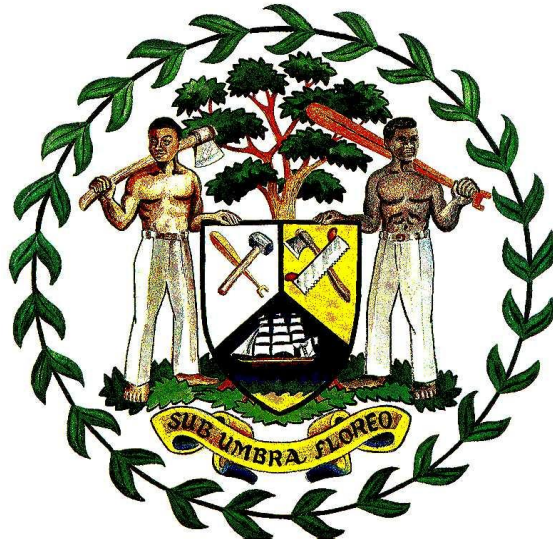


BELIZE

DEPARTMENT OF

CIVIL AVIATION



BELIZE CIVIL AVIATION REGULATIONS

IDENTIFICATION AND REGISTRATION

MARKS

BCAR 45

Issue: 2
Revision: 0
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**BELIZE CIVIL AVIATION REGULATIONS
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Issue and Revision System

THE REVISIONS TO THIS REGULATION WILL BE INDICATED BY A VERTICAL BAR ON THE LEFT SIDE, IN FRONT OF THE LINE, SECTION OR FIGURE THAT HAS BEEN AFFECTED. AN ISSUE WILL BE THE REPLACEMENT OF THE COMPLETE DOCUMENT.

THESE REVISIONS MUST BE RECORDED ON THE RECORD OF REVISIONS TABLE OF THIS DOCUMENT, INDICATING THE RESPECTIVE NUMBER, DATE IT WAS ENTERED AND SIGNED BY THE PERSON ENTERING THE REVISION.



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Preamble

To be developed



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CHAPTER 1

BCAR 45.1 Applicability

This regulation prescribes the requirements for:

- a) Identification of aircraft, aircraft engines and propellers.
- b) Identification of certain replacement and modified parts produced for installation on type certificated products.
- c) Nationality and registration marks.

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CHAPTER 2

number (or equivalent).

IDENTIFICATION OF AIRCRAFT AND RELATED AERONAUTICAL PRODUCTS

BCAR 45.13 Identification Data

BCAR 45.11 General

- a) Aircraft and aircraft engines: aircraft and engines must be identified from the time of their manufacture by means of a fireproof plate that has information specified in BCAR 45.13 by stamping, engraving or other approved method of fireproof marking. The identification plate for aircraft must be secured in such a manner that it will not likely be defaced or removed during normal service, or lost or destroyed in an accident or other circumstance.
- b) Except as provided in paragraph (e) of this BCAR, the aircraft identification plate must be secured to the aircraft fuselage surface so that it is legible to a person on the ground and must be affixed near one of the aircraft's entrance or adjacent to the fuselage surface.
- c) For aircraft engines, the identification plate must be affixed at an accessible location in such a manner that it will not likely be lost or destroyed in an accident.
- d) Propellers and propeller blades and hubs: it is required that these products be identified since manufactured by means of a plate, stamping, engraving, etching, or other approved method of fireproof information specified in BCAR 45.13 and placed on a non critical surface in such a way that it will not likely be damaged, defaced, lost or destroyed during an accident.
- e) For manned free balloons: the identification plate prescribed in paragraph a) of this BCAR must be secured to the balloon envelope and must be located, if practicable, where it is legible to the operator when the balloon is inflated. In addition, the basket and heater assembly must be permanently and legibly marked with the manufacturer's name, part number (or equivalent) and serial

