



# Advisory Circular

**TCAA-AC-AWS021B**

**March 2014**

## **ACCEPTANCE OF FOREIGN AIRWORTHINESS CODE FOR TYPE CERTIFICATE AND DATA SHEET**

### **1.0 PURPOSE**

- 1.1 This Advisory Circular (AC) provides guidance and procedures for the acceptance of a type certificate or equivalent document issued by a state of design/manufacture in respect of an aircraft or aircraft component if-
- a) the type certificate or equivalent document was issued based on an airworthiness code recognised by the Authority; or
  - b) the design, materials, construction equipment, performance and maintenance of aircraft or aircraft component technical evaluation against a recognised airworthiness code has been carried out by the Authority and has been found to:-
    - (i) meet the required standards of the recognised airworthiness code; or
    - (ii) has complied with any recommendations required by the Authority
- 1.2 Upon acceptance of the type certificate by the Authority, the Authority may, prior to issue of certificate of airworthiness or restricted certificate of airworthiness, may require the applicant to comply with any additional requirements as prescribed by the Authority.

### **2.0 REFERENCE**

- (i) Regulation 4 of the Civil Aviation (Airworthiness) Regulations
- (ii) Paragraph 4.3.8 of the ICAO Doc 9760 (Airworthiness Manual)

### **3.0 DEFINITION**

#### **3.1 *Airworthiness Code***

The recognised airworthiness code means standards relating to the design, materials, construction equipment, performance and maintenance of aircraft or aircraft component issued by the States of Design and accepted by the Authority.

#### **3.2 *Type Certificate***

3.2.1 A Type Certificate, is awarded by aviation regulating bodies to aerospace manufacturers after it has been established that the particular design of a civil aircraft, engine, or propeller has fulfilled the regulating bodies' current prevailing airworthiness requirements for the safe conduct of flights under all normally conceivable conditions (military types are usually exempted). Aircraft produced under a type certified design are issued with a Standard Airworthiness Certificate.

3.2.2 A Type Certificate (TC) is a design approval issued by the Civil Aviation Authority (CAA) of a given country (such as the US FAA and EU EASA) when the applicant demonstrates that a product

complies with the applicable regulations. The TC normally includes the type design, the operating limitations, the Type Certificate Data Sheet (TCDS), the applicable regulations, and other conditions or limitations prescribed by the CAA. The TC is the foundation for other approvals, including production and airworthiness approvals. TC's are normally issued for aircraft, engines and propellers.

## 4.0 GUIDANCE AND PROCEDURES

### 4.1 General Information

4.1.1 Acceptance of foreign airworthiness code for aircraft Type Certificates or equivalent documents from recognised countries has been instituted by many states. This Advisory Circular deals with the procedures for acceptance of a Type Certificate or equivalent documents issued by the National Airworthiness Authority (NAA) of a recognised country.

4.1.2 Recognised countries or authorities for the purpose of type certificates is a state (ICAO contracting or not) where the NAA has been found to have a comprehensive code of Airworthiness certification and oversight.

4.1.3 In compliance with Regulation 4 (3) of the Civil Aviation [Airworthiness] Regulations, the following list of States of Design, with their NAA and Code of Airworthiness are acceptable to the Authority as the basis for aircraft registration and issuance of C of A. *However any other states may require an in-depth evaluation.*

- (i) USA [FAA-FARs]
- (ii) UK [CAA-BCARs]
- (iii) Canada [TCCA-CARs]
- (iv) Australia [CASA-CASRs] and
- (v) Brazil [ANAC-RBAC]

4.1.4 An aircraft type that is the subject to a TC issued by the European Aviation Safety Agency [EASA] is also eligible for acceptance.

4.1.5 Some earlier type certification documents issued by these countries were named "Type Approval Certificate", "Certificate of Type Approval", "Fiche de Navigabilite" etc

4.1.6 The foreign Authorities that issued the accepted original Type Certificate or equivalent document shall have the airworthiness control of the aircraft listed on the type certificate.

***Note: The accepted code shall not apply to any situation where the recognised country (Authority) has issued a Type Acceptance Certificate or similar document on the basis of another country that has issued a Type Certificate.***

### 4.2 Certificate of Airworthiness Categories

4.2.1 The Type Certificates accepted shall enable the Authority to issue;

- (a) a certificate of airworthiness;
- (b) a restricted certificate of airworthiness in the form of a restricted certificate;
- (c) a special flight permit; and
- (d) Export certificate of airworthiness in one or more of the following categories:
  - (i) commercial air transport (passenger);
  - (ii) commercial air transport (cargo);
  - (iii) general aviation; or
  - (iv) aerial work.

Certificate of Airworthiness should usually be issued in the same category available under the Type Certificate, subject to a review by the Authority of the Airworthiness Certification Code (basis), including any special conditions, waivers, exemptions, equivalent safety determinations etc. made by the Authority.

## **5.0 APPLICATION FOR A TYPE CERTIFICATE ACCEPTANCE**

### **5.1 Who may apply**

- a) Holder of the original Type Certificate or
- b) Persons may apply for a Type Certificate Acceptance in respect of a type certificated aircraft, certificated by a recognised country.
- c) Where the Type Certificate is issued in respect of the aircraft type itself. There is no certificate holder.

