



# BRAZILIAN CIVIL AVIATION REGULATION

**RBAC nº 103  
AMENDMENT nº 00**

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**Title: AIRSPORT OPERATION FOR AIRCRAFT  
WITHOUT AIRWORTHINESS CERTIFICATE**

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**Approval:** Resolution nº 473, of June 7<sup>th</sup>, 2018.

**Origin:** SPO

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## SUBPART A GENERAL DISPOSITIONS

### 103.1 Applicability

(a) This regulation is applicable to the airport operation of:

- (1) ultralight vehicle; and
- (2) manned free balloon without an airworthiness certificate.

(b) For the purposes of this regulation, it is considered an ultralight vehicle the aircraft which:

- (1) has an exclusive sporting and recreational purpose.
- (2) does not hold an airworthiness certificate issued according to the RBAC n° 21;
- (3) has a maximum empty weight of 80kg if non-motorized or 200kg if motorized; and;
- (4) has:

(i) maximum speed in leveled flight and with the maximum continuous throttle (VH) of 100 knots calibrated (CAS) or lower, under atmospheric conditions at sea level; or

(ii) in case of glider or powered glider, the never exceed speed (VNE) of 100 knots CAS or lower.

### 103.3 Inspections

Whenever requested by ANAC, DECEA or police authority, the operator of ultralight vehicle or manned free balloon must allow inspections in his/her aircraft and provide sufficient evidences to verify the applicability and the adequacy to this regulation.

### 103.5 Special authorization

Any operation of ultralight vehicle or manned free balloon in disagreement with the rules of this regulation requires a special flight authorization issued by ANAC

### 103.7 Required documentation

(a) The operation of an ultralight vehicle or manned free balloon according to this regulation does not require a habilitation or airworthiness certificate issued by ANAC. However, the operator must hold an airport registration certificate in the ways established by ANAC.

(1) For the effective registration of an airport person, it is necessary to prove that the applicant holds the minimum knowledge for the compliance of the operational rules and use of airspace.

(b) Without prejudice to paragraph (a) of this section, the motorized ultralight vehicles and the manned free balloons operating in accordance with this regulation must be registered in the ways established by ANAC and display a visible marking that allows its identification.

(1) It is forbidden the registration of aircraft without registration in the RAB database of motorized ultralights.

(2) If it holds any certificate previously issued (CAV/CAVE) related to the aircraft to be registered, the operator must request the revocation of its registration and forward the certificate to ANAC.

(c) The operators of ultralight vehicles or manned free balloons dedicated to forming or training other sportsmen must hold the insurance against damage to assets or people on the surface, according to the art. 178, § 1<sup>st</sup> of law n° 7.565, of December 19<sup>th</sup>, 1986 (Brazilian Aeronautics Code).

(d) It is permitted to the operator of ultralight vehicles or manned free balloons to hold the hereby required documentation in digital means.

## SUBPART B OPERATION RULES

### 103.11 Operational rules

(a) It is forbidden to operate ultralight vehicles or manned free balloons in a way that offers risk to the people on the ground or the civil aviation system.

(b) It is forbidden to anyone operating ultralight vehicles or manned free balloons to allow the throwing of objects to the ground in a way that offers risk to the people or property.

(c) The operation of an ultralight vehicle or manned free balloon, according to this regulation, is limited to the Visual Meteorological Condition (VMC) during daytime and maintaining visual references with the surface during all flight.

(d) It is forbidden the takeoff or landing operation with an ultralight vehicle or manned free balloon in a locality not authorized by the owner or the rights holder over the area in question.

(e) A person can only board another person in an ultralight vehicle or manned free balloon under this regulation if this person acknowledges that the activity is by their own risk, where operator and aircraft does not have any technical qualification issued by ANAC, not having, therefore, any safety guarantee.

(f) It is only allowed the operation of an ultralight vehicle or manned free balloon by a person with age of 18 or higher.

### 103.13 Air traffic rules

The operator of an ultralight vehicle or manned free balloon must observe the air traffic rules issued by the Airspace Control Department – DECEA corresponding to the flight spaces used, as well as, any additional limitations imposed in the paragraph 103.15(c)(1) of this regulation.

### 103.15 Operation areas

(a) Without prejudice to the paragraph 103.11 of this regulation, it is prohibited the operation of an ultralight vehicle or manned free balloon under this regulation over highly populated areas, rural agglomerates<sup>1</sup>, agglomerations of people, prohibited or restricted areas.

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<sup>1</sup> **rural agglomerate** is the locality situated in a non-legally area defined as urban and characterized by a set of permanent edifications and adjacent, forming a continuous built area, with distinguishable fittings along a communication path; or locality that has the defining characteristics of rural agglomerate and is localized within less than 1 km from an urban area or village, constituting simple extension of legally defined urban area (rural agglomerate of urban extension); or locality that has the defining characteristics of rural agglomerate and is localized within 1 km or more from an urban area or village, already defined as extension of urban area (isolated rural agglomerate). Source: IBGE/DGC/DECAR. *Noções básicas de cartografia*, Rio de Janeiro: IBGE, 1998, p. 71-72.

(1) Exceptions to the paragraph (a) of this section can be promptly approved by ANAC through special authorization, whose copy must be carried by the operator, conditioned to the previous authorization issued by the local authority.

(b) It is forbidden the operation of ultralight vehicles or manned free balloons outside the flight spaces specifically authorized by DECEA.

(c) Prior to each flight, the operator of ultralight vehicle or manned free balloon must take notice of the authorized flight spaces for the operation, according to the requirements of this regulation, respecting the lateral and horizontal limits defined.

(1) Specific requirements for the operation in determined areas and flight spaces may be required due to the local operational characteristics.

**SUBPARTE C**  
**FINAL DISPOSITIONS**

**103.701 Infractions**

(a) For the effects of application of art. 33 of the Decree-Law n° 3.688, of October 3<sup>rd</sup>, 1941, it is understood as properly licensed:

(1) the operator that holds an airport person registration verification according to the paragraph 103.7(a) of this regulation; and

(2) in the case of operator of motorized ultralight vehicle or manned free balloon, the verification of registration and its identification on the aircraft according to the paragraph 103.7(b) of this regulation.

(b) For the effects of application of art. 132 of the Decree-Law n° 2.848, of December 7<sup>th</sup>, 1940, it is understood that the noncompliance of the paragraphs 103.11(a) and 103.11(b) of this regulation exposes the life and health of others to direct or imminent danger.

(c) For the effects of application of art. 35 do of the Decree-Law n° 3.688, of October 3<sup>rd</sup>, 1941, it is understood as allowed zones those established in section 103.15 of this regulation.

(1) The operator must hold the special valid authorizations provisioned in section 103.5 and paragraph 103.15(a)(1) of this regulation, being allowed by digital means.