



## **OPERATIONAL EVALUATION REPORT**

### **HÉLICOPTÈRES GUIMBAL**

#### **CABRI G2**

### **GRUPO DE AVALIAÇÃO DE AERONAVES – GAA**

BRAZILIAN AIRCRAFT EVALUATION GROUP

AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL

RIO DE JANEIRO, BRAZIL

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## Revision Control

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Original	July 31, 2015	Original report.
1	April 23, 2016	Pilot rating determination according to RBAC 61 EMD 06

# Approval

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# 1 General

## 1.1 Evaluation Team

### 1.1.1. First issue team member

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### 1.1.2. Revision 1 team member

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## Acronyms

AMC	Acceptable Means of Compliance
ATPL	(H) Airline Transport Pilot Licence (Helicopter)
ATO	Approved Training Organisation
CEV	Centre d'Essais en Vol
CPL	Commercial Pilot Licence
DGAC	Direction Générale de l'Aviation Civile (French Civil Aviation Authority)
EASA	European Aviation Safety Authority
FAA	Federal Aviation Administration (USA)
FNPT	Flight and Navigation and Procedure Trainer
FSB	Flight Standardization Board
FSTD	Flight Simulation Training Device
FTO	Flight Training Organisation
IEM	Interpretative and Explanatory Material
JAA	Joint Aviation Authorities
JAR-FCL 2	Joint Aviation Requirements Flight Crew Licensing (Helicopters)
JAR-OPS 3	Joint Aviation Requirements Operations 3 (Commercial Transport Helicopters)
JOEB	Joint Operational Evaluation Board
MDR	Master Difference Requirements
MEL	Minimum Equipment List
MMEL	Master Minimum Equipment List
MLI	Multi Limit Instrument
NAA	National Aviation Authority
N/A	Not Applicable
OCV	Organisme du Contrôle en Vol

ODR	Operator Differences Requirements
OEB	Operational Evaluation Board
RFM	Rotorcraft Flight Manual
SEP (H)	Single Engine Piston (Helicopter)
VEMD	Vehicle and Engine Multifunction Display
VFR	Visual Flight Rules

## **2 Introduction**

### **2.1 Background**

This evaluation was conducted by documentation analysis using the information provided by the manufacturer and the determinations of the JOEB Report, initial version, issued by EASA on May 22<sup>nd</sup>, 2009 and of the FSB Report, original revision, issued by FAA on May 31<sup>st</sup>, 2014.

In case more detailed information is required, refer to the JOEB Report and to the FSB report mentioned above.

### **2.2 Objective**

This report presents ANAC collection of results obtained from the operational evaluation of Hélicoptères Guimbal helicopter model Cabri G2.

### **2.3 Purpose**

The purpose of this report is to:

- a. Determine the pilot rating assigned for the Cabri G2 helicopter; and
- b. Recommend the requirements for training, checking and currency applicable to flight crew for the Cabri G2, and functionalities.

### **2.4 Applicability**

The revision original of this report has been concluded before the Brazilian TC issuance for model Cabri G2. In case of incompatibility, this report must be revised and the recommendations presented herein should be reevaluated before its application.

This report is applicable to:

- a. Brazilian operators of the helicopter identified as Cabri G2 who operate under RBHA 91 and RBAC 135 rules;
- b. Approved Training Organizations certified under Brazilian regulations;
- c. Civil Aviation Inspectors (INSPAC) related to safety oversight of Cabri G2 helicopter;



- d. ANAC Principal Operations Inspectors (POIs) of Cabri G2 operators.

## **2.5 Cancellation**

Not applicable.

### **3 Pilot Rating**

According to the RBAC 61 Amendment 06, model Cabri G2 requires a single engine piston helicopter class rating.

### **4 Master Difference Requirements (MDR)**

Reserved for future related aircraft.

### **5 Operator Difference Requirements (ODR)**

Reserved for future related aircraft.

## 6 Specifications for Training, Checking and Currency

Specifications for training, checking and currency are detailed on the EASA JOEB Report mentioned above.

Cabri G2 training courses are divided into two different training patterns:

- For pilots with no previous experience on SEP(H), an initial training course is applicable.
- For pilots with demonstrated experience on SEP(H), credits may be taken on the training course. If the pilot has experience on turbine helicopters only, such credits do not apply.

EXPERIENCE HOLD	No previous SEP(H) Experience	Demonstrated SEP(H) Experience
Single Engine Piston →	-	√
Single Engine Turbine →	√	-
Multi Engine Turbine →	√	-
Total of theoretical knowledge instruction + test	10h00	7h00
Cockpit or Computer Training Self Instruction	2h00	1h00
Flight Training	5h00	2h00

A footprint of the pilot initial and additional training is presented in Appendix 1.

### 6.1 Airmen Minimum Experience for Initial Flight Training

The training courses described on Appendix 1 are considered to be compliant with the requirements of RBAC 61. These courses are recommended to be used as a baseline for Cabri G2 pilot qualification training.

- Candidates with demonstrated SEP(H) experience must:
  - Hold a valid helicopter pilot license; and
  - Hold a single engine piston helicopter class rating.

## 6.2 Training Area of Special Emphasis (TASE)

The following areas of emphasis should be addressed during ground and flight training:

- Electronic Pilot Monitor (EPM) provides flight data and system messaging critical to the safe operation of the helicopter. Training and discipline are required because of the diverse amount of information available through the EPM and the need for the pilot to use it without being excessively distracted.
- The Multiple Limit Indicator (MLI) displays engine parameters and limitations in a relative scale indicating a percent of available power. The PWR depiction on the MLI indicates 145 hp, and the FLO depiction indicates 180 hp. Pilots must understand, and have a working knowledge of the implications on aircraft performance with these indications.
- The BARC (Boitier Alarme Rotor et Carburant) fuel and rotor alarm device provides data to the pilot in the event of an Electronic Pilot Monitor (EPM) failure. The BARC becomes the backup mode to monitor engine and rotor RPM.
- Automatic and manual carburetor anti-ice system.
- Fenestron anti-torque system and low rotor RPM recovery. The fenestron anti-torque system requires a minimum of 85% main rotor RPM to control yaw at full engine torque.
- Knowledge of emergency procedures for engine failure during all phases of flight including cruise. At cruise power settings, and relatively high angles of attack in the main rotor blades, a sudden loss of power can produce rapid main rotor RPM (Nr) decay. This can result in excessive coning and subsequent loss of control. This condition is possible in all helicopters and historically has resulted in catastrophic hull loss.
- Knowledge of aircraft performance determination should be emphasized.
- Crew Resource Management (CRM) for single pilot operations, and controlled flight into terrain awareness (CFIT) procedures

## **7 Compliance to RBHA 91 and RBAC 135**

The GAA conducted a documental analysis of the Compliance Checklist with RBHA 91 and RBAC 135 provided by Hélicoptères Guimbal and it was considered satisfactory.

It does not constitute an approval and the compliance with the Brazilian operational regulations must be evaluated during the initial inspections preceding the aircraft registration with Brazilian marks.

The CCL is included in Appendix 2 of this report and can be used as a reference for operations approval.

## **8 Technical Publications**

### **8.1 Master Minimum Equipment List - MMEL**

No EASA or FAA MMEL was published before the conclusion of this report. However, an FAA draft MMEL version was available at the FAA website indicating that it would soon be approved. Brazilian operators shall use the FAA approved MMEL (or an EASA version, if available) as a basis for developing their MEL.

### **8.2 Rotorcraft Flight Manual - RFM**

The Cabri G2 RFM approved by GGCP/SAR shall be used by Brazilian operators as a basis for developing their Operator Rotorcraft Operations Manual.

