

SPECIFIC PILOT DRONES COURSE

RPAS (REMOTELY PILOTED AIRCRAFT SYSTEMS)

SENASA, in collaboration with RPAS manufacturers, integrators and operators, offers the **theoretical training and official practical evaluation necessary to obtain the specific certification of the more common market RPAS models**, in accordance with Article 50.5 e) of Law 18/2014 of 14 October.

As shown in Appendix I of the Act, in its revision 2, the practical training will address the knowledge (s) aircraft (s) specific (s) who will operate the student and its control equipment.

In the case of aircraft with no more than 25 kg maximum takeoff weight, the operator, under justified criteria shall be documented in writing, may include, in its initial statement of compliance or modification, certified pilots with expertise in other operated aircrafts, but similar in **configuration, weight, performance and monitoring system**.

This allows the operator to enable pilots trained in other aircraft models with similar characteristics, whenever you are in the above four areas.

COURSE OBJECTIVES

- Acquire the necessary knowledge on the chosen aircraft and its systems, as well as its operation.
- Obtain the official certificate which guarantees that the attendant has received the above mentioned knowledge and that they have enough skills to fly the aircraft.

PERSONNEL WHOM IT MAY CONCERN

The specific course of Falcon 8 is aimed at those attending the basic and advanced courses of RPAS pilots taught by SENASA, or people who have an acceptable degree under Article 50.5 of the Law 18/2014 of October 14, that is, pilots of manned aircraft or with a certificate of having passed the theoretical exams of any pilot license of manned aircraft.

PREVIOUS REQUERIMENTS

- Certificate of Basic and Advanced RPAS Pilots theoretical knowledge, or have a degree acceptable under Article 50.5 of Law 18/2014 of 14 October knowledge.
- Aeronautical medical certificate Class 2. For more information visit the website of AESA about aeronautical medical certificates: http://www.seguridadaerea.gob.es/lang_castellano/prof_sector/medicina/default.aspx

INSTRUCTORS

The instructors of these courses are professional staff trained by the manufacturer of the aircraft, drone aircraft operators and distributors of this RPAS model in Spain.

DURATION

- Theory: Approximately 5 hours (depending on the chosen model of aircraft).
- Practical evaluation: Approximately 4 hours (depending on the groups set up for the different aircraft models).

LAGUAGE

Spanish.

PRICE AND PLACE OF DELIVERY

It depends on the model and the course edition.
This course can be funded through reductions in employers' Seguridad Social contributions, through the Fundación Estatal para la Formación en el Empleo (formerly Fundación Tripartita). For more information see the website: <http://www.fundaciontripartita.org>.

COURSE CONTENTS

The training will be carried out according to the requirements of Appendix I of Law 18/2014 of 14 October, which establishes that the practical training must contain at least the following elements:

- 1. Overview:** Description of the aircraft. Engine, propeller, rotor (s). Three views drawing.
- 2. Limitations:** Mass. Speeds. Maneuvering load factor. Mass and balance limits. Authorized maneuvers. Powerplant, propeller, rotor. Maximum power. Engine, propeller and rotor speed. Environmental limitations of use.
- 3. Emergency Procedures:** Engine failure. Restart an engine in flight. Fire. Gliding. Autorotation. Emergency landing. Other emergencies. Safety devices
- 4. Normal procedures:** Review preflight. start up. Takeoff. Cruise. Stationary flight. Landing. Engine stop after landing.
- 5. Performances:** Takeoff. Limit crosswind on takeoff. Landing. Crosswind limit for landing.
- 6. Weight and balance, equipment:** Reference Empty Mass. Reference Empty Centered. Settings for the determination of the empty mass. List of equipment.
- 7. Assembly and adjustment:** Instructions for assembly and disassembly. List of user accessible adjustments and consequences on the flight characteristics. Impact mounting any special equipment related to a particular use.
- 8. Software:** Identification of the versions. Verification of its operation. Updates. Programming. Settings of the aircraft.

Note: The subjects may vary depending on the chosen aircraft.