an inoperable position.

This condition, if not detected and corrected, could lead to failure to deploy the emergency escape slide when required, preventing rapid evacuation, possibly resulting in injury to aeroplane occupants.

To address this potential unsafe condition, FATA issued AD 2020-FATA-01020A-03, later superseded by AD 2020-FATA-01020A-04, AD 2020-FATA-01020A-15 and AD 2021-FATA-01020A-01, requiring repetitive inspections of the affected parts and the EPAS, and, on certain aeroplanes, deactivation of the EPAS. Based on the available information, EASA decided not to adopt FATA AD 2020-FATA-01020A-03, AD 2020-FATA-01020A-04, AD 2020-FATA-01020A-15 and AD 2021-FATA-01020A-01.

For the reason described above, this AD requires repetitive operational checks of the EPAS. This AD also requires modification of the EPAS.

**Required Action(s) and Compliance Time(s):**

Required as indicated, unless accomplished previously:

**Operational Check:**

- (1) For Group 1 aeroplanes: Within 30 days after the effective date of this AD, unless already accomplished within 350 flight hours (FH) or 6 months before the effective date of this AD, whichever occurs first, and thereafter at intervals not to exceed 350 FH or 6 months, whichever occurs first, accomplish an operational check of each EPAS of each entry door and service door. This can be accomplished in accordance with the instructions of Irkut RRJ-95 Aircraft Maintenance Manual (AMM) task 52-11-25-710-801 “Operational Test of the Snubber of the Emergency Power Assist System of the Forward (Aft) Entry Door” and AMM task 52-12-25-710-801 “Operational Test of the Snubber of the Emergency Power Assist System of the Forward (Aft) Service Door”.

**Corrective Action(s):**

- (2) If, during any inspection as required by paragraph (1) of this AD, any discrepancy is detected on the EPAS damper, before next flight, replace the affected EPAS with a serviceable part in accordance with the applicable Irkut maintenance instructions. The replacement can be accomplished in accordance with the instructions of Irkut RRJ-95 AMM task 52-11-15-900-801 “Removal/Installation of the Entry Door Support Arm” and 52-12-15-900-801



“Removal/Installation of the Service Door Support Arm” or in accordance with the instructions of the modification SB.

**Modification:**

- (3) For Group 1 aeroplanes: Within 12 months after the effective date of this AD, modify each affected part in accordance with the instructions of the modification SB.

**Terminating Action:**

- (4) Accomplishment of corrective action(s) on an aeroplane as required by paragraph (2) of this AD does not constitute terminating action for the repetitive operational checks as required by paragraph (1) of this AD for that aeroplane.
- (5) Modification of an aeroplane as required by paragraph (3) of this AD constitutes terminating action for the repetitive operational checks as required by paragraph (1) of this AD for that aeroplane.

**Part Installation:**

- (6) Do not install an affected part on any aeroplane as required by paragraph (6.1) or (6.2) of this AD, as applicable.

(6.1) Group 1 aeroplanes: After modification of the aeroplane as required by paragraph (5) of this AD.

(6.2) Group 2 aeroplanes: From the effective date of this AD.

**Ref. Publications:**

Irkut RRJ-95 SB RRJ-52-00485-БД original issue dated 18 November 2020.

Irkut RRJ-95 AMM task 52-11-25-710-801 “Operational Test of the Snubber of the Emergency Power Assist System of the Forward (Aft) Entry Door ” dated 05 March 2020.

Irkut RRJ-95 AMM task 52-12-25-710-801 “Operational Test of the Snubber of the Emergency Power Assist System of the Forward (Aft) Service Door ” dated 05 March 2020.

Irkut RRJ-95 AMM task 52-11-15-900-801 “Removal/Installation of the Entry Door Support Arm” dated 31 December 2019.

Irkut RRJ-95 AMM task 52-12-15-900-801 “Removal/Installation of the Service Door Support Arm” dated 28 June 2019.

**Remarks:**

1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.
2. This AD was posted on 29 January 2021 as PAD 21-006 for consultation until 26 February 2021. The Comment Response Document can be found in the [EASA Safety Publications Tool](#), in the compressed (zipped) file attached to the record for this AD.



3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu).
4. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this AD, and which may occur, or have occurred on a product, part or appliance not affected by this AD, can be reported to the [EU aviation safety reporting system](#). This may include reporting on the same or similar components, other than those covered by the design to which this AD applies, if the same unsafe condition can exist or may develop on an aircraft with those components installed. Such components may be installed under an FAA Parts Manufacturer Approval (PMA), Supplemental Type Certificate (STC) or other modification.
5. For any question concerning the technical content of the requirements in this AD, please contact: Regional Aircraft – Branch of the Irkut Corporation - Public Company  
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