## APPENDIX 1

### Cabri G2 Training Footprint

Theoretical knowledge instruction programs and test(s) summary:

Theoretical Knowledge	No previous SEP(H) Experience	Demonstrated SEP(H) Experience
Presentation of the aircraft, structure, transmission, rotors and equipment	8h00	5h00
Limitations		
Normal and abnormal procedures		
Emergency procedures		
Performances		
Weight and balance		
System description		
Normal and contingency operation of the systems		
Avionics, EPM, MLI		
<b>Total theoretical knowledge instruction</b>	8h00	5h00
<b>Final theoretical knowledge test</b>	2h00	2h00
Cockpit or Computer Trainer self instruction	2h00	1h00
<b>Total theoretical knowledge instruction + test</b>	<b>12h00</b>	<b>8h00</b>

Helicopter flight training programs and skill test(s) summary:

Flight Training	No previous SEP(H) Experience	Demonstrated SEP(H) Experience
1. General Handling	01h00	0h45
2. Circuits and Various touch-downs	01h00	-
3. Emergency Procedures EPM, Governor RRM	01h30	-
4. Emergency Procedures EPM, Governor RRM and advanced autorotation	01h30	01h15
<b>Total Flight Training</b>	<b>05h00</b>	<b>02h00</b>
Skill test	Required	Required

## APPENDIX 2

### Compliance Check List with RBHA 91 and RBAC 135

RBHA 91		Project: Cabri G2	
ITEM	TITLE	COMPLIANCE	APPLICANT REMARKS
91.1	Applicability	Definitions	
91.3	Responsibility and authority of the pilot in command.	Operator's Responsibility	
91.5	Pilot in command of aircraft requiring more than one required pilot.	Operator's Responsibility	
91.7	Civil aircraft airworthiness.	Operator's Responsibility	
91.9	Civil aircraft flight manual, marking, and placard requirements.	Title Only	
91.9 (a)	Flight Manual – Operational Limitations		
91.9 (b)	Flight Manual – Available on board	Operator's Responsibility	Specific cabin bag allows easy storage and access of the Flight Manual.
91.9 (c)	Aircraft identified in accordance with the standards RBHA 45	Compliant	Identification plate is fireproof and installed on the central structure flange in the cabin, on the pilot side. It is exposed to the outside, clearly visible from outside of the helicopter.
91.9 (d)	Takeoff or landing at a heliport constructed over water.	Not Applicable	Cabri G2 is CS-27 approved, to be validated RBAC 27.
91.11	Prohibition on interference with crewmembers.	Definitions	
91.13	Careless or reckless operation.	Operator's Responsibility	
91.15	Dropping objects.	Operator's Responsibility	
91.17	Alcohol or drugs	Operator's Responsibility	
91.19	Carriage of narcotic drugs, marihuana, and depressant or stimulant drugs or substances.	Operator's Responsibility	
91.21	Portable electronic devices.	Operator's Responsibility	
91.23	Truth-in-leasing clause requirement in leases and conditional sales contracts.	Operator's Responsibility	

91.25	Aviation Safety Reporting Program: Prohibition against use of reports for enforcement purposes.	Definitions	
91.101	Applicability.	Definitions	
91.102	General Rules	Operator's Responsibility	
91.103	Pre-flight Action	Operator's Responsibility	
91.105	Flight Crewmembers at station	Title Only	
91.105 (a)	During takeoff, landing and while en route.	Operator's Responsibility	
91.105 (b)	Each flight crewmember during takeoff and landing: shoulder belts.	Operator's Responsibility	
91.107	Use of safety belts, shoulder harnesses, and child restraint systems.	Title Only	
91.107 (a)	Unless otherwise authorized by the DAC:	Title Only	
91.107 (a)(1)	Use of seat belts and shoulder belts: takeoff.	Operator's Responsibility	
91.107 (a)(2)	Use of seat belts and shoulder belts: movement area or landing.	Operator's Responsibility	
91.107 (a)(3)	Seat or berth with a safety belt and shoulder belts.	Compliant	Both seats are equipped with 4 strap shoulder harness qualified through regulatory crashworthy tests.
91.107 (b)	Unless otherwise stated, this section does not apply to operations conducted according to RBHA 121 and 135.	Definitions	
91.109	Flight instruction; Simulated instrument flight and certain flight tests.	Title Only	
91.109 (a)	Dual Controls	Compliant	Cabri G2 is equipped with dual controls.
91.109 (b)	Simulated Instrument Flight.	Operator's Responsibility	
91.109 (c)	Pilot in command qualification	Operator's Responsibility	
91.111	Operating near other aircraft	Operator's Responsibility	
91.113 to 91.117	Reserved	Not Applicable	
91.119	Minimum safe altitudes: General.	Operator's Responsibility	
91.121	Reserved	Not Applicable	
91.123	Compliance with ATC clearances and instructions.	Operator's Responsibility	
91.125 to 91.135	Reserved	Not Applicable	
91.137	Temporary flight restrictions in the vicinity of disaster/hazard areas.	Operator's Responsibility	
91.139	Reserved	Not Applicable	



91.141	Flight restrictions in the proximity of the President of the Republic and other authorities	Operator's Responsibility	
91.143	Flight limitation in the proximity of rockets launchers and/or space flight operations.	Operator's Responsibility	
91.144	Temporary restriction on flight operations during abnormally high barometric pressure conditions.	Operator's Responsibility	
91.145	Information on potentially dangerous conditions	Operator's Responsibility	
91.147 and 91.149	Reserved	Not Applicable	
91.151	Fuel requirements for flight in VFR conditions	Operator's Responsibility	
91.153 to 91.165	Reserved	Not Applicable	
91.167	Fuel requirements for flight in IFR conditions.	Operator's Responsibility	
91.169	Reserved	Not Applicable	
91.171	VOR equipment check for IFR operations.	Optionally compliant	VOR are available as optionnal equipments.
91.173	ATC clearance and flight plan required.	Operator's Responsibility	
91.175 a 91.185	Reserved	Not Applicable	
91.187	Operation under IFR in controlled airspace: Malfunction reports	Operator's Responsibility	
91.189	Category II and III operations: General operating rules.	Not Applicable	Cabri G2 is not approved for IFR operations. ILS may be installed as optionnal equipment for training.
91.191	Category II and Category III manual.	Not Applicable	Cabri G2 is not approved for IFR operations. ILS may be installed as optionnal equipment for training.
91.193	Certificate of authorization for certain Category II operations	Not Applicable	Cabri G2 is not approved for IFR operations. ILS may be installed as optionnal equipment for training.
91.201	Reserved	Not Applicable	
91.203	Civil aircraft: Documents required.	Title Only	
91.203 (a)	Documentation on board.	Title Only	
91.203 (a)(1)	Certificate of Aircraft Registration and Airworthiness Certificate, valid, issued by the Brazilian Aeronautical Registry (RAB);	Operator's Responsibility	
91.203 (a)(2)	Flight manual and checklist;	Operator's Responsibility	Specific cabin bag allows easy storage and access of the Flight Manual.
91.203 (a)(3)	NSMA 3-5 and 3-7, dispatched by CENIPA;	Operator's Responsibility	
91.203 (a)(4)	Except for aircraft operated according RBHA 121 or 135;	Operator's Responsibility	

