

Flight Operation Logs

UIN: _____ Serial No: _____

| Sl. No | Date of flight | Name of Remote pilot | Home location | Preflight checklist | Take off time | Land time | Total time | Purpose of flight | Post flight checklist | Weather condition | Battery cycle | Any maintenance issue | Remark/observation |
|--|----------------|----------------------|---------------|---------------------|---------------|-----------|------------|-------------------|-----------------------|-------------------|---------------|-----------------------|--------------------|
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| 10 | | | | | | | | | | | | | |
| Number of Landings: | | | | | | | | | | | | | |
| Number of hours of operation for Airframes and rotor | | | | | | | | | | | | | |
| Number of battery cycles | | | | | | | | | | | | | |

Note: After every 500 flights cumulative details of number of landing and number of hours of operation to be entered each page and to be added and keep monitor

Pre-Flight Checklist

| | | |
|----------------------|------------------------|----------------|
| Pilot in command: | UAS Model: UAS UIN: | Date: Time: |
| Observer (Co-Pilot): | Location: | |

A. Pre-Start Checklist
 Important: Complete all checklist items in the order they are presented. If you cannot check off an item STOP!
 And correct the problem before continuing.
 * Stared options must be checked before moving to ground.

| No. | Item | Acceptable Condition | Sat |
|-----|----------------------|--|-----|
| 1 | Airspace* | Check for airspace zones: Red/ Inner Yellow/ Outer Yellow/ Green before flying | |
| | | Potential obstruction near intended flight path | |
| 2 | Weather | Wind: Temp: Sun: | |
| 3 | RPAS Airframe/Props* | No structural defects visible | |
| 4 | Landing Gear* | Properly tight the landing gear | |
| 5 | Battery Placement | Properly Fitted and check the Velcro Tightening | |
| 6 | Motor Arms (4)* | No structural defects visible & No Play | |
| 7 | RPAS Battery* | Sufficient for intended flight, not less than 75% | |
| 8 | Controller Battery* | Sufficient for intended flight, not less than 75% | |
| 9 | Observer | Present, briefed and ready (Only if designated, otherwise NA) | |
| 10 | Power ON | <input type="checkbox"/> Display Device ON, <input type="checkbox"/> Controller ON, <input type="checkbox"/> RPAS ON | |
| 11 | Sats Count | More than 14 Sats | |

| | | | |
|---------------------------------------|----------------------|--|-----|
| 12 | Compass Calibration* | Compass calibrated for current location after the GPS Lock | |
| 13 | Take-Off Location | Clear for ≥ 45 ft. radius, no overhead obstructions | |
| 14 | Take-Off Distance | Take-Off distance from GCS ≥ 20 ft | |
| 15 | Messages | Before Takeoff check messages in message box, No Warning / Error | |
| 16 | PSEs | Inspection of PSEs for safe mission/UAS operation. | |
| B. Motor Start Checklist | | | |
| 1 | RPAS Motor Start | RPAS motors start and run at idle, no abnormal noise | |
| 2 | Prop & Motor Dir* | Check CW and CCW Prop with respective Motor | |
| 3 | Home Point | Home Point Set | |
| 4 | Flight Telemetry | Telemetry Normal (Bat, Alt, Dist, etc.) | |
| 5 | Hover Check | Flight & Check once all the input controllers | |
| RECORD FOR FLIGHT | | | |
| Landing/ Post Flight Checklist | | | |
| A. Landing Checklist | | | |
| No | Item | Acceptable Condition | Sat |
| 1 | Landing Location | Clear for ≥ 15 ft. radius, no overhead obstructions | |
| B. Post- Flight checklist | | | |
| 1 | Power Off | <input type="checkbox"/> Display Device OFF, <input type="checkbox"/> Controller OFF, <input type="checkbox"/> RPAS OFF | |
| 2 | Motor Temperature | | |
| 3 | Battery Temperature | | |
| 4 | PSEs | Inspection of PSEs for any deformation or physical damage (for structural integrity) | |
| 5 | Critical Components | Check for any signs of in-service wear and tear | |

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