



Advisory Circular

Civil Aviation Administration of China
Aircraft Airworthiness Certification Department

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The Guidance for Obtaining Foreign Acceptance or Validation of Civil Aeronautical Products and Articles Design Approval

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1. General

1.1 Purpose

This Advisory Circular (AC) provides guidance on obtaining a foreign acceptance or validation of civil aeronautical product and article which has been received or applied for a CAAC design approval.

1.2 Basis

This AC is formulated under the authority of the following documents:

- (1) International Civil Aviation Organization, Convention on International Civil Aviation Annex 8, Airworthiness of Aircraft.
- (2) China Civil Aviation Regulation, Certification Procedures for Civil Aeronautical Products and Parts (CCAR-21)
- (3) Advisory Circular, Formulation Procedures and Protocols of Bilateral Airworthiness Agreement and Memorandum of Understanding for Technical Cooperation in the Field of Civil Aviation Safety (AC-00-01)

1.3 Applicability

This AC prescribes circumstances of applicants or holders of Type Certificate (TC), Type Design Approval (TDA), Supplemental Type Certificate (STC), Modification Design Approval (MDA), Chinese Technical Standard Order Authorization (CTSOA) or Parts Manufacturer Approval (PMA), according to requirements in Bilateral Airworthiness Agreement documents on civil aeronautical products or articles by Civil Aviation Administration of China (CAAC) and Importing Civil Aviation Authority (CAA), obtaining the Importing State acceptance or validation for the relevant civil aeronautical products or articles design approval.

2. General Method for Civil Aeronautical Products and Articles to Obtain the Importing State Acceptance or Validation of Design Approval
 - 2.1 Applicants of Importing State acceptance or validation for the civil aeronautical products or articles design approval shall be applicants or holders of TC, TDA, STC, MDA, CTSOA or PMA of the CAAC.
 - 2.2 Applicants need to understand and be familiar with requirements in Bilateral Airworthiness Agreement document between CAAC and Importing State CAA. Bilateral Airworthiness Agreement documents between CAAC and Importing State CAA are listed in Civil Aviation Administration of China website under "Government Public information" "Openness Rules" (http://sqgk.caac.gov.cn/index.htm?lassUrl=/list_guiding.htm) "Bilateral Agreement" "Airworthiness Agreement".
 - 2.3 Applicants, through Bilateral Airworthiness Agreement documents between CAAC and Importing State CAA or consulting with CAAC Aircraft Airworthiness Certification Department (AAD), to understand Importing State CAA airworthiness standards, environmental protection requirements and other technical requirements, and to identify differences from CAAC airworthiness standards, environmental requirements and technical standard, in order to clear and definite additional airworthiness standards, environmental protection requirements or other technical requirements related to the civil aeronautical products or articles.
 - 2.4 Applicants need to prepare relevant application package and pay the relevant fees in accordance with the requirements of the Importing State CAA. Application package need to be determined in accordance with the Bilateral Airworthiness Agreement documents between CAAC and Importing State CAA, basing on applicability, usually including, but not limited to:

- (1) A letter from Applicants to CAAC to request services for the relevant civil aeronautical products or articles obtaining specific Importing State acceptance or validation of design approval (including information of relevant accountable person and contact).
- (2) The letter from Applicants to the Importing State CAA on the relevant civil aeronautical products or articles apply for the Importing State acceptance or validation of design approval and the submitted application forms and information required by the Exporting State CAA.
- (3) The date expected to obtain the Importing State acceptance or validation of design approval and information related to the Importing State specific customer including the delivery plan.
- (4) CAAC type certification basis of the civil aeronautical products or articles (including applicable airworthiness standards and environmental protection requirements, special conditions, exemptions and equivalent level of safety findings, etc.) or design specification (minimum performance) requirements, usually the relevant information of CAAC design approval certificate and data sheets (if any) should be provided.
- (5) If applicable, the differences from the Importing State CAA airworthiness standards, environmental protection requirements, and other technical requirements, as well as the corresponding compliance information should be provided.
- (6) Information related to civil aeronautical products or articles, as applicable, including, but not limited to:
 - a) For an aircraft.
 - i) Three-view drawing (exterior configuration).
 - ii) General interior arrangement configuration drawings.

- iii) Master drawing list or Type Design Definition document or equivalent documentation.
 - iv) Master minimum equipment list.
 - v) Flight Manual (including the Configuration Deviation List, if applicable).
 - vi) Certification compliance documents list (e.g., compliance checklist).
 - vii) Mandatory airworthiness information (Airworthiness Directive).
 - viii) Service information and Instructions for Continued Airworthiness.
- b) For an aircraft engine.
- i) Cross-section arrangement drawing.
 - ii) Master drawing list or Type Design Definition document or equivalent documentation.
 - iii) Operating manual.
 - iv) Installation manual.
 - v) Certification compliance documents list (e.g., compliance checklist).
 - vi) Mandatory airworthiness information (Airworthiness Directive).
 - vii) Service information and Instructions for Continued Airworthiness.
- c) For a propeller.
- i) General arrangement drawings and model description.
 - ii) Master drawing list or Type Design Definition document or equivalent documentation.
 - iii) Operating manual.