91.203 (a)(5)	For aircraft operating according to RBHA121 or 135, the requirement documents and manuals by RBHA applicable.	Operator's Responsibility	
91.203 (b)	Operation of an experimental aircraft	Operator's Responsibility	
91.203 (c)	Aircraft with a provisional type certificate	Operator's Responsibility	
91.203 (d)	Certificate of Airworthiness for newly manufactured aircraft.	Not Applicable	Cabri G2 is not manufactured in Brasil, but France.
91.203 (e)	Valid certificate and displayed in a location accessible to crew members	Operator's Responsibility	
91.203 (f)	Operation with a fuel tank installed inside the passenger compartment.	Operator's Responsibility	Basic fuel tank is certified in dedicated compartment. Design and use of additional fuel tanks are the responsibility of the operator.
91.203 (g)	No person may operate a civil airplane (domestic or foreign) into or out of an airport in Brazil unless it complies with the fuel venting and exhaust emissions requirements of RBAC 34.	Not Applicable	Cabri G2 is not equipped with turbine, but a piston engine.
91.205	Additionally, RBAC 34 is written in English and is the same as FAA Part 34 Emd 34-03.	Title Only	
91.205 (a)	General.	Operator's Responsibility	
91.205 (b)	Visual-flight rules (day): instruments and equipment required.	Title Only	
91.205 (b)(1)	Airspeed indicator for each pilot required;	Compliant	Manufacturer has no remark.
91.205 (b)(2)	Altimeter for each pilot required;	Compliant	Manufacturer has no remark.
91.205 (b)(3)	Cancelled	Not Applicable	
91.205 (b)(4)	A magnetic direction indicator (compass);	Compliant	Manufacturer has no remark.
91.205 (b)(5)	Tachometer for each engine.	Compliant	Manufacturer has no remark.
91.205 (b)(6)	Oil pressure gauge for each engine using pressure system.	Compliant	Manufacturer has no remark.
91.205 (b)(7)	Temperature gauge for each liquid-cooled engine.	Not Applicable	Engine is air-cooled.
91.205 (b)(8)	Oil temperature gauge for each air-cooled engine.	Compliant	Manufacturer has no remark.
91.205 (b)(9)	Torque gauge and gases temperature gauge for each engine and turbine as applicable;	Not Applicable	Manufacturer has no remark.
91.205 (b)(10)	Rotation rotor gauge for each main engine	Compliant	Manufacturer has no remark.
91.205 (b)(11)	Manifold pressure gauge for each altitude engine.	Compliant	Electronic display (EPM) uses Manifold pressure corrected with temperature and altitude. This is displayed as a power indication, in percentage of maximum allowed power.
91.205 (b)(12)	Fuel gauge indicating the quantity of fuel in each tank.	Compliant	One tank.
91.205 (b)(13)	Landing gear position indicator, if the aircraft has a retractable landing gear.	Not Applicable	Cabri G2 is equipped with skid landing gears.

91.205 (b)(14)	Approved flotation gear readily available	Operator's Responsibility	
91.205 (b)(15)	Approved safety belt	Compliant	Both seats are equipped with 4 strap shoulder harness qualified through regulatory crashworthy tests. Buckles are metal-to-metal type.
91.205 (b)(16)	Approved shoulder belts on every front seat;	Compliant	Manufacturer has no remark.
91.205 (b)(17)	An emergency location transmitter, if required by that regulation 91.207;	Operator's Responsibility	ELT is available as basic equipment.
91.205 (b)(18)	Shoulder Harness	Not Applicable	Manufacturer has no remark.
91.205 (b)(19)	For rotorcraft built after September 16, 1992, a shoulder belt for each seat;	Compliant	Shoulder harness is approved as per RBAC 27.
91.205 (b)(20)	Fire extinguisher portable accessible to the members of the crew flight;	Operator's Responsibility	A fire extinguisher pouch is available for immediate access to the cabin crew. It is the operator's responsibility to install a fire extinguisher.
91.205 (b)(21)	For hydroplanes and amphibious aircraft, at least one anchor and one drogue.	Not Applicable	Manufacturer has no remark.
91.205 (b)(22)	VHF, bilateral radio-communication	Compliant	Bilateral VHF are approved in Cabri G2. Several approved models are available. Dual VHF is optionnaly available.
91.205 (b)(23)	Anti-collision lights	Compliant	Anti-collision light available as approved as per RBAC 27.
91.205 (c)	Visual flight rules (night).	Title Only	
91.205 (c)(1)	Instruments and equipment specified in paragraph (b) of this section being all the instruments adequately illuminated	Compliant	Instruments are illuminated or self illuminated. Installation is approved for night VFR.
91.205 (c)(2)	a gyroscopic attitude indicator (artificial horizon);	Optionally compliant	Attitude horizon available as an option.
91.205 (c)(3)	Approved position lights	Compliant	Manufacturer has no remark.
91.205 (c)(4)	Approved anti-collision light	Compliant	Manufacturer has no remark.
91.205 (c)(5)	Landing lights	Compliant	Manufacturer has no remark.
91.205 (c)(6)	An adequate source of electrical energy for all installed electrical and radio equipment.	Compliant	Manufacturer has no remark.
91.205 (c)(7)	One spare set of fuses, or three spare fuses of each kind required, that are accessible to the pilot in flight	Not Applicable	No fuse installed. Cabri G2 installation uses breakers.
91.205 (c)(8)	A portable electric lantern	Operator's Responsibility	
91.205 (c)(9)	At least one equipment of radio navigational appropriate to each ground station to be used, when flying in controlled area;	Optionally compliant	Radio-navigation equipments are available as optionnals equipments.
91.205 (d)	Instrument Flight rules	Title Only	

91.205 (d)(1)	Instruments and equipment specified in paragraph (b) of this section, and, for night flight, instruments and equipment specified in paragraph (c) of this section.	Not Compliant	Helicopter is not approved for IFR flight. It may only be used as VFR trainer.
91.205 (d)(2)	a VHF system of radio-communication bilateral and at least one equipment of navigation appropriate to the each ground station to be used, including phones (or loudspeakers) and microphones associates;	Not Applicable	Radio-navigation available as an optional equipment.
91.205 (d)(3)	Gyroscopic rate-of-turn indicator for each pilot required	Not Applicable	Available as an optional equipment.
91.205 (d)(4)	Slip-skid indicator for each required pilot	Not Applicable	Available as an optional equipment.
91.205 (d)(5)	Sensitive altimeter adjustable for barometric pressure for each pilot required;	Not Applicable	Installed as basic equipment.
91.205 (d)(6)	a heating system of "pitots" of the anemometric systems;	Not Applicable	Available as an optional equipment.
91.205 (d)(7)	a clock displaying hours, minutes and seconds, sweep second pointer or digital presentation for each pilot required	Not Applicable	Manufacturer has no remark.
91.205 (d)(8)	Generator of adequate capacity.	Not Applicable	Manufacturer has no remark.
91.205 (d)(9)	Gyroscopic pitch and bank indicator (artificial horizon) for each required pilot	Not Applicable	Available as an optional equipment.
91.205 (d)(10)	Gyroscopic direction indicator (directional gyro or equivalent) for each required pilot	Not Applicable	Available as an optional equipment.
91.205 (d)(11)	a vertical speed indicator for each pilot required.	Not Applicable	Installed as basic equipment.
91.205 (e)	Flight at and above 24,000 ft. MSL (FL 240). DME	Not Applicable	Flight envelope limited to 13000 ft.
91.205 (f)	Category II operations. Required equipment and instruments	Not Applicable	IFR operation is not approved.
91.205 (g)	Category III operations. Required equipment and instruments	Not Applicable	IFR operation is not approved.
91.205 (h)	Exclusions. Paragraphs (f) and (g) of this section do not apply to operations conducted by a holder of a certificate issued under RBHA 121 or 135.	Definitions	
91.207	Emergency locator transmitters.	Title Only	
91.207 (a)	Except as provided in paragraphs (e) and (f) of this section, no person may operate a Brazil-registered civil airplane unless--	Title Only	
91.207 (a)(1)	There is attached to the airplane an approved automatic type emergency locator transmitter...	Operator's Responsibility	ELT is available as basic equipment.
91.207 (a)(2)	For operations other than those specified in paragraph (a)(1) of this section, there must be attached to the airplane an approved personal type or an approved automatic type	Operator's Responsibility	Manufacturer has no remark.

