



Comunidad de Bardenas Reales de Navarra

USE OF DRONES IN BARDENAS

- The use of the DRON in the territory of Bardenas, is subject to the provision by the applicant of the relevant authorisations marked in the Royal Decree Royal Decree 1036/2017, of 15 December, which regulates the civil use of remotely piloted aircraft. Therefore, the DRON flight operator must present the permit from the **State Aviation Safety Agency (AESA)**, as the body responsible for authorising the operator to carry out the corresponding activity (Law 18/2004), which will determine the technical requirements and limitations for authorising the operation of remotely piloted civilian aircraft.
- **It is a restricted area for flights.** In the centre of Bardenas, there is a military air force range. As far as its activity is concerned, this means that **in order to overfly in the approach zone to the shooting range, authorisation must be requested for this activity, as it is within the restricted access zone for flights (of any kind)**, whether helicopter, light aircraft, DRON aircraft, model aircraft or any aircraft flying over the restriction zone (LED 50), as there may be a collision with the aircraft flying over for the shooting exercise.
- For this reason, it is essential to obtain authorisation from the Spanish Air Force, an e-mail must be sent to esp_aoc_aerial_works@mde.es (telephone 915 387 650), at least 10 calendar days in advance, sending in Word or Pdf format (never as a download link), **only the information detailed below**, avoiding any other information that is not strictly necessary and required:
 - Type of image acquisition (oblique, film, video, etc...) or nature of data capture by sensors.
 - Graphic of the flight area (valid Google Earth screenshot), where the point where the flight will take place or its trajectory will be drawn.
 - Working areas, as detailed as possible and indicating the 1:50,000 scale National Map Sheet.
 - It must be indicated where the originals will be filed. The subsequent sale of the original support of the images or data captured (negatives, master...) will not exempt the company from responsibility for the images obtained.
 - The coordinates of the flights shall be indicated, either the take-off point or the different points of the trajectory to be followed in the flight. In the case of a polygonal area, the coordinates corresponding to the vertices of the area shall be indicated.
 - Model and serial number of the apparatus to be used for the flights.
 - Date of the flight.
- Likewise, it will be necessary for those responsible for the flight to contact the Bardenas Barracks, at least 24 hours before the start of the flight, in order to know the safety measures to be taken during the field work in Bardenas and to confirm the previous flight schedules. Likewise, the person in charge of the flight must contact, according to the standard procedure, before take-off, one of the following numbers for take-off authorisation: 948 83



Comunidad de Bardenas Reales de Navarra

00 33 ext. 4906; if there is no contact: ext. 4934. Express authorisation will be required prior to take-off.

- **Affections to the fauna.** Bardenas Reales, as you know, is a Natural Park and Biosphere Reserve where numerous protected species live. Although the fauna is quite accustomed to aircraft flights, the DRON is something quite different. It flies very low, slowly, stops, approaches, some species attack them (the propellers often cause them serious injuries), its sound is reminiscent of the buzzing of a swarm of bees... All this has an effect on the fauna, whose conservation is a priority in a protected area. For this reason, once permission has been obtained to fly over the area, with the pertinent scope and limitations, the person responsible for the flight must specify with the Bardenas Community the precise flight routes that guarantee the absence of effects on the fauna. In general, flights will only be authorised over the military zone, without going beyond the perimeter road and avoiding approaching mountainous areas, cliffs or large ravines.
- **Natural monument:** Castildetierra is protected as a natural monument, which means that any DRON filming activity must always be carried out at a distance of at least 50 m from the esplanade in front, as under no circumstances is it authorised to fly over the fairy chimney or over the surrounding ravine.