



Knowledge Transfer

Prior to Flight

Remote PIC Duties Required by Regulation

A Remote Pilot must:

Conduct an **assessment** of the operating environment. The assessment must include at least the following:

- Local **weather** conditions,
- Local **airspace** and any flight **restrictions**,
- The location of **persons** and **property** on the surface, and
- Other ground hazards.

Ensure that all persons directly participating in the small UA operation are informed about the following:

- **Operating** conditions,
- **Emergency** procedures,
- **Contingency** procedures,
- Roles and responsibilities of **each person** involved in the operation, and
- Potential **hazards**.

Ensure that all control links between the CS and the small UA are working properly. For example, before each flight, the remote PIC must determine that the small UA flight control surfaces necessary for the safety of flight are moving **correctly** through the manipulation of the small UA CS. If the remote PIC observes that one or more of the control surfaces are **not** responding correctly to CS inputs, then the remote PIC may **not** conduct flight operations until correct movement of all flight control surface(s) is established.

Ensure there is sufficient **power** to continue controlled flight operations to a normal landing. One of the ways that this could be done is by following the sUAS **manufacturer's operating manual power** consumption tables. Another method would be to include a system on the sUAS that detects power levels and alerts the remote pilot when remaining aircraft **power** is diminishing to a level that is inadequate for continued flight operation.

Ensure that any object attached or carried by the small UA is **secure** and does not adversely affect the flight characteristics or controllability of the aircraft.

Ensure that all necessary documentation is available for inspection, including the remote PIC's **remote pilot certificate**, **aircraft** registration (if required), and Certificate of **Waiver** (CoW) (if applicable).