- iv) Installation manual.
 - v) Certification compliance documents list (e.g., compliance checklist).
 - vi) Mandatory airworthiness information (Airworthiness Directive).
 - vii) Service information and Instructions for Continued Airworthiness.
- d) Design change of a civil aeronautical product or PMA part.
- i) A description of the design change.
 - ii) Master drawing list or Type Design Definition document or equivalent documentation.
 - iii) Installation instruction.
 - iv) Flight Manual supplement.
 - v) Maintenance manual supplements.
 - vi) Weight and Balance data.
 - vii) Certification compliance documents list (e.g., compliance checklist).
 - viii) Mandatory airworthiness information (Airworthiness Directive).
 - ix) Service information and Instructions for Continued Airworthiness.
- e) CTSOA Appliance.
- i) A statement of compliance to Technical Standard Order of Importing State.
 - ii) Operating manual.
 - iii) Installation manual.
 - iv) Mandatory airworthiness information

(Airworthiness Directive).

- v) Service information and Instructions for Continued Airworthiness.

2.5 Applicants shall submit the application package according to the following requirements.

2.5.1 Applicants shall submit the application package to the local CAAC Regional Administration.

2.5.2 The CAAC Regional Administration reviews the application package, inspects and verifies the correctness and validity of information and data regarding relevant airworthiness certification. When the application package is considered complies with Bilateral Airworthiness Agreement documents between CAAC and Importing State CAA, it will be forwarded to CAAC AAD.

2.5.3 CAAC AAD is responsible for submitting the application package to the Importing State CAA.

2.6 Familiarization Meetings

In accordance with the needs of the Importing State CAA, CAAC AAD will arrange the applicant, Importing State CAA, CAAC and CAAC Regional Administration to attend familiarization meetings, helping the Importing State CAA understand design, design approval and continued airworthiness of civil aeronautical products or articles. Typical familiarization meetings include, but are not limited to:

- (1) Brief introduction of civil aeronautical products or articles design.
- (2) Brief introduction of civil aeronautical products or articles design approval.
- (3) Brief introduction of design changes and mandatory airworthiness information (Airworthiness Directives) and service conditions of civil aeronautical products or articles.
- (4) Answers to questions proposed by the Importing State CAA

about the civil aeronautical products or articles design, design approval and continued airworthiness.

2.7 Technical Meetings

In accordance with the needs of the Importing State CAA, CAAC AAD will arrange the applicant, Importing State CAA, CAAC and CAAC Regional Administration to attend technical meetings, determining solutions in respect of specific technical issues (for example, compliance plan of additional technical requirements proposed by the Importing State CAA regarding civil aeronautical products or articles).

2.8 Other supports

In addition to familiarization meetings and technical meetings, other supports requested by Importing State CAA, usually can be realized through phone or email. At this time, the relevant information or data shall be provided to the Importing State through CAAC AAD or designated CAAC Regional Administration. Under special circumstances, arranged by CAAC AAD, the applicant can directly provide the information or data requested by Importing State CAA, at the same time informing CAAC AAD of the information or data provided.

Note: the applicant shall be responsible for the necessary national approval of the information and data export.

2.9 Acceptance or Validation

The Importing State CAA usually accepts or validates the design approval of CAAC for the civil aeronautical products or articles by issuing "Type Acceptance" or "Validation of type certificates". When issuing "Type Acceptance", the Importing State CAA usually fully acknowledge and accept the CAAC design approval of civil aeronautical products or articles. When issuing "Validation of type certificates", the Importing State CAA acknowledge and accept CAAC design approval of the civil aeronautical products or articles and at the same time,

usually propose additional technical requirements that should be met regarding the civil aeronautical products or articles, and recognize and accept, to the maximum extent, the conclusions by CAAC regarding whether civil aeronautical products or articles meet these additional technical requirements. At this time, as requested by the Importing State CAA, the applicant might need to submit the following information or data to the Importing State CAA according to requirements in paragraph 2.8:

- (1) Test plans and test reports necessary to support the Importing State CAA to make findings of compliance.
- (2) Calculation and analysis necessary to support the Importing State CAA to make findings of compliance.
- (3) Relevant design data of the civil aeronautical products or articles regarding the above two.

Note: when the Importing State CAA make acceptance or validation conclusion, it is usually required that the design approval of the civil aeronautical products or articles have been obtained from CAAC.

3. Supplementary articles

CAAC AAD is responsible for the interpretation of this Advisory circular.