- a) The identification required by BCAR 45.11 a) and b) shall include the following information:
 - 1) Manufacturer's name.
 - 2) Model designation.
 - 3) Manufacturer's serial number.
 - 4) Type Certificate number, if any.
 - 5) Production Certificate number, if any.
 - 6) For aircraft engines, the established rating.
 - 7) Any other information that the Belize Department of Civil Aviation finds it appropriate to include.
- b) Except as provided in paragraph d) 1) of this BCAR, no person may remove, change, or place identification information required by paragraph a) of this BCAR, on any aircraft, engine, propeller, propeller blade, propeller hub, without the approval of the competent authority.
- c) Except as provided in paragraph d) 2) of this BCAR, no person may remove or install any identification plate required by BCAR 45.11, without the approval of the competent authority.
- d) Persons performing work under the provision of Regulation 43 may, in accordance with the methods, techniques, and practices acceptable by the competent authority:
 - 1) Remove, change, or place the identification information required by paragraph a) of this BCAR on any aircraft, aircraft engine, propeller, propeller blade, or propeller hub; or



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- 2) Remove an identification plate required by BCAR 45.11 when necessary during maintenance operations.
- e) No person may install an identification plate removed in accordance with paragraph d) 2) of this BCAR on any aircraft, aircraft engine, propeller, propeller blade, or propeller hub other than the one from which it was removed.

BCAR 45.14 Identification of Critical Components

- a) Every part or component for which the manufacturer or manufacturer's standards have established a replacement time, inspection interval, or related procedure is specified in the of Airworthiness Limitations section of the manufacturer's Maintenance Manual or Instructions for Continued Airworthiness shall permanently and legibly mark that part or component with a part number (or equivalent) and a serial number (or equivalent) with its respective identification plate, issued by the respective manufacturer.

BCAR 45.15 Replacement and Modification Parts

- a) Except as provided in paragraph of this BCAR, all replacement or modification part shall be permanently and legibly marked with:
 - 1) The indication of the manufacturer's codes used by the state of manufacture, to identify the original parts in accordance with a manufactured standard.
 - 2) The name, trademark and symbol of the holder of the parts manufacturer approval.
 - 3) The part number and serial number.
 - 4) The name and model designation of each type certificated product on which

the part is eligible for installation.

- b) If the competent authority finds that a part is too small or that it is otherwise practical to make a part with any of the information required by paragraph a) of this BCAR, a tag attached to the part or its container must include the information that could not be marked on the part. If the marking required by paragraph a) 4) of this BCAR is so extensive that to mark it on a tag is impractical, the tag attached to the part of the container may refer to a specific readily available manual or catalog for part eligibility information.

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CHAPTER 3

a) General

NATIONALITY AND REGISTRATION MARKS

BCAR 45.21 General

- a) No person may operate a Belize registered aircraft unless that aircraft displays nationality and registration marks in accordance with the requirements of this BCAR and BCARs 45.22 through 45.33 inclusive.
- b) Unless otherwise authorized by the competent authority, no person may place on any aircraft a designs, writings, marks or symbols that modify or confuse the nationality and registration marks.
- c) Aircraft nationality and registration marks must:
 - 1) Except as provided in paragraph d) of this BCAR, be painted on the aircraft or affixed by any other means insuring a similar degree of permanence;
 - 2) Have no ornamentation;
 - 3) Contrast in color with the background; and
 - 4) Be legible.
- d) The aircraft nationality and registration marks may be affixed to an aircraft with readily removable material if:
 - 1) It is intended for immediate delivery to a foreign purchaser;
 - 2) It is bearing temporary registration marks; or
 - 3) It is marked temporarily to meet the requirements of BCAR 45.29

