

# AG FLIGHT OPERATIONS CHECKLIST (M6E-X2, M6A-PRO G200)

DATE: \_\_\_\_\_ PIC/VO: \_\_\_\_\_ ID: \_\_\_\_\_ Location: \_\_\_\_\_

## PRE-FLIGHT LINE

- 1 **Crew Briefing**
- \_\_\_\_\_ All cell phones in Airplane or Do Not Disturb mode
  - \_\_\_\_\_ Discuss Flight Plan and Objectives, Roles and Responsibilities
  - \_\_\_\_\_ Note conditions: geography, weather, sound-of-mind of personnel
  - \_\_\_\_\_ Note hazards: people, objects, animals, visual limitations, etc...
  - \_\_\_\_\_ \_\_\_\_\_ Weather Conditions
  - \_\_\_\_\_ \_\_\_\_\_ Other Notes



- 2 **BATTERY Voltage**
- |                               | Model  | Target             | Minimum  |
|-------------------------------|--------|--------------------|----------|
| _____ Flight Batteries        | M6E-X2 | 12s=50.4           | 12s=50   |
| _____ Remote Controller       | G200   | 14s=58.8           | 14s=58.3 |
| _____ Ground Station - Tablet |        | Adequately Charged |          |
|                               |        | 100%               | 75%      |

MOTOR ARM: BOTH STICKS DOWN & INSIDE

MOTOR KILL: BOTH STICKS DOWN & OUTSIDE

- 3 **Mechanical**
- \_\_\_\_\_ Batteries are free from damage, heat or swelling
  - \_\_\_\_\_ GPS and flight antenna(s) are all attached and free of defects and in proper orientation
  - \_\_\_\_\_ Motor arms are secure to airframe and no wires are pinched or compromised
  - \_\_\_\_\_ Propellers are free from damage, secured and in correct rotational position
  - \_\_\_\_\_ Check Motors for Level/Plumb
  - \_\_\_\_\_ Motors & Props: 1 \_\_\_\_\_ 2 \_\_\_\_\_ 3 \_\_\_\_\_ 4 \_\_\_\_\_ 5 \_\_\_\_\_ 6 \_\_\_\_\_
  - \_\_\_\_\_ Landing Gear - secure, no cracks or damage
  - \_\_\_\_\_ Obstacle Avoidance Sensors are clean and inspect condition of cables
  - \_\_\_\_\_ Terrain Sensor is clean and inspect condition of cable
  - \_\_\_\_\_ Check Camera lens, mount and cable(s)
  - \_\_\_\_\_ Visual inspection of pumps, hoses, nozzles and spraying equipment

## FLIGHT LINE - PRIOR TO EACH TAKEOFF

Reconfirm Area Awareness, check for new non-participants

- 1 **Place aircraft on a level non-metallic surface with tail towards operator**
- 2 **Remote Controller**
- \_\_\_\_\_ Ensure all switches are in desired position
  - \_\_\_\_\_ Power on remote controller and inspect condition
  - \_\_\_\_\_ Connect USB cable to tablet and controller
  - \_\_\_\_\_ **Transmitter MUST REMAIN ON**
- 3 **Payloads**
- \_\_\_\_\_ Insert battery and ensure battery latch is LOCKED
  - \_\_\_\_\_ Connect batteries: **BLACK**, then **RED** (For G200, fully insert AS150U connector)
  - \_\_\_\_\_ Tablet: Open Ground Station App, tap "Connect", select "Bluetooth" and select correct paired bluetooth device
  - \_\_\_\_\_ Confirm no errors or faults in Ground Station
  - \_\_\_\_\_ Fill, test and bleed spray system, confirm no leaks
- 4 **Confirm all Systems Ready**
- \_\_\_\_\_ Satellites = Minimum 10, no errors / faults
  - \_\_\_\_\_ Discuss any new Area Hazards (people, animals, obstacles, weather, etc.)
  - \_\_\_\_\_ Verify flight mode on controller and Ground Station App
- 5 **ENSURE ALL SYSTEMS GO - Notify non-participants to remain behind flight line**
- 6 **ARM motors - and begin launch procedure**
- 7 **Ensure proper handling and behavior of aircraft**
- 8 **Conduct Desired Flight Mission**

## POST FLIGHT OPERATIONS - PILOT IN COMMAND MUST REMAIN IN POSSESSION OF THE REMOTE CONTROLLER

- 1 **Throttle Stick Full Down Until Rotors Stop**
- \_\_\_\_\_ Confirm Aircraft is disarmed on Ground Station App
  - \_\_\_\_\_ Disconnect batteries: **BLACK** then **RED** (For G200, disconnect AS150U connector)
  - \_\_\_\_\_ Power OFF Remote Controller and ensure all switches are in correct position
- 2 **Update Flight & Battery Logs**
- \_\_\_\_\_ Record total flight time
  - \_\_\_\_\_ Record ending voltage of the battery

NOTE: FAILURE TO FOLLOW PROCEDURES AS OUTLINED MAY RESULT IN A CRASH, INJURY, DEATH & PROPERTY DAMAGE. PLEASE OPERATE SAFELY.

Please remember: operators must follow all Laws, Rules, Policies and Procedures.

Please note: HSE nor its Dealers or Affiliates are liable for any losses or damages related to operating this or any other aircraft