

NEPALESE CIVIL AIRWORTHINESS REQUIREMENTS

SECTION B

AIRWORTHINESS CERTIFICATION

CHAPTER B.7

ISSUE 5
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SPECIAL FLIGHT AUTHORISATION

1. GENERAL

- 1.1 A Light Sport Aircraft (LSA) is a small, simple to operate, low performance aircraft that complies with the following criteria:
- (a) A maximum takeoff weight of not more than 600 kilograms or 650 kilograms for an aircraft intended for operation on water or 560 kilograms for a lighter-than-air aircraft.
 - (b) A maximum stalling speed in the landing configuration (V_{S_0}) of not more than 45 knots CAS at the aircraft's maximum certificated takeoff weight and most critical center of gravity.
 - (c) A maximum seating capacity of no more than two persons, including the pilot.
 - (d) If powered, a single, non-turbine engine fitted with a propeller.
 - (e) A non-pressurised cabin:
 - i) For an aircraft operating over land, a fixed landing gear;
 - ii) For an aircraft intended for operation on water, a fixed or repositionable landing gear; and
 - iii) For a glider a fixed or retractable landing gear.
 - (f) If the aircraft is a glider a maximum never exceed speed V_{ne} of 135 knots CAS.
- 1.2 The types of aircraft that may satisfy these criteria are:
- (1) Fixed wing aircraft;
 - (2) Powered parachutes;
 - (3) Weight shift aircraft;
 - (4) Gliders;
 - (5) Balloons
 - (6) Airships; and
 - (7) Gyroplanes.
- 1.3 While any of the aircraft types in 1.2 may be for flown under a Permit to Fly, in accordance with NCAR Chapter B.4, no such aircraft may fly in Nepalese airspace for commercial purpose without having on board a valid Special Flight Authorisation (SFA), issued by the Director General.
- 1.4 For the purpose this chapter Light Sport Aircraft shall mean aircraft constructed entirely from pre-manufactured factory built components and assemblies and certified by the manufacturer conforming to a type design that complies with one of the following:
- (a) EASA CS-LSA (ED Decision 2013/015/R)

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- (b) FAA Accepted ASTM Consensus Standards,
- (c) British Civil Airworthiness Requirements Section S (CAP 482, 1983) issued by the Civil Aviation Authority of the United Kingdom;
- (d) Civil Aviation Orders 95.32 (Issue 1 dated 28 February 1990) and 101.55 (Issue 1 dated 7 January) issued by the Civil Aviation Safety Authority of Australia;
- (e) Document TP10141E issued by Transport Canada; and
- (f) any other equivalent standard acceptable to the Director General;
at their latest issue or amendment status.

1.5 The Director General may issue safety directives to the owner in respect of a Light Sport Aircraft, individually or in general, requiring such action, as he/she consider necessary in the interests of safety.

2. SCOPE

2.1 This chapter:

- (a) prescribes the requirements for the issue, validation, keeping in force and the renewal of a Special Flight Authorisation;
- (b) lays down the circumstances when the Special Flight Authorisation is suspended or cancelled.

3. ELIGIBILITY

3.1 A registered owner of a Light Sport Aircraft, registered in accordance with NCAR Chapter B.5, desiring to use the aircraft for commercial purpose shall be eligible as an applicant for a Special Flight Authorisation for that aircraft under this Chapter.

4. EQUIPMENT REQUIREMENTS

4.1 An Light Sport Aircraft shall have the following minimum equipment installed prior to its certification:

- (a) Instruments and equipment required—
 - i) to conform with the Light Sport Aircraft type design; and
 - ii) by the aircraft designer or kit manufacturer; and
- (b) flight and navigation—
 - iii) one airspeed indicator; (except for a powered parachute);
 - iv) one altimeter reading in feet;
 - v) one directing reading compass.
- (c) One VHF communication transceiver
- (d) Instrument and equipment related to the Power plant:
 - i) A fuel quantity indicator for each fuel tank, visible by pilot when strapped in;

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- ii) An oil quantity indicator for each tank. [A dipstick for each tank would be an Acceptable alternative to an indicator;]
 - iii) Tachometer (RPM indicator), pressure and temperature indications as the engine Manufacturer may require or as are necessary to operate the engine within its limitations;
 - iv) Engine "Kill" Switch;
 - v) A manifold pressure indicator for an engine equipped with a variable pitch propeller, where manifold pressure and rotational speed are independently controllable.
 - vi) Any other engine instrumentation as required by engine Manufacturer.
- (e) Miscellaneous Equipment
- i) Safety harness for each occupant
 - ii) Master Switch and Electrical protective devices when an Electrical System is installed.