- 1) The nationality mark for aircraft in Belize is V3. The nationality marks is followed by a hyphen and a registration mark consisting of three (3) letters; H followed by two (2) letters in sequence from AA to ZZ (e.g. V3-HAA). This will correspond to the individual registration of the aircraft. Request for a different combination of characters for the Registration Marks may be approved by the Director. This group shall consist of three capital letters in Roman character.
- 2) The nationality mark for each country is conformed by letters or a combination of letter and numbers corresponding to each State. The letters corresponding the registration marks will be assigned in consecutive order, which in no case must be modified unless as indicated in the following paragraph. The same registration marks shall never be assigned to more than one aircraft.
- 3) The BDCA will not assigned registration marks whose combination of letters may be confused with the group of five letters used in the second part of the International Code of Signals, with the combination of three letters used in the Q Code, nor with the distress signal SOS, or other international urgent signals as XXX, PAN and TTT.
- 4) The letters shall be capital letters in Roman characters and the numbers shall be in Arabic. Each character including the hyphen shall be of solid (bold) lines, without decorations or any ornamentation, of a single outline and of rectangular shape in a right angle of ninety degrees and with an inclination which shall be at no time of less than eighty degrees.

BCAR 45.23 Composition of Nationality and Registration Marks

BCAR 45.25 Location of Marks on Fixed-Wing Aircraft



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- a) Operators or owners of fixed-wing aircraft shall display the nationality and registration marks on either sides of the fuselage and on the lower surface of the port wing.
- b) The marks shall be displayed as follows:
 - 1) Fuselage: They shall appear on each side centered with the longitudinal axis of the fuselage, horizontally between the trailing edge of the wing and the leading edge of the horizontal stabilizer. However, if engines or other appurtenances are located in this area, the marks shall be displayed on the engines pods or the fixed vertical plane, logically selecting the area with the best conditions for the display of the marks.
 - 2) Wings: The marks shall appear once in the lower surface of the port wing structure unless they extend across the whole of the lower surface of the wing structure. So far as is possible the marks shall be located equidistant from the leading and trailing edges of the wing. The tops of the letters and numbers shall be towards the leading edge of the wing.
- 2) Each side of the bottom half of the vertical stabilizer.
- c) Spherical balloons: Each owner or operator of a spherical balloon shall display the nationality and registration required by BCAR 45.23 in two places diametrically opposite and near the maximum horizontal circumference of that balloon.
- d) Non spherical balloons: Each owner or operator of this type of balloon shall display the identification marks near its maximum cross section and immediately above either the rigging band or the points of attachment of the basket or cabin suspension cables.

BCAR 45.29 Size of the nationality and registration marks

BCAR 45.27 Location of Marks on Non Fixed-Wing Aircraft

- a) Rotorcraft: Each owner or operator of a rotorcraft shall display the marks horizontally on both sides of the cabin surface, fuselage, boom, or tail following the established rules in BCAR 45.23
- b) Airships: Each owner or operator shall display the nationality and registration marks required by BCAR 45.23, horizontally on:
 - 1) The upper surface of the right horizontal stabilizer and on the under surface of the left horizontal stabilizer. The upper part of the letters and numbers shall be towards the leading edge of each stabilizer.
- a) Except as provided in paragraph f) of this BCAR, each owner or operator shall display marks on the aircraft meeting the size requirements of this BCAR.
- b) Fixed-wing aircraft:
 - 1) Wings: The marks shall have a minimum height of 50 cm. 30 cm. wide and 8 cm. thick. The hyphen shall be a minimum of 35 cm. long and 8 cm. thick. The spacing of marks shall be 8 cm. The letter "I" shall have the same height and 8 cm. wide.
 - 2) Fuselage: The marks shall have a minimum height of 30 cm. 20 cm. wide and 5 cm. thick. The hyphen shall be 20 cm, long and 5 cm. wide. The spacing of marks shall be 5 cm. between. The letter "I" shall have the same height and 5 cm. wide.
- c) Non-fixed-wing aircraft:
 - 1) Rotorcraft, balloons and airships: The marks shall have a height of 30 cm, a width of 20 cm. and a thickness of 5 cm, The hyphen shall be 20 cm. long by 5 cm. thick.



