|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Section 1 Pre Flight Check list** | | | | |
| **CREW AND LOCATION INFORMATION** | | | | |
| **Pilot In Command:** | |  | |  |
| **Observer:** | |  | |  |
| **Date/Time:** | |  | |  |
| **Location and Altitude:** | |  | |  |
| **TYPE OF MISSION** | | | | |
| **[ ]Vehicle Crash Scene [ ]Crime Scene [ ]Search and Rescue [ ]Tactical Operation [ ]Area Search [ ]Department [ ]Training [ ]Other** | | | | |
| **Flight Declaration [ ]COA [ ] FAA Part 107** | | | | |
| **AUTHORIZATION FOR FLIGHT IN CONTROLLED AIRSPACE** | | | | |
| **Authorized By:** | | | | |
| ***COMPLETE ALL CHECKLIST ITEMS IN THE ORDER THEY ARE PRESENTED. IF YOU CANNOT CHECK OFF AN ITEM STOP AND CORRECT THE ISSUE BEFORE CONTINUING.*** | | | | |
| **PRE-START CHECKLIST** | | | | |
| **ITEM** | **GO CONDITION** | |  | **GO** |
| **Airspace** | **Unrestricted Airspace [ ] Flight Authorized [ ]** | |  |  |
| **Obstacles** | **Obstacles and Obstructions in the Area Identified** | |  |  |
| **Weather** | **Visibility 3 Statute Miles, Wind Below 30mph** | |  |  |
| **Thunderstorms/Lightning** | **No Closer than 3 Statute Miles** | |  |  |
| **UAS Airframe** | **No Defects Visible** | |  |  |
| **UAS Propellers** | **No Defects Visible** | |  |  |
| **Memory Card** | **Installed, Sufficient Memory Space Available** | |  |  |
| **Onboard Hard Drive** | **Empty [ ] Not Empty [ ] Remaining Space Available:** | |  |  |
| **Camera Gimbal Lock** | **Removed** | |  |  |
| **External Attachment** | **Flood Light [ ] Beacon [ ] Speaker [ ]** | |  |  |
| **Payload** | **Attached Yes/No (if yes) Weight:** | |  |  |
| **Display Device** | **On and in Airplane Mode** | |  |  |
| **Controller Power** | **On** | |  |  |
| **UAS Power** | **On** | |  |  |
| **UAS Battery** | **Not Less Than 80%** | |  |  |
| **Controller Battery** | **Not Less Than 80%** | |  |  |
| **Display Device Battery** | **Not Less Than 80%** | |  |  |
| **UAS Status Lights** | **Flashing Green** | |  |  |
| **Camera Check** | **FPV-Camera View Normal** | |  |  |
| **Compass Calibration** | **Compass Calibrated for Current Location** | |  |  |
| **Flight Limits Set** | **Altitude 400 Feet AGL, Horizontal Based on Flight Area** | |  |  |
| **Return Home Altitude Set** | **Return Altitude Set to Clear Obstacles in Flight Area** | |  |  |
| **Take-Off Location** | **Clear 25ft. Radius and No Over Head Obstructions** | |  |  |
| **UAS MOTOR START CHECKLIST** | | | | |
| **UAS Motor Start** | **Motors Running at Idle, No Abnormal Noise or Vibration Vibration** | |  |  |
| **Home Point** | **Home Point Set** | |  |  |
| **Hover Check** | **Hovers in Place** | |  |  |
| **Flight Controls** | **Up, Down, Left, Right, Rotation Left, Rotation Right** | |  |  |
| **Camera Gimbal** | **Camera Moves Up and Down then Holds Steady** | |  |  |
| **Flight Telemetry** | **Normal: Batteries, Altitude, Distance, Signal Strength** | |  |  |
| **READY FOR FLIGHT** | | | | |

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| **LANDING/POST FLIGHT CHECKLIST** | | |
| **ITEM** | **GO CONDITION** | **GO** |
| **Landing Location** | **Clear 25ft. Radius and No Over Head Obstructions** |  |
| **ITEM** | **SHUTDOWN CONDITION** | **CK** |
| **UAS Power** | **Off** |  |
| **Controller Power** | **Off** |  |
| **Display Device Power** | **Off** |  |
| **Camera Gimbal Lock** | **Installed** |  |
| **Hard Drive downloaded** | **YES/NO, (if no, provide explanation below)** |  |
| **Memory Card** | **Removed** |  |
| **FLIGHT DETAILS** | | |
| **Flight Distance:** |  | |
| **Flight Time:** | Start: End: Total flight time: | |
| **Max Altitude:** |  | |

**NOTES:**

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| --- | --- |
| EMERGENCY ACTION | |
| **EMERGENCY PROCEDURE** | |
| Alternate Landing Site 1. |  |
| Alternate Landing Site 2. |  |
| Lost Link Procedure: | Close Distance to UAS to Strengthen Signal Move Away from Radios, Vehicles,  And Power Lines. |
| Fly Away: | If Needed Contact supervisor and Broadcast Fly Away Via Portable Radio |
|  | Locate and Recover UAS |
|  | Document Incident |
| **FILE A CRASH REPORT WITH THE FAA WITHIN 10 DAYS IF FOLLOWING CRITERIA IS MET** | |
| **NTSB must be notified immediately at 844-373-9922** | |
| Serious Injury Resulted: | Loss of Consciousness, Broken Bones, Sutures, Hospital Stay |
| Property Damage: | Greater than $500 Not Including UAS |