Note: In addition to the above the Director General may direct additional equipment to be installed if in his opinion it will ensure safe operation of the aircraft.

- 4.2 Radio trans/receiver installation on a Light Sport Authorisation shall be approved by CAA Nepal.

5. APPLICATION FOR ISSUE OF SPECIAL FLIGHT AUTHORISATION

- 5.1 An application for the issue of a Special Flight Authorisation shall be made to the Director General on Form B.7.1, a sample of which is provided in Appendix-1 to this Chapter.

Note: An application for issue of a Special Flight Authorisation shall be made at least 30 days in advance of the date a Special Flight Authorisation is required.

- 5.2 The application shall include the following documents and information:

- (a) Copy of the Certificate of Registration issued by CAA Nepal;
- (b) evidence to prove that the aircraft is not amateur built and:
 - (i) that a permit to fly or an experimental airworthiness certificate issued by a competent Authority of a contracting state is in force in respect of an aircraft of the type; or
 - (ii) that the type design conforms to the standards in sub-paragraph 1.4 and accepted by the Director General as equivalent;

Note: A statement of conformity issued by the manufacturer in respect of 1.4 is acceptable.

- (c) a statement of hours flown by the aircraft both in total and since any previous flight permit or equivalent document was issued;
- (d) the information on aircraft maintenance history and records. Evidence that an annual inspection of the condition of the aircraft has been carried out in the preceding 12 months (if not a new aircraft);

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- (e) Modification and repair history of the aircraft that may in any manner affect the airworthiness of the aircraft;
- (f) Evidence of recent weighing within 5 years, in form of weight and balance report;
- (g) List of flight, navigation and communication equipments fitted on the aircraft;
- (h) Copy of a voucher against payment of the appropriate fee prescribed by Recreational Aviation Regulations and its amendments for issue of Special Flight Authorisation.
- (i) The applicants request for the issuance of Radio Mobile Licence with a list of radio communication, navigation and radar equipments installed, including make, model and their operating frequencies
- (j) A simple drawing of the Aircraft (or photos) showing the position of the aerial, the location of the radio set, and the location of the power supply and associated wiring;
- (k) Evidence of the import of the aircraft into Nepal.

Note: The requirement can be fulfilled by submission of Nepalese Customs clearance documents or equivalent, acceptable to CAA Nepal.

6. ISSUE OF SPECIAL FLIGHT AUTHORISATION

6.1 The Director General shall issue a Special Flight Authorisation to Light Sport Aircraft upon being satisfied that:

- (a) an application for issue of a Special Flight Authorisation in accordance with paragraph 5 is received.
- (b) the aircraft is registered in Nepal;
- (c) the conditions in this paragraph 6 are met;
- (d) the aircraft meets technical requirements of paragraph 4.
- (e) The aircraft is inspected by CAA Nepal Inspector or a person authorized by the Director General, and found to conform to good design practice, has no hazardous design features and is safe for flight; and
- (f) The data in the form of drawings, parts catalogues, operating manuals and any other manuals sufficient to define the aircraft is provided by the applicant for retention by the CAA Nepal.
- (g) Any safety directives issued by the state of manufacture have been complied with;
- (h) Confirmation that the aircraft has not been modified in any way, which may affect airworthiness.
- (i) Being satisfied that the aircraft shall be maintained in accordance with the designer or manufacturer maintenance requirements.
- (j) Satisfactory inspection by an authorized person of radio installation against the drawing in subparagraph 5.2(j) for workmanship to ensure it complies to drawing. A

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test shall be carried out and a report furnished to CAA Nepal for approval on the radio station survey form.

- (k) An aircraft posses valid insurance copy.
- (l) Satisfactory completion of an airworthiness check flight and any additional work required by CAA Nepal.

6.2 The Special Flight Authorisation shall be issued on Form D.7.2 (Appendix-2) and it shall be accompanied with the Flight Authorisation Conditions, specifying any conditions, restrictions that the Director General might consider necessary to impose.

7. DURATION AND CONTINUED VALIDITY

7.1 A Special Flight Authorisation shall remain valid normally for one year unless Director General has safety reasons for not doing so. It shall remain valid subject to:

- (a) the aircraft remaining on the Nepalese Civil Aircraft Register; and
- (b) the authorisation not being suspended, revoked or cancelled by CAA Nepal; and
- (c) the aircraft being maintained in accordance with the manufacturer recommendations; and
- (d) the aircraft being operated within the limitations and conditions of its operating handbook or the Special Flight Permit, with appropriate action being taken when such limits are exceeded;

8. RENEWAL OF A SPECIAL FLIGHT AUTHORISATON

8.1 Pursuant to paragraph 7 of this Chapter, the owner or operator of an aircraft shall submit application (Form B.7.3; Appendix-3) to the Director General for renewal of the validity of of Special Flight Authorisation, a minimum of 15 days before the expiry of the Special Flight Authorisation..