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- d) In those cases where the aircraft configuration does not allow with compliance of the allocation of marks as established in BCARs 45.25 through 45.27 or the compliance of that established in paragraphs b) and c) of this BCAR, the aircraft owner or operator shall propose viable alternatives of compliance to the Competent Authority for approval.

BCAR 45.31 Marking of Export Aircraft

- a) Any person that re exports a used aircraft, in accordance with BCAR 45.33 may display on that aircraft the nationality and registration marks of the state where the aircraft will be registered. However, no person may operate an aircraft so marked within Belize, except for test and demonstration flights for a limited period of time, approved by the Competent Authority or to complete the delivery flight through the country where the aircraft will be registered.

BCAR 45.33 Sale of Aircraft; Removal of Nationality and Registration Marks

- a) If an aircraft registered in Belize is sold to a purchaser residing abroad, the holder of the Certificate of Registration should cancel the Belize registration in accordance with established procedures and should remove the nationality and registration marks for Belize.
- b) Notwithstanding the latter, the Department of Civil Aviation may proceed with the official cancellation of the registration once the aircraft arrives at its destination.

BCAR 45.34 Certificate of Registration

- a) The application for a Certificate of Registration shall be done by completing Form BDCA 1020.
- b) Such certificate shall contain the following information:

- 1) BDCA logo
- 2) Aircraft serial number.
- 3) Manufacturer and manufacturer's designation of aircraft.
- 4) The certificate must be on board when the aircraft is operated
- 5) Owner and address.
- 6) It is hereby certified that the above described aircraft has been duly entered on the Belize Aircraft Register in accordance with the Convention on International Aviation, the Civil Aviation Act and the regulations in force.
- 7) BDCA file no
- 8) Date of issue.
- 9) Signature of the authorizing officer
- 10) BDCA stamp

BCAR 45.35 The Applicant for Aircraft Registration

- a) The BDCA shall be satisfied that the applicant(s) for aircraft registration are qualified persons.
- b) The BDCA may determine that it is acceptable for an unqualified person having a legal or beneficial interest by way of ownership or share in an aircraft to be registered. This shall be subject to the registration being conditional on the aircraft not being operated for the purpose of commercial air transport.
- c) The BDCA may determine that it is acceptable for the aircraft to be registered in the name of a charterer.

BCAR 45.37 Accuracy of Registry Information



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- a) The holder of a certificate of registration shall notify the BDCA, as soon as practicable, of any change that affects the currency of any information contained in the certificate.
- b) If a person has information that indicates an inaccuracy in the Belize register, that person shall notify the BDCA as soon as practicable.
- b) The applicant shall furnish the BDCA with the following information:
 - 1) the name of the aircraft manufacturer; and
 - 2) the designation of the aircraft, model and serial number; and
 - 3) the name and address of the person(s) specified in paragraph 45.41(a); and
 - 4) such further particulars relating to the aircraft and the person or group specified in paragraph 45.41(a) as may be required by the BDCA
- c) The BDCA may also require the applicant, or where the application is made on behalf of a person or group, that person, to produce all or any of the following, as may be reasonable in the circumstances:
 - 1) evidence of the aircraft designation, model and serial number.
 - 2) evidence of the identity of the person(s) specified in paragraph 45.41(a).
 - 3) a statutory declaration by the person specified in paragraph 45.41(a) that that person or group, on a date specified in the application will be, lawfully entitled to the possession of the aircraft.

BCAR 45.39 Transponder Codes

- a) Any allocated and assigned 24-bit Mode S transponder address code shall be removed from coded aircraft equipment on the de registration of aircraft from the Belize register except:
 - 1) when the aircraft is to make a flight or journey immediately following the deregistration; and
 - 2) the new State of registration has not allocated a new transponder code; and
 - 3) the BDCA is satisfied with the arrangements and that the appropriate aircraft log book entries have been made specifying the removal of the transponder code following the agreed flight or journey.

