

## Flight Checklist

Date: \_\_\_\_\_ Time: \_\_\_\_\_ Customer: \_\_\_\_\_  
 Location: \_\_\_\_\_ Max Operating Height (AMSL): \_\_\_\_\_  
 Pilot: \_\_\_\_\_ Observer: \_\_\_\_\_

	Approved	N/A	Denied	Time	Details
ATC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
CAA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Police	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Local Council	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Land Owner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Approvals: Purpose of operation; Operating Area and Height; Timings for flight; Contact Details

### Flight Plan

- Identify any risks/obstacles that could affect the flight (including airspace risks)
- Consider public safety, perception and the safety of your aircraft
- Flight Conforms to CAA Part 101 Subpart E

### Pilot/Observer Briefing

- Emergency Procedures
- Operation objective
- Defined landing area
- Public safety and control

## PREFLIGHT INSPECTION

### Ground Control Station (GCS) checks

- Location secure and Transmitter battery sufficient for task
- Tablet secure in mount and battery sufficient for task

### Airframe Checks

- Airframe arms are secure and without play
- Propellers are secure and spin in the right direction
- Propellers free of any nicks crack or imperfections
- Minimal play in motors. There should be no more than 1mm vertical play
- Physical check for loose bolts, and integrity of wiring

### Take-off and Landing position

- Find a level take-off and landing position that is clear and without obstacles
- Make sure there are no obstacles above like power lines or trees
- Make sure the take-off area is clear and secure from the public

## PREFLIGHT CHECKS

### Battery Checks

- Battery capacity over 95% (or sufficient for flight task)
- Cell voltages should be within 0.2 of a volt of each other

### Turn on Transmitter, GCS and Tablet or Phone/PC

- Confirm that transmitter voltage is above 50%
- Check that transmitter is on the correct model memory and timer is set
- Confirm that the tablet or phone has above 50% power
- Power on the autopilot in airframe – *MAKE SURE MOTOR POWER IS DISCONNECTED*

**Pre-Flight Autopilot checks**

- Connect GCS to autopilot and switch to Data screen
- Check stick movements are in the correct sense
- Check flight modes and switches are respond as commanded
- Check satellites connections min 7 required, all green ready for use
- Check parachute actuation if in use

**Checks ready for take off**

- All transmitter switches away/up, throttle at lowest position
- Connect motor power and arm parachute if in use
- Final airspace check before take-off
- Switch Autopilot on, check that Auto hover is enabled
- Unlock Motors and increase throttle
- Make radio call if required

**Take off**

**Maintain Situational Awareness during Flight**

**Landing**

- Ensure landing area secure and free from obstacles

**Post landing checklist**

- Reduce the throttle to the lowest setting and turn autopilot off (manual mode)
- Disconnect motor power and disarm parachute if in use
- Disconnect Autopilot power, power off transmitter, and GCS

**Mission Conclusion**

Notify the following authority as relevant in person or by phone:

	Notified	Time	Details
ATC	<input type="checkbox"/>		
CAA	<input type="checkbox"/>		
Police	<input type="checkbox"/>		
Local Council	<input type="checkbox"/>		
Land Owner	<input type="checkbox"/>		

Ensure site clear of equipment and operating materials

Flight Notes / Comments


**Emergency Procedures**

**Aircraft Malfunction:** Land in predetermined area as soon as is physically possible. DO NOT fly again until rectification of problem has been implemented.

**Telemetry Malfunction:** Land as soon as possible. DO NOT fly again until rectification of problem has been implemented.

**Authoritative Flight Termination:** Move to aircraft quickly and safely, disconnect power and then safe parachute system