

# NEPALESE CIVIL AIRWORTHINESS REQUIREMENTS

## SECTION B

### AIRWORTHINESS CERTIFICATION

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CHAPTER B.1

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#### TYPE CERTIFICATES

## 1. INTRODUCTION

- 1.1 Before a Nepalese Certificate of Airworthiness may be granted to an aircraft, the aircraft must have been issued a Type Acceptance Certificate by the Director General.
- 1.2 This Chapter establishes the procedure for issuing Type Acceptance Certificates (TAC) for products with foreign type certificates and for issuing Noise Certificates.
- 1.3 The Type Acceptance Certificate has no holder as such. The Type Acceptance Certificate is issued to recognise a foreign Type Certificate in Nepal. Once a Type Acceptance Certificate is issued, any subsequent aircraft of that type may enter Nepal without going through the type acceptance process.  
All aircraft must go through the entry process for the first issue of a Certificate of Airworthiness.  
Acceptance of the aircraft's Type Certificate will imply acceptance of the associated engine and/or propeller type certificate.
- 1.4 The Type Certificate is considered to include the type design, the operating limitations, the Type Certificate Data Sheet for airworthiness and emissions, the applicable type-certification basis and environmental protection requirements with which the State of Design records compliance, and any other conditions or limitations prescribed for the product in the applicable certification specifications and environmental protection requirements. The aircraft Type Certificate, in addition may include the Type Certificate Data Sheet for noise. The engine Type Certificate Data Sheet includes the record of emission compliance.

## 2. ACCEPTANCE OF A TYPE CERTIFICATE

- 2.1 The following foreign Type Certificates may be accepted by the CAA for issuing a Type Acceptance Certificate:
- (a) a Type Certificate issued by the EASA
  - (b) a Type Certificate issued by the FAA
  - (c) a Type Certificate accepted by EASA
  - (d) a Type Certificate accepted by FAA
  - (e) a Type Certificate issued by an ICAO Contracting State Authority other than above, if the Design Approval Holder of the product can effectively demonstrate to be equivalent to (a) or (b) above, to the satisfaction of the Director General.

# NEPALESE CIVIL AIRWORTHINESS REQUIREMENTS

## SECTION B

### AIRWORTHINESS CERTIFICATION

---

#### 3. ELIGIBILITY

- 3.1 Any holder of a Type Design Certificate or a legal entity who wishes to register an aircraft of such type, design, model or variant in whose respect no Type Acceptance Certificate has been issued by the Director General, shall be eligible as an applicant for the issue of a Nepalese Type Acceptance Certificate in respect of such aircraft.

#### 4. APPLICATION

- 4.1 The application should be made on Form B.1.1 "Application for Issue of Type Acceptance Certificate of Aircraft" shown in Appendix-1 of this Chapter B.1.
- 4.2 The application should be accompanied with:
- (a) A copy of the Type Certificate issued or accepted as in Para 2.
  - (b) A copy of the applicable Type Certificate Data Sheet
  - (c) A three view drawing of the aircraft and any other drawings necessary to define the aircraft.
  - (d) A copy of the Type Certificate Data Sheet for noise (if Applicable)
  - (e) Details of any airworthiness requirement not complied with is compensated for by a factor that provides an equivalent level of safety.
  - (f) Details of any Supplemental Type Certificates held by the Design Approval Holder related to the original Type Certificate;
  - (g) Design document demonstrating the provision of least-risk bomb location, for aeroplane of a maximum certificated take-off mass in excess of 45,000 kg or with a passenger seating capacity greater than 60.
  - (h) For aeroplanes, which are required by the Director General to have approved flight crew compartment door, for which an application for the issue of a Type Certificate was first submitted to the appropriate national authority on or after 20 May 2006, evidence that the flight crew compartment bulkheads, floors and ceilings are designed to resist penetration by small arms fire and grenade shrapnel and resist forcible intrusion, if these areas are accessible in flight to passengers and cabin crew.
  - (i) For aeroplanes of a maximum certificated take-off mass in excess of 45,500 kg or with a passenger seating capacity greater than 60, evidence of design considerations given to deter the easy concealment of weapons, explosives or other dangerous objects on board aircraft and that will facilitate search procedures for such objects.
  - (j) A copy of the flight manual that contains all the available options applicable to the type, and that was approved by the National Aviation Authority that issued the Type Certificate.

