

PART 4 - AIRCRAFT REGISTRATION AND MARKING

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4.1 GENERAL

4.1.1.1 APPLICABILITY

Part 4 prescribes the requirements for registration and marking of Civil Aircraft under the provisions of the Civil Aviation Act for the time being in force.

4.1.1.2 DEFINITIONS

- (a) For the purpose of Part 4, the following definitions shall apply:
- (1) **“Airship”** means a power driven lighter-than-air aircraft
 - (2) **“Fireproof material”** means a material capable of withstanding heat as well as or better than steel when the dimensions in both cases are appropriate for the specific purpose.
 - (3) **“Glider”** means a non-power-driven heavier-than-air aircraft, deriving its lift in flight chiefly from aerodynamic reactions on surfaces which remain fixed under given conditions of flight.
 - (4) **“Heavier-than-air aircraft”** means any aircraft deriving its lift in flight chiefly from aerodynamic forces.
 - (5) **“Lighter-than-air aircraft”** means any aircraft supported chiefly by its buoyancy in the air.
 - (6) **“State of Registry”** means the State on whose register the aircraft is entered.

4.1.1.3 ACRONYMS

- (a) The following acronyms are used in Part 4:
- (1) ADIZ - Air Defence Identification Zone
 - (2) DEWIZ - Distant Early Warning Identification Zone

4.2 REGISTRATION REQUIREMENTS

4.2.1.1 GENERAL

A person shall not operate a civil aircraft that is eligible for registration under the laws of Antigua and Barbuda, unless it has been registered pursuant to the provisions of Chapter 4 and the Authority has issued a Certificate of Registration for that aircraft which shall be carried aboard that aircraft for all operations.

4.2.1.2 RESERVED

4.2.1.3 APPLICATION

- (a) A person who wishes to register an aircraft in Antigua and Barbuda must submit an application for aircraft registration to the Authority in a form and manner acceptable to the Authority. Each application shall—
- (1) certify eligibility as required by Chapter 4;
 - (2) be signed in ink.
- (b) The fee provided for by law will be submitted with the application for aircraft registration to the Authority.

- (c) Upon an applicant meeting all requirements for registration, a certificate of Registration will be issued by the Authority.

4.3 NATIONALITY AND REGISTRATION MARKS

4.3.1.1 APPLICABILITY

This Subpart prescribes the requirements for the identification and marking of civil aircraft registered in Antigua and Barbuda.

4.3.1.2 GENERAL

- (a) A person shall operate a civil aircraft registered in Antigua and Barbuda only if it displays nationality and registration marks in accordance with the requirements of this section. The letter or letters used to identify the nationality of Antigua and Barbuda shall conform to the requirements outlined in ICAO Annex 7. This is to be followed by a series of numbers or letters assigned by the Authority.
- (b) Unless otherwise authorized by the Authority, a person shall not place on any aircraft a design, mark, or symbol that modifies or confuses the nationality and registration marks. The marks shall not be confused with the *International Five Letter Code of Signals or Distress Codes*.
- (c) Permanent marking of aircraft nationality and registration shall—
 - (1) be painted on the aircraft or affixed by other means insuring a similar degree of permanence;
 - (2) have no ornamentation;
 - (3) contrast in color with the background;
 - (4) be legible; and
 - (5) have a hyphen placed between the nationality mark and the registration mark.

4.3.1.3 DISPLAY OF MARKS: GENERAL

- (a) The nationality mark of the aircraft shall consist of the Roman capital letter denoting the nationality of Antigua and Barbuda followed by the registration number of the aircraft in Arabic numerals. Each suffix letter used in the marks displayed must also be a Roman capital letter.
- (b) If, because of the aircraft configuration, it is not possible to mark the aircraft in accordance with this Part, the owner may apply to the Authority for a different procedure.

4.3.1.4 SIZE OF MARKS

- (a) The operator of an aircraft shall display marks on the aircraft meeting the size requirements of this section.
- (b) *Height*. The character marks in each separate group shall be of equal height and on—
 - (1) Fixed-wing aircraft:
 - (i) Wings- shall be at least 50 centimeters
 - (ii) Fuselage and vertical tail surfaces:- shall be at least 30 centimeters high;
 - (2) Rotorcraft shall be at least 30 centimeters high; and
 - (3) Lighter-than-air aircraft at least 50 centimeters high.