91.207 (b)	Each emergency locator transmitter required by paragraph (a) of this section must be attached to the airplane in such a manner that the probability of damage to the transmitter in the event of crash impact is minimized. Fixed and deployable automatic type transmitters must be attached to the airplane as far aft as practicable.	Compliant	Installation approved
91.207 (c)	Batteries used in the ELT required by paragraphs (a) and (b) of this section must be replaced (or recharged, if the batteries are rechargeable)--	Operator's Responsibility	
91.207 (d)	Each emergency locator transmitter required by paragraph (a) of this section must be inspected within 12 calendar months...	Operator's Responsibility	
91.207 (e)	Flying without the ELT	Operator's Responsibility	
91.207 (f)	Paragraph (a) of this section does not apply to--	Operator's Responsibility	Manufacturer has no remark.
91.207 (g)	The ELT required for this section do not substitute the portable ELT required by this regulation and by RBHA 121 and 135 in the flights on great extensions of water (to see paragraphs 91.509(b)(4), 135.167(c) e121.339(a)(4).	Operator's Responsibility	
91.207 (h)	Each ELT on board of an aircraft registered in Brazil must meets the requirements of section 91.225 of this regulation.	Operator's Responsibility	Manufacturer has no remark.
91.207 (i)	From 01 of January of 2007 any new ELT to be installed in airplane registered in Brazil it must possess the frequencies of 121.5 and 406 MHZ...	Operator's Responsibility	ELT is available as basic equipment with frequencies 121.5 and 406.
91.209	Aircraft lights.	Operator's Responsibility	
91.211	Supplemental oxygen.	Title Only	
91.211 (a)	General.	Operator's Responsibility	
91.211 (b)	Pressurized cabin aircraft.	Not Applicable	Manufacturer has no remark.
91.213	Inoperative instruments and equipment.	Title Only	
91.213 (a)	List of minimum equipment and instruments for operation.	Operator's Responsibility	MMEL is under EASA and FAA approval process.
91.213 (b)	The following instruments and equipment may not be included in a Minimum Equipment List:	Operator's Responsibility	
91.213 (c)	A person authorized to use a MEL approved for DAC according...	Operator's Responsibility	
91.213 (d)	Operating without a MEL approved by DAC and inoperative instruments or equipment.	Operator's Responsibility	
91.213 (e)	Notwithstanding any other provision of this section, an aircraft with inoperable instruments or equipment may be operated under a special flight permit issued in accordance with RBHA 21.197 and 21.199.	Operator's Responsibility	

91.215	ATC transponder and altitude reporting equipment and use.	Operator's Responsibility	Mode A, C, S, S with Extended Squitter for ADSB transponders are available as optional equipments.
91.217	Data correspondence between automatically reported pressure altitude data and the pilot's altitude reference.		
91.217 (a)	Deactivation of equipment	Operator's Responsibility	
91.217 (b)	The equipment was tested and calibrated to transmit altitude data corresponding within 125 feet of the indicated or calibrated datum of the altimeter normally used to maintain flight altitude,	Operator's Responsibility	Calibrated at factory delivery. Maintenance as per approved regulation.
91.217 (c)	Unless the altimeters and digitizers in that equipment meet the standards of TSO-C10b and TSO-C88, respectively.	Compliant	Altitude encoders installed as basic equipments meet TSO C10B & C88.
91.219	Altitude alerting system or device: Turbojet-powered civil airplanes.	Operator's Responsibility	No such equipment approved by the manufacturer as of now.
91.221	Traffic alert and collision avoidance system equipment and use.	Title Only	
91.221 (a)	All airspace: Brazil-registered civil aircraft. Any traffic alert and collision avoidance system installed in a Brazil - registered civil aircraft must be approved by the Administrator.	Operator's Responsibility	No such equipment approved by the manufacturer as of now.
91.221 (b)	Traffic alert and collision avoidance system, operation required.	Operator's Responsibility	
91.221 (c)	(Airspace RVSM (Reduced Vertical Separation Minimum). Notwithstanding the provide one in paragraph (b) of this section, when operating an aircraft in airspace RVSM, no person can shall have ACAS system on and operating unless this system is of type ACAS II (TCAS II, type 7.0).	Operator's Responsibility	No such equipment approved by the manufacturer as of now.
91.221 (d)	Aircraft transport category configured with more than 30 seats, that they have received its first one Airworthiness Certified (independent of the issuer country) in or after 01 of January of 2008, must be equipped with a system ACAS II (TCAS II, type 7.0 or superior).	Not Applicable	Manufacturer has no remark.
91.221 (e)	Aircraft transport category configured with more than 30 seats, that they have received its first one Airworthiness Certified (independent of the issuer country) in or after 01 of January of 2010, must be equipped with a system ACAS II (TCAS II, type 7.0 or superior).	Not Applicable	Manufacturer has no remark.
91.223	Terrain awareness and warning system. (EGPWS)	Not Applicable	No turbine engine. No such equipment approved by the manufacturer as of now.
91.223 (a)	Airplanes manufactured after December 31, 2003....	Not Applicable	No turbine engine. No such equipment approved by the manufacturer as of now.
91.223 (b)	Airplanes manufactured on or before January 01, 2004....	Not Applicable	No turbine engine. No such equipment approved by the manufacturer as of now.

91.223 ( c)	Airplane Flight Manual. The Airplane Flight Manual shall contain appropriate procedures	Not Applicable	No turbine engine. No such equipment approved by the manufacturer as of now.
91.225	All the electronic equipment on board required by this regulation and the RBHA 121 and 135 that they receive and/or they transmit radio signals of/to control systems stations of air traffic, meteorology and searches and rescue must comply with norms and specifications established by Department of Control of Airspace (Departamento de Controle do Espaço Aéreo – DECEA).	Operator's Responsibility	Installations can be proposed by Manufacturer.
91.301	Reserved	Not Applicable	
91.303	Aerobatic flight.	Operator's Responsibility	
91.305	Flight test areas.	Operator's Responsibility	
91.307	Parachutes and parachuting.	Operator's Responsibility	
91.309	Towing: Gliders.	Operator's Responsibility	
91.311	Towing: Other than under Sec. 91.309.	Operator's Responsibility	
91.313	Restricted category civil aircraft: Operating limitations.	Operator's Responsibility	
91.315	Limited category civil aircraft: Operating limitations.	Operator's Responsibility	
91.317	Provisionally certificated civil aircraft: Operating limitations.	Operator's Responsibility	
91.319	Aircraft having experimental certificates: Operating limitations.	Operator's Responsibility	
91.321	Civil aircraft with certificate of flight authorization. Operation limits	Operator's Responsibility	
91.323	Primary Category Aircraft: Operating limitations	Operator's Responsibility	
91.325	Helicopter Operation in Eventual Landing Area	Operator's Responsibility	
91.327	Operation of helicopters in places not approved or registered.	Operator's Responsibility	
91.329 a 91.333	Reserved	Not Applicable	
91.401	Applicability.	Definitions	
91.403	General	Title Only	
91.403 (a)	The owner or operator of an aircraft is primarily responsible for maintaining that aircraft in an airworthy condition, including compliance with RBHA 39 , subparagraph (b)(1) (information of defects to the DAC)	Definitions	
91.403 (b)	No person may perform maintenance, preventive maintenance, or alterations on an aircraft other than as prescribed in this subpart and other applicable regulations, Including RBHA 43.	Operator's Responsibility	

