

MobileTechSpecialists UAV Division

Pre-Flight Procedures & Checklist

Date: _____ Time: _____

Location: _____

Pilot Name: _____ Observer: _____

Wind Speed/Direction: _____

Pre-Flight Checklist

- Verify all required documents are available (flight log, NOTAMs, waiver if required).
- Inspect airframe for cracks, loose screws, or damage.
- Check propellers for chips, cracks, or loose mounts.
- Inspect wiring and connectors for wear or loose connections.
- Confirm landing/takeoff area is clear of people, trees, wires, and obstacles.
- Confirm compass calibration is up-to-date.
- Check GPS lock: Minimum 10 satellites with HDOP < 1.5 before arming.
- Verify RC transmitter battery is above 75%.
- Check telemetry link is connected and stable.
- Confirm video feed (if applicable) is operational.
- Verify battery voltage before flight: _____ V
- Verify battery capacity before flight: _____ mAh
- Confirm payload is secure: _____
- Enter payload weight: _____ g
- Set flight mode to Stabilize or Loiter for takeoff.
- Review failsafe settings (RTL altitude, battery failsafe).
- Verify takeoff direction and emergency landing area.
- Perform control surface/motor check: Pitch, Roll, Yaw, Throttle.
- Check propeller orientation and motor spin direction.
- Verify arming safety switch and safety procedures followed.

Post-Flight Data & Sign-Off

- Battery voltage after flight: _____ V
- Battery capacity used: _____ mAh
- Flight time: _____ minutes
- Number of satellites at landing: _____
- Notes on performance / anomalies: _____
- Maintenance items identified: _____
- Signature/Initials: _____