# NEPALESE CIVIL AIRWORTHINESS REQUIREMENTS

## SECTION B

### AIRWORTHINESS CERTIFICATION

---

- (k) A copy of the parts catalogue for the aircraft to illustrate general arrangement drawings of the main assemblies of the structure, systems and components.
  - (l) A copy of the manufacturer's instructions for continued airworthiness of the aircraft in English, that includes the State of Design and the manufacturer supplied maintenance data;
  - (m) A list of documents which identifies all technical publications of State of Manufacture and manufacturers of aircraft, engine and vendor component (as far as possible) as well as one copy of all such publications in English to support the continuing airworthiness of the aircraft
  - (n) an undertaking from the holder of the foreign Type Certificate to continue to supply CAA Nepal at no charge, service bulletins and instructions for the continuing airworthiness of aircraft of that type and any amendments of the documents mentioned in subparagraphs (k),(l) and (m).
  - (o) a copy of voucher against payment of the appropriate fee prescribed by Civil Aviation Regulations for the issuance of Type Acceptance Certificate
  - (p) Any other relevant documents required by the Director General.
- 4.3 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 needs to be supplied. The Type Acceptance Certificate will be amended to include the new variant. The applicant shall provide maintenance and flight crew type training relevant to the changes in Type Acceptance Certificate, to a CAA Nepal Inspector.
- 4.4 The application form should state exactly which models are to be included on the Type Acceptance Certificate.
- (a) These models must be included on the foreign Type Certificate.
  - (b) The data requirements specified in NCAR Chapter B1 Para 4.2 must be met for each model included on the Type Acceptance Certificate.

## 5. FORM OF TYPE ACCEPTANCE CERTIFICATE

- 5.1 Where a Type Acceptance Certificate is issued, it shall be in a Form B.1.2 as shown in Appendix-2 to this Chapter B.1.
- 5.2 A new Type Acceptance Certificate may be issued when the original Type Certificate is amended under applicable regulations of the State of Design.

## 6. SUSPENSION OR CANCELLATION OF A TYPE ACCEPTANCE CERTIFICATE

- 6.1 The Director General may suspend or cancel a Type Acceptance Certificate if he 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.

# NEPALESE CIVIL AIRWORTHINESS REQUIREMENTS

## SECTION B

### AIRWORTHINESS CERTIFICATION

---

#### 7. ISSUE OF NOISE CERTIFICATE

All aircraft operating in international routes shall have on board a Noise Certificate issued by the Director General, Nepal. A Noise Certificate shall be issued in accordance with these procedures.

7.1 An application for the issue of a noise certificate shall be made in Form B.1.3 given in Appendix-3 of this Chapter.

7.2 Each application shall include:

- (a) Evidence of supporting documents, which may include one of the following:
  - i) a noise certificate issued by the State of Design/Manufacture; or
  - ii) a noise certificate issued by the original equipment manufacturer (OEM); or
  - iii) a statement made in the aircraft flight manual or equivalent that the aircraft conforms to the applicable noise standard and the associated noise data in the aircraft flight manual; or
  - iv) a statement made in the type certificate that the aircraft conforms to the applicable noise standards and the associated noise data in the type certificate data sheet for noise.
- (b) Historical records to establish the production, modification, and maintenance standard of the aircraft.

7.3 CAA Nepal shall issue a noise certificate:

- a) Upon presentation of the documents required by 7.2 above in Form B.1.4 shown in Appendix-4 of this Chapter; and
- b) When satisfied that the aircraft complied with relevant noise standards that are at least equal to the applicable standards specified in Annex 16, Volume I, Part II.

7.4 A noise certificate may be amended or modified only by the Director General, Nepal.

7.5 The holder of the noise certificate shall provide access to the aircraft for which that noise certificate has been issued upon request by CAA Nepal for inspection.

7.6 A noise certificate shall be issued for an unlimited duration and shall remain valid subject to:

- (a) compliance with the applicable type-design, environmental protection and continuing airworthiness requirements; and
- (b) the aircraft remaining on the Nepalese Civil Aircraft Register; and
- (c) the Type Acceptance Certificate under which it is issued not being previously invalidated under paragraph 6 of this Chapter;
- (d) the certificate not being surrendered or revoked by CAA Nepal.