- (c) *Width.* Characters must be two-thirds as wide as they are high, except the number "1", which must be one-sixth as wide as it is high, and the letters "M" and "W" which may be as wide as they are high.
- (d) *Thickness.* Characters shall be formed by solid lines one-sixth as thick as the character is high.
- (e) *Spacing.* The space between each character may not be less than one-fourth of the character width.
- (f) *Uniformity.* The marks required by this Part for fixed-wing aircraft must have the same height, width, thickness, and spacing on both sides of the aircraft.
- (g) The operator of an aircraft penetrating an ADIZ or DEWIZ shall display on that aircraft temporary or permanent nationality and registration marks at least 30 centimeters high.

4.3.1.5 DEVIATIONS FOR SIZE AND LOCATION OF MARKS

- (a) If either one of the surfaces authorized for displaying required marks is large enough for display of marks meeting the size requirements of this section and the other is not, the operator shall place full-size marks on the larger surface.
- (b) If neither surface is large enough for full-size marks, the Authority may approve marks as large as practicable for display on the larger of the two surfaces.

4.3.1.6 LOCATION OF MARKS ON FIXED-WING AIRCRAFT

- (a) The operator of a fixed-wing aircraft shall display the required marks once on the lower surface of the wing structure. They shall be located on the left half of the lower surface of the wing structure unless they extend across the whole of the lower surface of both wings and, either the vertical tail surfaces or the sides of the fuselage
- (b) The marks required by paragraph (a) of this section shall be displayed as follows:
 - (1) if displayed on the vertical tail surfaces, horizontally on the upper half of both surfaces of a single vertical tail or horizontally on the upper halves of the outer surfaces of a multi-vertical tail;
 - (2) if displayed on the fuselage surfaces, horizontally on both sides of the fuselage between the trailing edge of the wing and the leading edge of the horizontal stabilizer;
 - (3) if engine pods or other appurtenances are located in the area described in paragraph (b)(2) and are an integral part of the aircraft, the operator may place the marks on those pods or appurtenances;
 - (4) on aircraft having no fixed wing surface the marks shall also appear on the lower surface of the fuselage on the line of symmetry and shall be placed with the tops of the letters towards the nose.

4.3.1.7 LOCATION OF MARKS ON ROTORCRAFT

The operator of a rotorcraft shall display marks horizontally on both surfaces of the cabin, fuselage, boom, or tail, such that the rotorcraft can be readily identified.

4.3.1.8 LOCATION OF MARKS ON LIGHTER-THAN-AIR AIRCRAFT

- (a) *Airships.* The operator shall place marks on an airship to appear on—
 - (1) the hull, located lengthwise on each side of the hull and on its upper surface on the line of symmetry; or

- (2) the horizontal and vertical stabilizers surfaces—
 - (i) for the horizontal stabilizer, located on the right half of the upper surface and on the left half of the lower surface, with the tops of the letters and numbers toward the leading edge; and
 - (ii) for the vertical stabilizer, located on each side of the bottom half stabilizer, with the letters and numbers placed horizontally.
- (b) *Spherical balloons (other than unmanned free balloons)*. The operator shall apply marks to appear in two places diametrically opposite each other and located near the maximum horizontal circumference of the balloon.
- (c) *Non-spherical balloons (other than unmanned free balloons)*. The operator shall apply marks to appear on each side, located near the maximum cross-section of the balloon immediately above either the rigging band or the points of attachment of the basket suspension cables.
- (d) *Lighter-than-air aircraft (other than unmanned free balloons)*. The operator shall apply side marks to be visible both from the sides and from the ground.
- (e) *Unmanned free balloons*. The operator shall apply marks to appear on the identification plate.

4.3.1.9 SALE OF AIRCRAFT: REMOVAL OF MARKS

When an aircraft that is registered in Antigua and Barbuda is sold, the holder of the certificate of registration shall remove, before its delivery to the purchaser, all nationality and registration marks of Antigua and Barbuda, unless the purchaser is a citizen or other legal entity as prescribed in Regulation 24(2) of Chapter 4.

4.3.1.10 IDENTIFICATION PLATE REQUIRED

- (a) The operator of an aircraft registered pursuant to these Regulations shall affix to the aircraft, an identification plate—
 - (1) containing the aircraft type, model, serial number, marks of nationality and operator's name and location;
 - (2) made of fireproof metal or other fireproof material of suitable physical properties;
 - (3) secured to the aircraft in a prominent position, near the main entrance, or, in the case of a free balloon, affixed conspicuously to the exterior of the payload.