91.403 (c)	Manufacturer's maintenance manual or Instructions for Continued Airworthiness possessing an Airworthiness Limitations section.	Operator's Responsibility	
91.403 (d)	Report on Condition of Airworthiness.	Operator's Responsibility	
91.403 (e)	Declaration of Inspection Annual Maintenance	Operator's Responsibility	
91.403 (f)	Report of Condition and Airworthiness Checklist	Operator's Responsibility	
91.403 (g)	Initial or Special Technical Inspection	Definitions	
91.403 (h)	Procedures for processing the RCA are established in Education Civil Aviation Authority.	Definitions	
91.403 (i)	Certifying an AML.	Definitions	
91.405	Maintenance required.	Operator's Responsibility	
91.407	Operation after maintenance, preventive maintenance, rebuilding, or alteration.	Operator's Responsibility	
91.409	Inspections.	Title Only	
91.409 (a)	Inspections.	Operator's Responsibility	Manufacturer Maintenance Manual defines 50-, 100-, 500- hour inspections and gearbox overhauls to be applied.
91.409 (a)(1)	Annual Maintenance Inspection (AMI) in accordance with RBHA 43.	Operator's Responsibility	A 100 h inspection / 12 months inspection is defined by Manufacturer Maintenance Manual.
91.409 (a)(2)	Initial survey to obtain an airworthiness certificate in accordance with RBHA 21	Operator's Responsibility	Manufacturer has no remark.
91.409 (b)	100 hrs Inspection	Operator's Responsibility	A 100 h inspection / 12 months inspection is defined by Manufacturer Maintenance Manual.
91.409 (c)	Paragraphs (a) and (b) of this section shall not apply to	Operator's Responsibility	Manufacturer has no remark.
91.409 (d)	Progressive inspection.	Operator's Responsibility	Manufacturer has no remark.
91.409 (e)	Large airplanes (to which part 125 is not applicable), turbojet multiengine airplanes, turbo-propeller-powered multiengine airplanes, and turbine-powered rotorcraft.	Not Applicable	Manufacturer has no remark.
91.409 (f)	Selection of inspection program under paragraph (e) of this section.	Not Applicable	Manufacturer has no remark.
91.409 (f)(1)	An inspection program for continued airworthiness...	Not Applicable	Manufacturer has no remark.
91.409 (f)(2)	A program of inspections.	Not Applicable	Manufacturer has no remark.
91.409 (f)(3)	A current inspection program recommended by the manufacturer.	Not Applicable	Manufacturer has no remark.
91.409 (f)(4)	Any other inspection program approved by DAC	Not Applicable	Manufacturer has no remark.
91.409 (g)	Inspection program approved under paragraph (e) of this section.	Not Applicable	Manufacturer has no remark.
91.409 (h)	Change an inspection program to another.	Not Applicable	Manufacturer has no remark.



91.410	Special maintenance program requirements.	Title Only	
91.410 (a)	Limitation on number of cycle / aircraft.	Not Applicable	Manufacturer has no remark.
91.410 (b)	Instructions for maintenance and inspection of fuel tank system.	Not Applicable	Manufacturer has no remark.
91.411	Altimeter system and altitude reporting equipment tests and inspections. (Mode C)	Title Only	
91.411 (a)	Testing and inspection static pressure system according to RBHA 43 appendix E.	Not Applicable	Manufacturer provides compliant equipment for VFR use at delivery.
91.411 (b)	The tests required by paragraph (a) of this section must be conducted by the manufacturer	Not Applicable	Manufacturer has no remark.
91.411 (c)	Altimeter and altitude reporting equipment approved under Technical Standard Orders are considered to be tested and inspected as of the date of their manufacture.	Definitions	
91.411 (d)	No person may operate an airplane, or helicopter, in controlled airspace under IFR at an altitude above the maximum altitude at which all altimeters and the automatic altitude reporting system of that airplane, or helicopter, have been tested.	Operator's Responsibility	
91.413	ATC transponder tests and inspections.	Title Only	
91.413 (a)(1)	Use of ATC transponder	Operator's Responsibility	
91.413 (a)(2)	Use an ATC transponder	Operator's Responsibility	Manufacturer has no remark.
91.413 (b)(1)	The tests and inspections specified in this section must be conducted by—a certificated repair station.	Operator's Responsibility	
91.413 (b)(2)	The tests and inspections specified in this section must be conducted by—the holder of continuous airworthiness maintenance program	Operator's Responsibility	
91.413 (b)(3)	The tests and inspections specified in this section must be conducted by—the manufacturer of the aircraft	Operator's Responsibility	Manufacturer has no remark.
91.415	Changes to aircraft inspection programs.	Operator's Responsibility	
91.417	Maintenance records.	Operator's Responsibility	
91.419	Transfer of maintenance records.	Title Only	
91.419 (a)	Records specified in 91.417 (a)(2)	Operator's Responsibility	
91.419 (b)	Records specified in 91.417(a) (1) that are not included in the records requested by paragraph (a) of this section	Operator's Responsibility	
91.421	Rebuilt engine maintenance records.	Operator's Responsibility	

91.423	Weighing and Balancing of Aircraft	Operator's Responsibility	
91.501	Applicability	Definitions	
91.503	Flying equipment and operating information	Operator's Responsibility	Required procedures are available in the Flight Manual.
91.505	Familiarization with operational limitations and emergency equipments	Operator's Responsibility	Manufacturer has no remark.
91.507	Equipment requirements: night VFR operations	Operator's Responsibility	VFR approved installation is available by the manufacturer.
91.509	Survival equipment for overwater operations	Operator's Responsibility	Manufacturer has no remark.
91.511	Radio communication equipment appropriate to the facilities	Operator's Responsibility	Manufacturer has no remark.
91.513	Emergency equipment	Operator's Responsibility	Manufacturer has no remark.
91.517 (a)	Passenger Information	Operator's Responsibility	Bilingual english/portugese stickers are available for passenger information placards.
91.517 (b)(c)(d)(e)	Passenger Information	Operator's Responsibility	Manufacturer has no remark.
91.519	Oral Instructions to Passengers	Operator's Responsibility	Manufacturer has no remark.
91.521	Shoulder harness	Compliant	RBAC 27 approved harness.
91.523	Hand Luggage	Not Applicable	Manufacturer has no remark.
91.525	Carriage of cargo	Operator's Responsibility	Two Luggage compartments are available with dedicated weight limits. Optionnal luggage brackets are approved for cargo attachment in place of left seat.
91.527	Operating in icing conditions	Not Compliant	Manufacturer has no remark.
91.529	Flight engineer requirements	Operator's Responsibility	
91.531	Second in command requirements	Operator's Responsibility	
91.533	Flight attendant requirements	Not Applicable	Manufacturer has no remark.
91.535	Storage of food, drink...	Operator's Responsibility	
91.537	RVSM	Operator's Responsibility	Manufacturer has no remark.
91.601	Applicability	Definitions	
91.603	Aural speed warning device	Not Applicable	Manufacturer has no remark.
91.605	Transport category civil airplane weight limitations	Not Applicable	Manufacturer has no remark.
91.607	Emergency exits for airplanes carrying passengers for hire	Not Applicable	Two emergency exit are available.
91.609	Flight data recorders and cockpit voice recorders	Operator's Responsibility	No recorder is installed. Dataport available for EPM data.