### **5.2 Aircraft type details**

The application should state exactly which models are to be included on the Type Certificate. These models must be included on the foreign Type Certificate. Each model included on the Type Acceptance Certificate must be covered by the data requirements of paragraph 5.4.

### **5.3 Supply of data**

5.3.1 The data, listed in Appendix A, supporting the application should be supplied at the time of application, or, if it is not available at that time, a covering letter should be supplied giving the reasons and details of when the data will be available.

5.3.2 If the application relates to a variant of an aircraft type for which there is already a Type Acceptance Certificate in force, then only data peculiar to the variant need be supplied. The Type Acceptance Certificate should be amended to include the new variant.

### **5.4 Supply of continuing airworthiness data**

5.4.1 An inherent requirement of type acceptance is the continued airworthiness support of the aircraft and components in the form of service bulletins and other instructions, amendments to documents, and foreign airworthiness directives etc.

5.4.2 The applicant must arrange and submit to the 'Authority' an undertaking from the holder of the foreign Type Certificate to continue to supply to the 'Authority' those items listed in Appendix A.

5.4.3 The Authority should arrange with the nominated NAA for the supply of airworthiness directives issued by that NAA for the type of aircraft concerned.

## **6.0 CONDITIONS, DENIAL, SUSPENSION OR CANCELLATION**

### **6.1 Acceptance of Type Certificate subject to conditions**

6.1.1 The Authority may, under the relevant regulation, Accept Type Certificate subject to a condition, if there are reasonable safety conditions, provided the condition is substantially the same as a condition imposed by the NAA of a recognised country on the corresponding foreign Type certificate.

6.1.2 The Authority may also Accept a Type Certificate subject to other conditions, provided there are safety conditions for believing that accepting the certificate without imposing conditions or taking other measures would constitute a significant threat to aviation safety.

## **6.2 Refusal of Acceptance of Type Certificate**

Note that Authority may, refuse to issue a Type Accept a Type Certificate if there are reasonable safety conditions not to do so.

## **6.3 Suspension or cancellation of Accepted Type Certificate**

The Authority may suspend or cancel an Accepted Type Certificate if it considers that it is necessary to do so in the interests of aviation safety. An inability on the part of the foreign Type Certificate holder to provide ongoing technical support for the aircraft type may constitute grounds for such suspension or cancellation.

## **6.4 Consultation**

The Authority should consult with and consider the views of, the applicant, the NAA that issued the Type Certificate, and the manufacture design organization before suspension or cancellation of Type Certificate.

## **7.0 AGEING AIRCRAFT**

The applicant should be aware that before a C of A can be issued to such an aircraft, the Authority may require additional data related to the aircraft history, structural integrity programs, supplementary inspections etc. Refer to Certificates of Airworthiness categories.



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**Tanzania Civil Aviation Authority**

## **Appendix to the Advisory Circular**

### **TECHNICAL INFORMATION/DATA REQUIRED FOR TYPE CERTIFICATE, BUT NOT LIMITED TO**

#### **1. AIRCRAFT.**

- a) A statement of the applicable design certification standards.
- b) General interior arrangement configuration drawings.
- c) Three-view drawing exterior configuration).
- d) Master drawing list.
- e) Master equipment list.
- f) Aircraft Flight Manual including the Configuration Deviation List, if applicable.
- g) Instructions for Continued Airworthiness.
- h) Certification compliance (checklist).
- i) Data and descriptive information needed by the Authority to approve the type certificate data sheet.
- j) Listing of service life for critical parts subject to fatigue, if this information is not provided elsewhere in the above data.

#### **2. AIRCRAFT ENGINES.**

- a) Cross-Section arrangement drawing.
- b) Master drawing list.
- c) Instructions for Continued Airworthiness.
- d) Operating manual.
- e) Installation manual.
- f) Certification compliance (checklist).
- g) Data and descriptive information needed by the Authority to prepare the type certificate data sheet.
- h) Listing of service life for critical parts subject to fatigue, if this information is not provided elsewhere in the above data.

#### **3. PROPELLERS.**

- a) General arrangement drawings and model description.
- b) Master drawing list.
- c) Installation manual.
- d) Instructions for Continued Airworthiness.
- e) Operating manual.
- f) Certification compliance (checklist).
- g) Data and descriptive information needed by the Authority to prepare the type certificate data sheet.
- h) Listing of service life for critical parts subject to fatigue, if this information is not provided elsewhere in the above data.

#### **4. TYPE CERTIFICATION CHECKLIST**

- a) Resolution of all technical issues.
- b) A statement from the Authority certifying compliance with the type certification basis or agreed certification criteria (including additional technical conditions).
- c) Compliance checklist.
- d) Instructions for Continued Airworthiness or Airworthiness Limitations.
- e) Draft Aircraft Flight Manual.
- f) Draft Type Certificate Data Sheet.

- g) Noise Evaluation Statement (not required for amended TCs). To be provided by the 'Authority'
- h) Dates established for Authority issuance of type certificate and delivery of first aircraft.