
TECHNICAL ARRANGEMENT
FOR
THE VALIDATION OF
FEDERAL AIR TRANSPORT AGENCY (RUSSIAN FEDERATION)
DESIGN APPROVALS
BY TRANSPORT CANADA CIVIL AVIATION

Federal Air Transport Agency

By:

A blue ink signature of Mr. Alexander Neradko, consisting of stylized cursive letters.

Mr. Alexander Neradko
Director General

Date: January 23, 2019

Transport Canada Civil Aviation

By:

A blue ink signature of Mr. Nicholas Robinson, featuring a large, flowing 'N' and 'R'.

Mr. Nicholas Robinson
Director General, Civil Aviation (AAR)

Date: January 23, 2019

Revision History			
Revision #	Reason for Update	Pages Amended	Revision Date
Initial Issue	Original version of Technical Arrangement	All	January 23, 2019

Technical Arrangement
For
The Validation of
Federal Air Transport Agency (Russian Federation)
Design Approvals
By Transport Canada Civil Aviation

1.0 PURPOSE

This Technical Arrangement (TA) defines the working procedures between the Federal Air Transport Agency (FATA) and Transport Canada Civil Aviation (TCCA), herein after referred to jointly as the Authorities, to facilitate TCCA validation of FATA design approvals issued to Russian Design Approval Holders, the validation of subsequent design changes, and to address continued airworthiness activities for these design approvals and products for which the Russian Federation is the State of Design.

2.0 OBJECTIVES

This TA is intended to accomplish the following objectives:

- (a) to define the working procedures under the respective responsibilities of each Authority:
 - (i) in supporting the validation process for FATA design approvals requiring issuance of equivalent TCCA validated design approvals; and
 - (ii) the processing of post-validation activities; and
- (b) to minimize redundant inspections, tests, demonstrations, evaluations and approvals.

3.0 COMMUNICATION

- (1) The Department of Certification of Aeronautical Products of FATA and the Standards Branch (AART) of TCCA are responsible for the administration of this TA. The TCCA Standards Branch (AART) will work in conjunction with the TCCA National Aircraft Certification Branch (AARD) and the various TCCA aircraft certification regional offices who have jurisdiction over the TCCA design approvals and their respective design approval holders in Canada.
- (2) All communications between FATA and TCCA related to the activities of this TA will be made in the English language or Russian language accompanied by an English translation. The contact points for FATA and TCCA are provided in Appendix 1 of this TA. Unless otherwise specified, FATA shall be copied on all correspondence between Russian Design Approval Holders and TCCA related to the activities of this TA.
- (3) Any disagreement regarding the interpretation or application of this TA will be resolved by consultation between the FATA and TCCA. Every effort should be made to resolve differences at the technical level. Issues that cannot be satisfactorily resolved at the technical level should be expeditiously raised to the attention of the responsible contact points of FATA and TCCA on a progressive level until an agreement or resolution is reached.

4.0 VALIDATION ACTIVITIES

4.1 General

FATA and TCCA recognize that the holder of the FATA design approval being validated is:

- (a) the primary source for providing technical support to TCCA for the purposes of this TA. When requested, FATA may provide the necessary assistance and support within its regulatory functions and resource capacity; and
- (b) responsible for demonstrating compliance with the TCCA certification basis.

4.2 Certification Basis

- (1) The subject of the TCCA validation process are those FATA design approvals that require the issuance of an equivalent TCCA (validation) design approval.
- (2) The FATA certification basis for each design approval under Russian Aviation Rules, Part-21, 21.27 is defined in the applicable FATA design approval documents and will be specifically provided in support of every application for validation.
- (3) The TCCA certification basis for purposes of the validation of a FATA design approval and issuance of a TCCA validation design approval is the same as that of the FATA design approval document, plus any Additional Technical Conditions (ATCs) notified. TCCA will notify in writing (via any available means of communication, including e-mail) both FATA and Russian Design Approval Holder of any ATCs necessary for the TCCA validation.

4.3 Findings of Compliance

- (1) TCCA will perform its own findings of compliance for the purpose of its validation activity. However, TCCA may elect to recognize or accept findings of compliance by FATA in relation to those requirements for which they have a similar or common interpretation.
- (2) TCCA will determine their level of involvement in consultation with FATA and be guided by one of the primary objectives of this TA, which is to minimize redundant inspections, tests, demonstrations, evaluations and approvals. To the greatest extent practicable, TCCA and FATA may agree on developing a validation work plan that identifies the areas of involvement by TCCA as the Validating Authority.
- (3) TCCA may request assistance from FATA in making findings of compliance for those ATCs identified under paragraph 4.2(3), except those requirements or airworthiness standards where FATA does not have, or has not acquired, sufficient understanding to make a finding of compliance on behalf of TCCA.

