

Flight Procedures

Take-Off Procedures

Pilot or VO	Place aircraft on launchpad.
VO	Visual Observer (VO) confirms flight area is clear.
Pilot	While line of sight (goggles off), Announce "Arm Test" and proceed to arm the aircraft, ensure props spin and then disarm.
Pilot	When ready for actual flight, whether line of sight or FPV, Pilot says "Ready for takeoff",
VO	VO responds with "Area clear". OR "Unsafe conditions, do not arm."
Pilot	Once "Area clear" is verified by the VO, Pilot responds with "Arming and taking off" when ready.
VO	For the remainder of the flight, VO announces any unexpected obstructions, persons, or unsafe flight conditions that occur during flight and suggests to either "monitor and continue" or "land now".
Pilot	For the remainder of the flight, pilot shall announce when arming or disarming.

Battery Swap Procedures

Pilot	Announce "Landing, replacement battery needed."
VO	"Confirmed, battery swap available"
Pilot	Lands aircraft and announce "disarmed" once the arm/disarm switch has been toggled. NOTE: Controller and goggles remain turned on. Ensure no other switches get bumped or changed.
VO	After checking the area for incoming aircraft, the VO briskly walks to the aircraft, picks it up, swaps the battery, and places the aircraft back on the ground at the same place it landed. Once the VO is clear from the aircraft and the area is clear, VO announces, "Aircraft ready, area clear."
Pilot	Responds with "Arming and taking off" when ready.
VO	For the remainder of the flight, VO announces any unexpected obstructions, persons, or unsafe flight conditions that occur during flight and suggests to either "monitor and continue" or "land now."
Pilot	For the remainder of the flight, pilot shall announce when arming or disarming.

Flight Procedures

Aircraft Righting / Repair Procedures

Pilot	In a case of unexpected uncontrolled landing resulting in an inoperable aircraft, toggle arm/disarm switch to "disarmed" and announce "Aircraft inoperable, assistance needed, aircraft disarmed." NOTE: Controller and goggles remain turned on. Ensure no other switches get bumped or changed.
VO	Announce "Confirmed." After checking the area for incoming aircraft, the VO briskly walks to the aircraft and rights the aircraft or makes the needed repairs. When ready, the VO places the aircraft back on the ground as close as possible to the place it landed. Once the VO is clear from the aircraft and the area is clear, VO announces, "Aircraft ready, area clear." NOTE: During this entire process, the VO should verbally communicate to the pilot with details for aircraft status and/or the VO's progress with resolving the issue at hand.
Pilot	Responds with "Arming and taking off" when ready.
VO	For the remainder of the flight, VO announces any unexpected obstructions, persons, or unsafe flight conditions that occur during flight and suggests to either "monitor and continue" or "land now."
Pilot	For the remainder of the flight, pilot shall announce when arming or disarming.

Post-Flight Procedures

Pilot	Announce "Landing.", land aircraft, toggle arm/disarm switch and announce "Disarmed." Pilot should make note of battery voltage upon landing.
VO	After checking the area for incoming aircraft, the VO briskly walks to retrieve the aircraft and unplugs aircraft's battery. Announce "Battery disconnected."
Pilot	Remove and turn off goggles. Turn off controller.
Pilot OR VO	Inspect airframe, battery, motors, are not damaged and are in the same working condition as found in the preflight checklist.

Immediately after each flight the Pilot and VO should conduct post-flight brief:

Discussion should include what went well during the flight, what did not go well, how to improve and why it's important to improve. Discuss any safety issues that arose during flight and whether they were properly responded to.