7.7 Upon surrender or revocation, the certificate shall be returned to CAA Nepal.

**Civil Aviation Authority of Nepal**

# CIVIL AVIATION AUTHORITY OF NEPAL

Form B.1.1

Appendix-1

## APPLICATION FOR ISSUE OF TYPE ACCEPTANCE CERTIFICATE

### PART A – APPLICANT DETAILS

- 1) Name (in full): .....
- 2) Organisation: .....
- 3) Contact details:  
Phone: ..... Mobile: .....  
Facsimile: ..... Email: .....
4. Postal address: .....  
.....

### PART B – AIRCRAFT DESCRIPTION

5. Aircraft Details  
Type Certificate holder: .....  
Type Certificate Number ..... Aircraft Type / Model: .....  
Aircraft Manufacturer: .....  
Country of Manufacture: .....  
Country which issued the Type Certificate .....
6. Identify the aircraft category to be nominated on the TAC  
Transport (Passenger)       Transport (Cargo)       Private   
Aerial Work       Special       Training   
Sport   
Special (please specify): .....
7. Identify models to be included in the TAC: .....

### PART C - DECLARATION

I declare that the information provided in this application is true and correct.

Name: .....

Signature: .....

Date: .....

### PART D – APPLICATION SUBMISSION

Submit the completed application with all supporting documents to:

Flight Safety Standards Department,  
Civil Aviation Authority of Nepal, Kathmandu

After reviewing your application CAA Nepal will advise you if any additional information is required.

*(Read instructions on the reverse of the page)*

# CIVIL AVIATION AUTHORITY OF NEPAL

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## INSTRUCTIONS FOR COMPLETING APPLICATION FORM

Complete this form if you are:

- 1) Seeking a Type Acceptance Certificate (TAC) for a Type Certificate issued by a NAA other than CAAN, or
- 2) Seeking an amendment of a Type Acceptance Certificate to add another model of the aircraft type.

This application is in four parts as shown below and should be completed accordingly as instructed.

### **Part A - Applicant's Details**

The name, address and contact details should be adequate for enquiries from CAA Nepal about the aircraft type and model nominated on the application. The address should also be suitable for CAA Nepal to send an estimate of the cost to issue the Type Acceptance Certificate.

### **Part B - Aircraft Description**

You must nominate a foreign Type Certificate issued in accordance with paragraph 2 of NCAR Chapter B.1.

You must also support your application by supplying all documents and information required by paragraph 4.2 of NCAR Chapter B.1 in print form.

When the nominated Type Certificate is one that has not been issued or accepted by FAA or EASA condition stipulated in paragraph 2(e) of NCAR Chapter B.1 must also be fulfilled.

You must nominate the aircraft category or categories in which you want Nepalese Certificates of Airworthiness to be issued. This is defined in NCAR Chapter A.4.

### **Part C - Applicant's Declaration**

By signing the Declaration, you indicate to CAA Nepal that you have read the guidelines, completed the application in full, and accept the terms and conditions for processing your application. This application must be signed by all the applicant(s).

### **Part D - Submitting your application**

This section provides information for submitting your application.

**CIVIL AVIATION AUTHORITY OF NEPAL**

**Form B.1.2**

**Appendix-2**

Certificate Number: .....

**TYPE ACCEPTANCE CERTIFICATE**

Pursuant to the Nepalese Civil Aviation Rules 2002 (2058 B.S.) and conditions specified in Chapter B.1 (Type Certificate) of the Nepalese Civil Airworthiness Requirements, this certifies acceptance of the

.....  
(TC holder name)

..... aeroplane / rotorcraft  
(Aircraft type, model)

Aircraft of the type and model/s covered by this certificate are eligible for Nepalese Certificate of Airworthiness in .....category.

This Certificate is valid until suspended or cancelled by the Civil Aviation Authority of Nepal. The basis of certification is as prescribed in Type Certificate Data Sheet No.....

issued by .....

Date of issue

For the Director General

# CIVIL AVIATION AUTHORITY OF NEPAL

Form B.1.3

Appendix-3

## APPLICATION FOR ISSUE OF NOISE CERTIFICATE

The application for the issue of an aircraft noise certificate should include the following information:

1. Aircraft Registration.....
2. Name of aircraft owner and owner's address.....
3. Contact information of aircraft owner (telephone number and e-mail address, etc.)  
.....  
.....
4. Aircraft details
  - a) Aircraft manufacturer.....
  - b) Aircraft type and model.....
  - c) Aircraft serial number.....
  - d) Aircraft category.....
5. Engines details
  - a) Engines type and model.....
  - b) Engine(s) serial number(s).....
6. Other details
  - a) Maximum take-off mass (kg).....
  - b) Maximum taxiing mass (kg).....
7. Basis of noise certification for this application.....
8. Description of documents submitted to support application.....  
.....  
.....
9. Declaration by person making application
  - a) "I declare that the information provided herein and documents submitted with this application are true in every respect."