91.611 to 91.613	Applicability	Operator's Responsibility	
91.701 to 91.715	Applicability	Operator's Responsibility	
91.801	Applicability	Definitions	
91.803	Regulatory Basis	Definitions	
91.805	Operating limitations. Subsonic reaction	Operator's Responsibility	
91.807	Operating limitations. Propeller planes and helicopters	Operator's Responsibility	
91.809 to 91.813	Reserved	Not Applicable	
91.815	Agricultural aircraft and firefighting. Limitations	Operator's Responsibility	
91.817	Sonic boom in Civil Aircraft	Operator's Responsibility	
91.901	Reserved	Not Applicable	
91.903	Philosophy and Procedures	Definitions	
91.905	List of Rules that Can Awards Special	Definitions	
91.951 to 91.965	Applicability	Operator's Responsibility	

<b>RBAC 135</b>		<b>Project: Cabri G2</b>	
<b>ITEM</b>	<b>TITLE</b>	<b>COMPLIANCE</b>	<b>APPLICANT REMARKS</b>
135.1	Applicability	Definitions	
135.2	Compliance Program for Operators	Operator's Responsibility	
135.3	Special rules apply to transactions subject to these Regulations	Operator's Responsibility	
135.4	Reserved		
135.7	Applicability of rules to unauthorized operators.	Definitions	
135.9 (a) (11)	Reserved		
135.12	Tripulantes Treinados Previamente	Operator's Responsibility	
135.13 a 17	Reserved		
135.19	Emergency operations.	Operator's Responsibility	
135.21	Manual requirements.	Operator's Responsibility	
135.23	Manual contents	Operator's Responsibility	
135.25	Aircraft requirements	Operator's Responsibility	
135.27 a 135.39	Reserved		
135.41	Carriage of narcotic drugs, marihuana, and depressant or stimulant drugs or substances	Operator's Responsibility	
135.43	Reserved		
135.61	General.	Definitions	
135.62	Reserved		
135.63	Recordkeeping requirements	Operator's Responsibility	
135.64	Retention of contracts and amendments: Commercial operators who conduct intrastate operations for compensation or hire	Operator's Responsibility	
135.65	Book (s) Records of the Crew and Aircraft	Operator's Responsibility	

135.67	Reporting potentially hazardous meteorological conditions and irregularities of ground facilities or navigation aids	Operator's Responsibility	
135.69	Restriction or suspension of operations: Continuation of flight in an emergency	Operator's Responsibility	
135.71	Airworthiness check	Operator's Responsibility	
135.73	Inspections and tests	Operator's Responsibility	
135.75	Inspectors credentials: admission to pilots' compartment: Forward observer's seat.	Title Only	
135.75 a)	Access to the compartment by a INSPAC pilot of that aircraft.	Operator's Responsibility	
135.75 (b)	Observer seat in the compartment of the pilots	Operator's Responsibility	
135.75 (c)	Observer seat in the compartment of the pilots - occupancy during takeoff and landing	Operator's Responsibility	
135.75 (d)	Sitting in the passenger compartment available	Operator's Responsibility	
135.77	Responsibility for operational control	Operator's Responsibility	
135.79	Flight locating requirements	Operator's Responsibility	
135.80	Information on the Emergency Equipment and Survival	Operator's Responsibility	
135.81	Informing personnel of operational information and appropriate changes.	Operator's Responsibility	
135.83	Operating information required	Title Only	
135.83 (a)	Materials accessible to the pilot in their workplace and compulsory use in flight:	Title Only	
135.83 (a)(1)	A cockpit checklist	Operator's Responsibility	
135.83 (a)(2)	Emergency cockpit checklist	Not Applicable	Single engine
135.83 (a)(3)	Relevant aeronautical charts;	Operator's Responsibility	
135.83 (a)(4)	Charts in airways of terminal areas of IFR approach and departure;	Operator's Responsibility	
135.83 (a)(5)	Performance data on one engine inoperative climb	Not Applicable	Single engine
135.83 (b)	Contents checklist:	Definitions	
135.83 (c)	Contents checklist of emergency:	Operator's Responsibility	Recommended emergency procedures are available in the Flight Manual.
135.85	Carriage of persons without compliance with the passenger-carrying provisions of this part.	Operator's Responsibility	

135.87	Carriage of cargo including carry-on baggage.	Title Only	
135.87 (a)	Carried in an approved cargo rack, bin, or compartment	Operator's Responsibility	Two Luggage compartments are available with dedicated weight limits.
135.87 (b)	Secured by an approved means	Operator's Responsibility	Optionnal luggage brackets are approved for cargo attachment in place of left seat.
135.87 (c)	Carried in accordance with...	Operator's Responsibility	
135.87 (d)	Means to prevent articles of baggage stowed under it from sliding under crash impacts	Not Applicable	No hard object can be stored under seats to allow crashworthy seats to be operative.
135.87 (e)	Cargo compartments requiring physical entry of a crew member.	Not Applicable	Manufacturer has no remark
135.89	Pilot requirements: Use of oxygen	Title Only	
135.89 (a)	Unpressurized aircraft.	Operator's Responsibility	Manufacturer has no remark
135.89 (b)	Pressurized aircraft	Not Applicable	Manufacturer has no remark
135.91	Oxygen for medical use by passengers	Operator's Responsibility	
135.93	Autopilot: Minimum altitudes for use.	Not Applicable	No autopilot available.
135.95	Airmen: Limitations on use of services	Operator's Responsibility	
135.97	Aircraft and facilities for recent flight experience	Operator's Responsibility	
135.99	Composition of flight crew	Operator's Responsibility	
135100	Flight crewmember duties	Operator's Responsibility	
135101	Second in command required under IFR	Operator's Responsibility	
135103	Permanence of Passengers on Board Ground	Operator's Responsibility	
135105	Exception to second in command requirement: Approval for use of autopilot system	Operator's Responsibility	
135107	Flight attendant crewmember requirement	Operator's Responsibility	
135109	Pilot in command or second in command: Designation required	Operator's Responsibility	
135.111	Second in command required in category II operations	Not Applicable	No IFR operation allowed.
135.113	Passenger occupancy of pilot seat	Operator's Responsibility	Manufacturer has no remark
135115	Manipulation of controls	Operator's Responsibility	
135117	Briefing of passengers before flight	Operator's Responsibility	
135119	Prohibition against carriage of weapons	Operator's Responsibility	

135120	Prohibition on interference with crewmembers	Operator's Responsibility	
135121	Alcoholic beverages	Operator's Responsibility	
135122	Stowage of food, beverage, and passenger service equipment during aircraft movement on the surface, takeoff, and landing.	Operator's Responsibility	
135123	Emergency and emergency evacuation duties	Operator's Responsibility	
135125	Airplane security	Operator's Responsibility	
135127	Passenger information	Title Only	
135.127(a)	The operator shall not permit anyone or flight crew member to smoke in an aircraft operated under this RBAC.	Operator's Responsibility	No smoking placard is installed as basic placard and is in the Flight Manual limitations section.
135.127(b)	No smoking illuminated sign or placard	Operator's Responsibility	Manufacturer has no remark
135.127(c)	Lavatory	Not Applicable	No lavatory
135.127(d)	Obstruct, shut down or destroy a smoke detector installed in the lavatory.	Not Applicable	No lavatory
135.127(e)	Requirements for passenger information	Operator's Responsibility	
135.127(f)	Verbal instructions of the crew	Definitions	
135128	Use of safety belts and child restraint systems	Title Only	
135.128(a)	Approved seat or bed, with individual seat belts.	Operator's Responsibility	Manufacturer has no remark
135.128(b)	Child safety seat occupied provided by parents	Operator's responsibility	
135.129 (d)(e)	Exit seating	Operator's Responsibility	Manufacturer has no remark
135141	Applicability.	Definitions	
135143	General requirements.	Title Only	
135.143(a)	The aircraft and equipment meet the applicable rules of the RBHA.	Operator's Responsibility	
135.143(b)	Instruments and equipment approved and in operable condition.	Operator's Responsibility	
135.143(c)	ATC transponder equipment	Operator's Responsibility	Transponder installed at delivery comply.
135144	Portable electronic devices	Operator's Responsibility	
135.145	Flights Operational Evaluation	Operator's Responsibility	Manufacturer has no remark
135.147	Dual controls required.	Operator's Responsibility	Cabri G2 is certified CS/FAR/RBAC 27 with dual controls
135148	Reserved	Not Applicable	