BCAR 45.41 Application for Registration

- a) Every application for the registration of an aircraft and for the grant of a certificate shall be made in writing by, or on behalf of:
 - 1) the person who is a qualified person and lawfully entitled to the possession of the aircraft; or
 - 2) the group who, on a date specified in the application, are qualified persons and lawfully entitled to the possession of the aircraft; or
 - 3) the charterer of the aircraft.

BCAR 45.43 Registration and Grant of Certificate

- a) An applicant is entitled to have an aircraft registered and is entitled to a certificate of registration if the BDCA is satisfied by the details of the application and:
 - 1) the aircraft is not registered in any other country; and
 - 2) the owner of the aircraft is a qualified person; and
 - 3) the grant of the certificate is not contrary to the interests of aviation safety.



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b) If the BDCA is satisfied that an applicant complies with the requirements of this BCAR, an appropriate entry shall be made on the Belize Aircraft Register.

c) The certificate of registration does not have a validity period.

BCAR 45.45 Reservation of Marks

a) Subject to paragraphs 45.45(b) and 45.45(c), the BDCA shall reserve a registration mark for a period not exceeding 24 months:

- 1) at the request of a person who intends to register an aircraft in Belize; and
- 2) on payment of any prescribed fee.

b) A registration mark shall not be reserved if it is in use as an aircraft registration mark.

c) The BDCA may refuse to reserve a registration mark if its use is considered to be undesirable.

d) A registration mark that has been reserved shall not, while reserved, be allocated to an aircraft as a registration mark otherwise than at the request of the person on whose request the registration mark was reserved.

BCAR 45.47 Change of Possession of Aircraft

a) If the holder of a certificate of registration ceases to be the owner of that aircraft, the certificate expires on the date the certificate holder ceases to have lawful entitlement to possession of the aircraft.

b) The certificate holder whose certificate expires in accordance with paragraph 45.47(a) shall:

- 1) within 14 days after the date of such expiry, notify the BDCA; and

2) surrender to the BDCA the certificate of registration.

BCAR 45.49 Replacement of Certificate

a) The holder of a certificate of registration may apply for a replacement certificate if the certificate is:

- 1) lost, stolen, or destroyed; or
- 2) so damaged that particulars are no longer clearly legible.

b) On receiving an application under paragraph 45.51(a), the BDCA may reissue the certificate:

- 1) On being satisfied that the application has been made by the person to whom the certificate was originally issued; and
- 2) that the information supplied under paragraph 45.51 continues to be valid; and
- 3) on a payment of any applicable fee.

BCAR 45.51 Change of Registration Mark

a) The holder of a certificate of registration may apply to the BDCA for a new registration mark to replace the mark allocated to the aircraft specified in the certificate.

b) The applicant for a change of registration mark shall apply in writing and submit to the BDCA:

- 1) the certificate of registration; and
- 2) the registration mark sought; and
- 3) payment of the prescribed fee

c) On receiving an application under paragraph 45.51(b), the BDCA on being satisfied to the particulars derived under paragraph 45.41



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may make the appropriate amendments to the registry.

- d) On allocation of a new registration mark under paragraph 45.51(c), the BDCA shall issue to the registered owner a new certificate of registration.

BCAR 45.53 Cancellation of Registration

- a) An aircraft remains registered:
 - 1) until the certificate of registration is suspended or revoked; or
 - 2) any validity period specified on the certificate has expired; or
 - 3) the certificate ceases to be valid by virtue of paragraph 45.47.
- b) The BDCA may revoke the certificate of registration for the aircraft:
 - 1) on receipt of a written request from the registered owner; or
 - 2) if the aircraft is destroyed, lost or stolen; or
 - 3) if the aircraft is permanently withdrawn from use; or
 - 4) if the owner of the aircraft has applied to register the aircraft in any other country; or
 - 5) the aircraft is registered in any country other than Belize; or
 - 6) it is in the interest of the public.



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RESERVED.

TO BE DEVELOPED.