.....  
Name Designation

Signature

.....  
Date.....

*Note.— This application must be accompanied by all necessary supporting documents.*



# CIVIL AVIATION AUTHORITY OF NEPAL

**Form B.1.4**

**Appendix -4**

	1. <b>CIVIL AVIATION AUTHORITY OF NEPAL</b>	3. Certificate No
2. <b>NOISE CERTIFICATE</b>		
4. Nationality and Registration Marks	5. Manufacturer and manufacturer's designation of aircraft:	6. Aircraft Serial Number
7. Engine	8. Propeller*:	
9. Maximum take-off mass: kg	10. Maximum landing mass*: kg	11. Noise certification standard:
12. Additional modifications incorporated for the purpose of compliance with the applicable noise certification Standards:		
13. Lateral/full-power noise level*:	14. Approach noise level*:	15. Flyover noise level*:
16. Over flight noise level*:	17. Take-off noise level*:	
18. This noise certificate is issued pursuant to Volume I of Annex 16 to the convention on International Civil Aviation, in respect of the above-mentioned aircrafts, which is considered to comply with the indicated noise Standard when maintained and operated in accordance with the relevant requirements and operating limitations.		
19. Date of issue.....	20. Signature.....	

\* These boxes may be omitted depending on the noise certification Standard.

# CIVIL AVIATION AUTHORITY OF NEPAL

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## INSTRUCTIONS FOR COMPLETING NOISE CERTIFICATE

All information items in blocks are numbered and should be completed with relevant information as indicated below:

- Item 1*      *Name of State* issuing the noise certification documentation as in the certificate of registration and the certificate of airworthiness.
- Item 2*      *Title of the noise document* "noise certificate", or any other title that the State of Registry uses in its administrative system.
- Item 3*      *Number of the document* A unique number, issued to identify this particular document.
- Item 4*      *Nationality and registration marks* of the aircraft the certificate is related to.
- Item 5*      *Manufacturer and manufacturer's designation of aircraft* - The type and model of the subject aircraft.
- Item 6*      *Aircraft serial number*- The aircraft serial number as given by the manufacturer of the aircraft.
- Item 7*      *Engine manufacturer, type and model* - The type and model of the of the installed engine(s).
- Item 8*      *Propeller type and model for propeller-driven aeroplanes* - Type and model of the installed propeller(s).
- Item 9*      *Maximum take-off mass and unit* - The maximum take-off mass, in kilograms (kg), of the aircraft.
- Item 10*     *Maximum landing mass and unit* - The maximum landing mass, in kilograms (kg), of the aircraft for documents issued under Chapters 2, 3, 4, 5 and 12 of Annex 16.
- Item 11*     *The chapter and section of Annex 16, Volume I, according to which the aircraft is certificated* - The chapter of Annex 16, Volume I, to which the subject aircraft is noise certificated. For Chapters 2, 8, 10 and 11, the section specifying the noise limits should also be included.
- Item 12*     *Additional modifications incorporated for the purpose of compliance with the applicable noise certification Standards* – List all additional modifications to the basic aircraft that are essential in order to meet the requirements of the chapter of Annex 16, Volume I.
- Item 13*     *The lateral/full-power noise level in the corresponding unit for documents issued under Chapters 2, 3, 4, 5 and 12 of Annex 16.*
- Item 14*     *The approach noise level in the corresponding unit for documents issued under Chapters 2, 3, 4, 5, 8 and 12 of Annex 16.*
- Item 15*     *The flyover noise level in the corresponding unit for documents issued under Chapters 2, 3, 4, 5 and 12 of Annex 16.*
- Item 16*     *The overflight noise level in the corresponding unit for documents issued under Chapters 6, 8 and 11 of Annex 16.*
- Item 17*     *The take-off noise level in the corresponding unit for documents issued under Chapters 8 and 10 of Annex 16.*
- Item 18*     *Statement of compliance, including reference to Annex 16, Volume I* - A statement that the subject aircraft complies with the applicable noise requirements.
- Item 19*     *Date of issuance of the noise certification document.*
- Item 20*     *Signature of the officer issuing it.*

Reference should be made for further detail on completing the form to Annex 16 Attachment G.