135149	Equipment requirements: General.	Title Only	
135.149(a)	Sensitive altimeter	Operator's Responsibility	Cabri G2 is certified CS/FAR/RBAC 27 with altimeter
135.149(b)	Heating or deicing equipment for each carburetor	Operator's Responsibility	Cabri G2 is certified CS/FAR/RBAC 27 carburettor deicing system
135.149(c)	Artificial horizon - the third indicator	Not Applicable	Manufacturer has no remark
135.149(d)	Reserved	Not Applicable	
135.149(e)	Aircraft with turbine engines - other equipment	Operator's Responsibility	
135.150	Public address and crewmember interphone systems.	Not Applicable	Manufacturer has no remark
135.151	Cockpit voice recorders.	Not Applicable	Manufacturer has no remark
135.152	Flight recorders.	Not Applicable	Manufacturer has no remark
135.152a	Recorder Digital Flight Data for Aircraft with 10-19 seats.	Not Applicable	Manufacturer has no remark
135.153	Ground proximity warning system.	Not Applicable	Manufacturer has no remark
135.154	Terrain awareness and warning system.	Title Only	
135.154(a)	Airplanes manufactured <b>after December 31, 2003</b>	Title Only	
135.154(a)(1)	Airplanes with turbine engines with 10 or more seats for passengers	Not Applicable	Manufacturer has no remark
135.154(a)(2)	Airplanes with turbine engines with 6-9 passenger seats	Not Applicable	Manufacturer has no remark
135.154(b)	Airplane manufactured on or before January 1, 2004	Not Applicable	Manufacturer has no remark
135.154(c)	Airplane Flight Manual.	Not Applicable	Manufacturer has no remark
135.155	Fire extinguishers: Passenger-carrying aircraft.	Not Applicable	Compliant fire extinguisher support is available as an option
135157	Oxygen equipment requirements.	Title Only	
135.157(a)	Unpressurized aircraft.	Operator's Responsibility	No system provided by Manufacturer.
135.157(b)	Pressurized aircraft.	Not Applicable	Manufacturer has no remark
135.157(c)	The equipment required by this section must be able to:	Operator's Responsibility	
135.158	Pitot heat indication systems.	Not Applicable	A heated Pitot system is under development by manufacturer.



135159	Equipment requirements: Carrying passengers under VFR at night or under VFR over-the-top conditions.	Title Only	
135.159(a)	A gyroscopic rate-of-turn indicator	Operator's Responsibility	Compliant equipment is available
135.159 (b)	A slip indicator	Operator's Responsibility	Compliant equipment is available
135.159 (c)	A gyroscopic bank-and-pitch indicator.	Operator's Responsibility	Compliant equipment is available
135.159 (d)	A gyroscopic direction indicator.	Optionally compliant	Compliant equipment is available
135.159 (e)	A generator or generators able to supply all probable combinations of continuous in-flight electrical loads for required equipment and for recharging the battery	Operator's Responsibility	Compliant equipment is available
135.159 (f)	For night flights:	Title Only	
135.159 (f)(1)	An anti-collision light system;	Operator's Responsibility	Compliant equipment is available
135.159 (f)(2)	Instrument lights	Operator's Responsibility	Compliant equipment is available
135.159(f)(3)	Flashlight	Operator's Responsibility	
135.159(g)	Continuous electrical load in flight	Operator's Responsibility	Compliant equipment is available
135161	Radio and navigational equipment: Carrying passengers under VFR at night or under VFR over-the-top.	Title Only	
135.161(a)	Radio equipment for bilateral communications	Operator's Responsibility	Compliant equipment is available
135.161(b)	Radio navigation equipment	Operator's Responsibility	Compliant equipment is available
135.161(c)	No person may operate an aircraft carrying passengers in flight under VFR or IFR in controlled areas, unless it is equipped with a radio equipment for bilateral communications capable of transmitting and receiving a ground station.		
135163	Equipment requirements: Aircraft carrying passengers under IFR.	Title Only	
135.163(a)	Required a vertical speed indicator for each pilot.	Not Applicable	Cabri G2 is not approved for IFR operation
135.163(b)	A free-air temperature indicator;	Not Applicable	Cabri G2 is not approved for IFR operation
135.163(c)	A heated pitot tube for each airspeed indicator;	Not Applicable	Cabri G2 is not approved for IFR operation
135.163(d)	A power failure warning device	Not Applicable	Cabri G2 is not approved for IFR operation
135.163(e)	An alternate source of static pressure	Not Applicable	Cabri G2 is not approved for IFR operation
135.163(f)	For a single-engine aircraft:	Not Applicable	Cabri G2 is not approved for IFR operation

135.163(g)	For multi-engine aircraft, at least two generators or alternators each of which is on a separate engine	Not Applicable	Cabri G2 is not approved for IFR operation
135.163(h)	Two independent sources of energy for gyroscopic instruments	Not Applicable	Cabri G2 is not approved for IFR operation
135.163(i)	Continuous electrical load in flight	Definitions	
135165	Radio and navigational equipment: Extended overwater or IFR operations.	Title Only	
135.165(a)	The reaction plane with 10 or more passenger seats, or engine airplane in an additional operation.	Not Applicable	Cabri G2 is not approved for IFR operation. Approved pop-out floats available
135.165(b)	IFR or over large expanses of water	Title Only	
135.165(b)(1)	A transmitter;	Not Applicable	Cabri G2 is not approved for IFR operation
135.165(b)(2)	Two microphones;	Not Applicable	Cabri G2 is not approved for IFR operation
135.165(b)(3)	Two headphones or an earpiece and speaker;	Not Applicable	Cabri G2 is not approved for IFR operation
135.165(b)(4)	A marker beacon receiver	Not Applicable	Cabri G2 is not approved for IFR operation
135.165(b)(5)	Two independent receivers for navigation;	Not Applicable	Cabri G2 is not approved for IFR operation
135.165(b)(6)	Two independent receivers for communications, and	Not Applicable	Cabri G2 is not approved for IFR operation
135.165(b)(7)	An additional transmitter.	Not Applicable	Cabri G2 is not approved for IFR operation
135.165(b)(8)	Helicopters in offshore operations, if required, a marine VHF.	Not Applicable	Cabri G2 is not approved for IFR operation
135.165(c)	Receiver Independent	Title Only	
135.165(d)	Authorization for use of a single system of long-range navigation and a single communications system for long-range operations over large expanses of water.	Operator's Responsibility	
135.165(e)	Operation over a large expanse of water	Definitions	
135166	Emergency equipment. Operation on land or uninhabited jungle	Operator's responsibility	
135167	Emergency equipment. Operation on Large extensions of water and off-shore operations with helicopters.	Title Only	
135.167(a)	Operate an aircraft over large expanses of water.	Title Only	
135.167(a)(1)	A life preserver equipped with locator light to survive.	Operator's responsibility	
135.167(a)(2)	Approved liferafts	Operator's Responsibility	
135.167(b)	Liferafts	Not Applicable	Cabri G2 is not approved for IFR operation. Approved pop-out floats available