4.4 Issuance or Acceptance of Design Approval Document

- (1) Where required, TCCA will issue its validation design approval document corresponding to the FATA design approval once it determines the validated type design complies with the TCCA certification basis established under section 4.2(3). The TCCA approval shall also constitute approval of the applicable aircraft flight manual (AFM).
- (2) Where an equivalent TCCA design approval document is not required to be issued TCCA will communicate the acceptance of the affected FATA design approval to FATA and the design approval holder.

5.0 POST VALIDATION ACTIVITIES

5.1 Design Change Approval:

- (1) FATA shall notify TCCA of certain subsequent design changes to type designs validated and issued a validation design approval document by TCCA. The following design changes are considered to merit notification to TCCA because of its effect on current operating capabilities or build standard of those validated products:
 - (a) Changes to cabin interior configuration;
 - (b) Changes to the approved Limitations Section of the AFM, either as an amendment or as a supplement;
 - (c) Changes involving new or additional aircraft operating configurations not addressed in TCCA's accepted AFM, either as an amendment or as a supplement;
 - (d) Changes resulting in revision or amendment to the approved Airworthiness Limitations section of the Instructions for Continued Airworthiness;
 - (e) Changes that affect Additional Technical Condition(s) identified in the TCCA validation approval document;
 - (f) Changes involving (or affecting) Findings of Equivalent Safety in the FATA certification basis;
 - (g) Changes necessitating the reissuance of TCCA's validation approval document.
- (2) Following the review by TCCA of the design changes notified in paragraph (1) above, TCCA shall advise FATA of either its acceptance of these design changes or its need to conduct validation. Post-validation activities shall continue to be guided by the same objectives of this TA.
- (3) All other design changes approved by FATA on the basis of valid national procedural regulations, and in compliance with the TCCA validation basis as determined by FATA will be considered approved by TCCA.

5.2 Service Documents Approval

- (1) Subject to paragraph 5.1(1) information or instructions such as Service Bulletins or Technical Instructions, and any subsequent changes or revisions thereto, that are approved by the Russian Design Approval Holder will be considered approved by the TCCA.

6.0 CONTINUED AIRWORTHINESS SUPPORT ACTIVITIES

- (1) When the service experience within Canada indicates the existence of a potential unsafe condition associated with the validated design approvals or manufacturing of one of the aeronautical products for which the Russian Federation is the State of Design, TCCA will promptly notify FATA of such information. The FATA Department of Continued Airworthiness and its delegated representatives will promptly analyze this information in coordination with the Design Approval Holder, where appropriate, and will notify TCCA of any action it deems necessary.
- (2) In accordance with ICAO Annex 8, *Airworthiness of Aircraft*, FATA will promptly notify TCCA of any mandatory continuing airworthiness information that FATA has found necessary for the continuing airworthiness and safe operation of the affected aeronautical products.
- (3) FATA, upon request, will assist TCCA in establishing procedures deemed necessary by TCCA for maintaining the continuing airworthiness of those aeronautical products validated or accepted under this TA.

APPENDIX 1 – POINTS OF CONTACT: FATA and TCCA

FATA	TCCA
<p>Administration-related:</p> <p>Director, Department of Certification of Aeronautical Products 37, Leningradsky prospect, 125993, Moscow, Russian Federation</p> <p>Phone: (+7 495) 645-85-55 ext 6701 / 6711 Fax: (+7 499) 231-55-35 E-mail: kirillova_nb@scaa.ru and shumilo_ps@scaa.ru</p> <p>Certification-related:</p> <p>Director, Department of Certification of Aeronautical Products 37, Leningradsky prospect, 125993, Moscow, Russian Federation</p> <p>Phone: (+7 495) 645-85-55 ext 6701 / 6711 Fax: (+7 499) 231-55-35 E-mail: kirillova_nb@scaa.ru and shumilo_ps@scaa.ru</p> <p>Continuing Airworthiness-related:</p> <p>Director, Department of Continued Airworthiness 37, Leningradsky prospect, 125993, Moscow, Russian Federation</p> <p>Phone: (+7 495) 645-85-55 ext 5311 E-mail: rusavia@scaa.ru</p>	<p>Administration-related:</p> <p>National Headquarters Director, Standards (AART) 330 Sparks Street, 2nd Floor Place de Ville, Tower C Ottawa, Ontario, K1A 0N5 Canada</p> <p>Phone: +1 613 991 2738 Fax: +1 613 952 3298 Email: InternationalAviation-AviationInternationale.TC@tc.gc.ca</p> <p>Certification-related:</p> <p>Director, National Aircraft Certification(AARD) 159 Cleopatra Drive Nepean, Ontario, K1A 0N5 Canada</p> <p>Phone: + 1 613 773 8281 Fax: + 1 613 996 9178</p> <p>Continuing Airworthiness-related:</p> <p>Chief, Continuing Airworthiness (AARDG) 159 Cleopatra Drive Nepean, Ontario, K1A 0N5 Canada</p> <p>Phone: + 1 613 773 8291 Fax: + 1 613 996 9178 E-mail: CAWWEBFeedback@tc.gc.ca</p>