8.2 The Director General shall renew the validity of a Special Flight Authorisation when satisfied that following conditions are met:

- (a) The aircraft records are made available to the Airworthiness Inspector and satisfactory conclusion of a review of the records;
- (b) The aircraft continues to conform to original type design in sub paragraph 1.4, on whose basis the initial Special Flight Authorisation was issued; and
- (c) Compliance is shown with safety directives issued by the CAA Nepal, if any;
- (d) The aircraft is being maintained in accordance with the manufacturer's recommendations;
- (e) The aircraft has not been involved in accident or incident that affects the airworthiness of the aircraft; or
- (f) No modification or repair has been applied that has not been recommended by the manufacturer or approved by CAA Nepal.

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- (g) Satisfactory conclusion of a survey inspection of the aircraft and correction of any deficiency found;
- (h) Satisfactory conclusion of a Airworthiness check flight (if required) and submission of the particulars and results of the check flight.
- (i) A voucher against payment of the appropriate fee prescribed by Recreational Aviation Regulations and its amendments for renewal of the Special Flight Authorisation is submitted.

Civil Aviation Authority of Nepal

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FORM B.7.1

APPENDIX-1

APPLICATION FOR ISSUE OF A SPECIAL FLIGHT AUTHORISATION

1. Name of the Owner :
2. Address of the Owner :
3. Nationality :
4. Name of the Operator :
5. Address of the Operator :
6. Nationality :
7. Manufacturer of the Aircraft :
8. Country and Year of Manufacture :
9. Aircraft Nationality and Registration Mark :
10. Description of Aircraft :
 - (a) Aircraft Type/Model :
 - (b) Aircraft Serial Number :
 - (c) Type of Engine :
 - (d) Maximum Number of Persons to be carried Including Crew:
 - (e) Type design conforms to (refer para. 1.3)..........
11. Empty Weight of Aircraft : 12. Maximum Take Off Weight :
12. Has a Permit to Fly or Special Flight Permit in respect of the aircraft been issued by the Airworthiness Authority of the country of Manufacture? : Yes No
If yes, the documents should be submitted with the application.
13. Category of Aircraft : Sport Category

I hereby declare that the above particulars are true in every respect.

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FORM B.7.2

APPENDIX-2



CIVIL AVIATION AUTHORITY OF NEPAL

Special Flight Authorisation

LIGHT SPORT AIRCRAFT

1. Nationality and Registration Marks	2. Manufacturer and Manufacturer's Designation of Aircraft	3. Aircraft Serial Number
4. Category: Sport Category		Max. Take off Mass.....kg.
This Special Flight Authorisation has been issued in accordance with the provisions of Recreational Aviation Regulations 2069 B.S. and its amendments.		
..... Date of issue	 Signature

RENEWALS AND EXTENSIONS

From	To	Signature

From	To	Signature

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Form B.7.3

Appendix-3

APPLICATION FOR RENEWAL OF A SPECIAL FLIGHT AUTHORISATION

A. Applicant details:

This application form, when completed, should be forwarded to the Civil Aviation Authority of Nepal.

1. Name and address of applicant (if other than owner/operator).....
.....
2. Name and address of registered owner / operator
.....
3. Contact information:
Telephone number:..... E-mail address:.....

B. Aircraft details:

1. Registration marks Aircraft type MSN:.....
2. Validity till:
3. Aircraft total hours:..... Landings
4. Engine TSN / TSO
5. Operating Permit Reference:.....
6. Aircraft Maintenance Manual :..... Revision No.:.....
7. Name and address of the organization with whom aircraft records is available for inspection
.....
8. Location of aircraft for physical inspection
9. Maximum take-off mass authorized (in kg).....
10. Aircraft annual inspection completed..... date.....
11. Hours flown during 12 months prior to date of application: hours flying

C. Declaration:

I hereby declare that the particulars entered on this application and its appendices are accurate in every respect and the aircraft mentioned above complies with all Regulatory Requirements for RENEWAL of its Special Flight Authorisation. The aircraft is fully airworthy at this date and no un-authorized modification has been done on the aircraft.

.....
Applicant Name, Designation Signature
Date.....