135.167(c)	Emergency locator transmitter fixed to one of the boats.	Not Applicable	Manufacturer has no remark
135.167(d)	Helicopters operating in fixed or floating platforms.	Not Applicable	Manufacturer has no remark
135.167(e)	Operation over a large expanse of water.	Definitions	
135169	Additional airworthiness requirements.	Title Only	
135.169(a)	Operation of a large airplane.	Not Applicable	Manufacturer has no remark
135.169(b)	Operation of a small plane with a conventional engine or turboprop, with 10 passenger seats or more.	Not Applicable	Manufacturer has no remark
135.169(c)	Small plane with a passenger configuration of 10 seats or more.	Not Applicable	Manufacturer has no remark
135.169(d)	Cargo or baggage compartments:	Not Applicable	Manufacturer has no remark
135.169(e)	Reports of conversions and reconfigurations (retrofit.)	Not Applicable	Manufacturer has no remark
135.170	Materials for compartment interiors.	Not Applicable	Materials for interiors are approved under CS/FAR27.
135171	Shoulder harness installation at flight crewmember stations.	Title Only	
135.171(a)	The reaction plane or having 10 passenger seats or more	Not Applicable	Shoulder harness are approved and compliant.
135.171(b)	Seat belts and shoulder to crew placed and adjusted during takeoffs and landings.	Operator's Responsibility	
135.173	Airborne thunderstorm detection equipment requirements.	Not Applicable	Manufacturer has no remark
135.175	Airborne weather radar equipment requirements.	Operator's Responsibility	Manufacturer has no remark
135.177	First Aid Kit	Not Applicable	Manufacturer has no remark
135.178	Except to paragraph (g) of this section which is applicable to any aircraft, no person may operate an airplane having a passenger seating configuration of more than 19 seats, unless it has the additional emergency equipment specified in paragraphs (a) through (l) of this section.	Title Only	
135.178(a) to (f)	Additional emergency equipment.	Not Applicable	Manufacturer has no remark
135.178(g)	Exterior exit markings. Each passenger emergency exit and the means of opening that exit from the outside must be marked on the outside of the airplane. There must be a 5 cm(2-inch) colored band outlining each passenger emergency exit on the side of the fuselage. Each outside marking, including the band, must be readily distinguishable from the surrounding fuselage area by contrast in color. The markings must comply with the following:	Operator's Responsibility	Cabri G2 is a two seat helicopter. Exit doors consist in both normal doors. They are marked as emergency exit at per CS/FAR27.

135.178(g)(1)	If the reflectance of the darker color is 15 percent or less, the reflectance of the lighter color must be at least 45 percent.	Operator's Responsibility	Manufacturer has no remark
135.178(g)(2)	If the reflectance of the darker color is greater than 15 percent, at least a 30 percent difference between its reflectance and the reflectance of the lighter color must be provided.	Operator's Responsibility	Manufacturer has no remark
135.178(g)(3)	Exits that are not in the side of the fuselage must have the external means of opening and applicable instructions marked conspicuously in red or, if red is inconspicuous against the background color, in bright chrome yellow. Additionally, when the opening means for such an exit is located on only one side of the fuselage, a conspicuous marking to that effect must be provided on the other side. "Reflectance" is the ratio of the luminous flux reflected by a body to the luminous flux it receives.	Compliant	Exit are on both sides of the fuselage.
135.179	Inoperable instruments and equipment.	Title Only	
135.179(a)	Aircraft with inoperative instruments and equipment installed	Operator's Responsibility	
135.179(b)	The following instruments and equipment may not be included in the MEL:	Definitions	
135.179(c)	Special Flight Permit	Operator's Responsibility	
135.180	Traffic Alert and Collision Avoidance System.	Not Applicable	Manufacturer has no remark
135181	Performance requirements: Aircraft operated in IFR conditions.	Operator's Responsibility	
135183	Performance requirements: Land aircraft operated over water.	Title Only	
135.183(a)	Operating at an altitude required to achieve land in case of engine failure;	Operator's Responsibility	Manufacturer has no remark
135.183(b)	Operation needed for takeoff and landing;	Operator's Responsibility	
135.183(c)	Multi-engined aircraft - maximum weight	Not Applicable	Single engine
135.183(d)	Helicopter equipped with flotation device	Operator's Responsibility	Approved pop-out floats are available.
135185	Empty weight and center of gravity: Currency requirement.	Title Only	
135.185(a)	Empty weight and center of gravity calculated within the previous 36 months.	Operator's Responsibility	
135.185(b)	Exceptions.	Operator's Responsibility	
135201	Applicability	Definitions	

135203	VFR: Minimum altitudes.	Operator's Responsibility	
135205	VFR: Visibility requirements	Operator's Responsibility	
135207	VFR: Helicopter surface reference requirements.	Operator's Responsibility	
135209	VFR: Fuel supply.	Operator's Responsibility	
135211	VFR: Over-the-top carrying passengers: Operating limitations.	Operator's Responsibility	
135213	Weather reports and forecasts	Operator's Responsibility	
135215	IFR: Operating limitations	Operator's Responsibility	
135217	IFR: Takeoff limitations	Operator's Responsibility	
135219	IFR: Destination airport weather minimums	Operator's Responsibility	
135221	IFR: Alternate airport weather minimums.	Operator's Responsibility	
135223	IFR: Alternate airport requirements	Operator's Responsibility	
135225	IFR: Takeoff, approach and landing minimums	Operator's Responsibility	
135227	Icing conditions: Operating limitations	Operator's Responsibility	
135229	Airport requirements.	Operator's Responsibility	
135241	Applicability	Definitions	
135242	Flight Crew General...	Operator's Responsibility	
135243	Pilot in command qualifications.	Operator's Responsibility	
135244	Operational experience: Pilot in Command...	Operator's Responsibility	
135245	Prerequisites for Second in Command...	Operator's Responsibility	
135247	Recent experience: Pilot in Command....	Operator's Responsibility	
135249	Reserved	Not Applicable	
135.261 to 135.273	Applicability	Operator's Responsibility	
135.291 to 135.303	Applicability.	Operator's Responsibility	
135.321 to 135.351	Applicability and terms used.	Operator's Responsibility	

135.361 to 135.399	Applicability	Operator's Responsibility	Aircraft performance are given in the Flight Manual.
135411	Applicability.	Operator's Responsibility	
135412	Facilities and Resources for Maintenance, Preventive Maintenance, Modifications and Repairs.	Operator's Responsibility	
135413	Responsibility for airworthiness.	Operator's Responsibility	
135415	Service Difficulty Report (Operational)	Operator's Responsibility	
135416	Service Difficulty Report (Structural)	Operator's Responsibility	
135417	Mechanical interruption summary report.	Operator's Responsibility	
135419	Approved aircraft inspection program	Operator's Responsibility	
135421	Additional maintenance requirements	Title Only	
135.421(a)	Type certificated aircraft with a configuration of 9 seats for passengers or less	Operator's Responsibility	Refer to latest edition of manufacturer maintenance manual.
135.421(b)	Manufacturer's maintenance program	Operator's Responsibility	Refer to latest edition of manufacturer maintenance manual.
135.421(c)	Single-engine airplane used in operations under IFR passenger transport	Not Applicable	No IFR operation allowed.
135.421(d)	Single-engine airplane used in operations under IFR, carrying passengers...	Not Applicable	No IFR operation allowed.
135.421(e)	Single-engine airplane carrying passengers in IFR conditions	Not Applicable	No IFR operation allowed.
135423	Maintenance, preventive maintenance, and alteration organization	Operator's Responsibility	
135425	Maintenance, preventive maintenance, and alteration programs	Operator's Responsibility	
135427	Manual requirements	Operator's Responsibility	
135429	Required inspection personnel	Operator's Responsibility	
135431	Continuing analysis and surveillance	Operator's Responsibility	
135433	Maintenance and preventive maintenance training program	Operator's Responsibility	
135435	Certificate requirements.	Operator's Responsibility	
135437	Authority to perform and approve maintenance, preventive maintenance, and alterations.	Operator's Responsibility	
135439	Maintenance recording requirements	Title Only	

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135441	Transfer of maintenance records	Title Only	
135443	Airworthiness documentation and notes in the Aircraft Maintenance Records	Operator's Responsibility	