**Post flight drone checklist**

* Turn off Aircraft
* Remove and inspect Propellers
* Remove and inspect propellers for defects & perform maintenance as necessary.
* Check the hull for defects
* Do a check of the hull for defects or issues after the flight. Identify areas for maintenance as needed.
* Remove Battery and inspect
* Remove Camera and inspect
* Put aircraft, remote, and batteries back into the case.

**In flight drone checklist**

* Confirm the expected flight plan.
* Safely start and takeoff UAS.
* Hover close for 20 seconds - look/listen for UAS defects.
* If a flight plan is autonomous ignore the hover but still look/listen for possible UAS defects
* Keep UAS in Visual Line of Sight throughout the entire mission.
* Visual line of sight must be maintained without visual aids e.g. binoculars
* Monitor and keep track of battery levels throughout the entire mission.
* Monitor signal strength throughout the entire mission.
* Bring back UAS with a safe amount of battery life to return and land.

**Pre flight onsite drone checklist**

* Clear of all no-fly zones
* Make note of flight obstructions
* Establish a takeoff/landing area
* Identify secondary landing zone
* Clear bystanders
* Check KP index and weather conditions
* Confirm weather conditions permit a safe flight
* Inspect drone for any damage or lose fasteners
* Tablet/phone batteries charged
* Controller battery charged
* Drone battery charged
* Props securely attached
* Micro SD card formatted and inserted
* Remove gimbal lock from drone
* Place drone on clean level ground or landing pad
* Connect tablet/phone to the controller
* Power up controller and tablet/phone
* Place tablet/phone into airplane mode
* Turn volume up to maximum level on tablet/phone
* Adjust controller antennas to ensure they are parallel
* Start flight app
* Power on battery/drone
* Check the connection between controller and drone
* Check the status of batteries
* Check IMU calibration
* Calibrate compass
* Ensure "PAF" switch is set to "P" unless needed otherwise
* Ensure GPS lock is active
* Recheck flight path
* Take-off with battery facing operator
* Continue with the flight plan

**Pre flight offsite drone checklist**

* Check sectional charts for any unexpected airspace authorizations that may be required.
* Check for NOTAMs and TFRs that may affect flight.
* Check the current and forecasted weather of the closest airport to the specific flight area.
* Ensure you have your drone and inspect for any visible damage.
* Ensure you have enough batteries for your fight and make sure they are all charged.
* Ensure you have propellers and they are in working order.
* Ensure you have at least two microSD cards with at least 10GB of free storage on each.
* Ensure you the RC remote is present and charged.
* Ensure iPad/iPhone is packed and fully charged.
* Ensure you have functioning lightning to USB cable (iPhone/iPad charging cord) packed.
* Check that firmware is up to date for drones, controllers, batteries and flight computers.
* Complete final drone box check to ensure everything previously checked off is packed in box that is being taken to flight.
* Ensure Drone Deploy is downloaded to your device you will be flying with. Make sure the appropriate flight path is ready to go.
* Ensure Ground Control Points, as well as construction safety equipment, are in good condition and ready for the mission.