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| **UAS Recreational Flight Checklist** | | | | | | | | | | | | | |
| Date: | | | | Select date. | | | | | Time: | | Enter time. | | |
| UAV Pilot: | | | | Click here to enter name. | | | | | | | | | |
| **Your Surroundings** | | | | | | | | | | | | | |
| *I declare that I have taken note of the following and that none of these elements, whether natural or man-made, introduce uncontrollable or unacceptable risks to the flight:* | | | | | | | | | | | | | |
| **Element** | | | | | | | | | | | | | **Checked** |
| Terrain (ground elevation, incline, consistency) | | | | | | | | | | | | |  |
| Natural Features (mountains, cliffs, hills, valleys, rocky outcrops) | | | | | | | | | | | | |  |
| Natural Growth (trees, shrubs, hedges, grasses) | | | | | | | | | | | | |  |
| Other Natural Obstacles: | | | | | Specify... | | | | | | | |  |
| Residential Property (houses, flats, estates, townships) | | | | | | | | | | | | |  |
| Commercial Property (factories, businesses, shops, offices, malls) | | | | | | | | | | | | |  |
| Government Facilities (military, police, legal, political, key infrastructure) | | | | | | | | | | | | |  |
| General Obstacles (towers, masts, poles, pylons) | | | | | | | | | | | | |  |
| Transportation (roads, railways, bridges, pathways, parking zones) | | | | | | | | | | | | |  |
| Large Crowds (stadiums, rallies, sporting events, concerts) | | | | | | | | | | | | |  |
| Other Man-Made Obstacles: | | | | | | Specify... | | | | | | |  |
| Sources of EME (cell towers, radio masts, power stations and masts, fences) | | | | | | | | | | | | |  |
| **Proximity to 3rd Parties** | | | | | | | | | | | | | |
| *I declare that I have taken note of 3rd Party Persons, 3rd Party Property and the Natural Environment in close proximity to the intended flight path/area, and that the flight will not in any way endanger or pose any risk to the aforementioned:* | | | | | | | | | | | | | |
| **Element** | | | | | | | | | | | | | **Checked** |
| 3rd Party Persons (general public, people, crowds, groups) | | | | | | | | | | | | |  |
| 3rd Party Property (property, structures, vehicles, key infrastructure) | | | | | | | | | | | | |  |
| The Natural Environment (sensitive or protected areas, dry regions, parks) | | | | | | | | | | | | |  |
| **The Weather** | | | | | | | | | | | | | |
| *I declare that I have taken note of the weather and other climatic conditions and that none of these elements introduce uncontrollable or unacceptable risks to the flight:* | | | | | | | | | | | | | |
| **Element** | | | | | | | | | | | | | **Checked** |
| Wind (maximum wind speed) | | | | | | | | | | | | |  |
| Ambient Air Temperature (upper and lower) | | | | | | | | | | | | |  |
| Dust and Sand (damage to equipment, visibility) | | | | | | | | | | | | |  |
| Precipitation (damage to equipment, visibility) | | | | | | | | | | | | |  |
| Air Pressure (related to flight altitude) | | | | | | | | | | | | |  |
| **Airspace** | | | | | | | | | | | | | |
| *I declare that I have taken note of the following regarding the Airspace within which flight will take place:* | | | | | | | | | | | | | |
| **Element** | | | | | | | | | | | | | **Checked** |
| Proximity to Aerodromes (airports, airfields, airstrips, helipads) | | | | | | | | | | | | |  |
| Proximity to No-Fly Zones | | | | | | | | | | | | |  |
| *I declare the following to be true regarding the flight that will take place:* | | | | | | | | | | | | | |
| **Element** | | | | | | | | | | | | | **Checked** |
| I am not operating in Controlled Airspace | | | | | | | | | | | | |  |
| I am not operating in Military Segregated Airspace | | | | | | | | | | | | |  |
| I am not operating in Prohibited Airspace | | | | | | | | | | | | |  |
| I am not operating in Restricted Airspace | | | | | | | | | | | | |  |
| I am not operating in a No-Fly Zone | | | | | | | | | | | | |  |
| I am not operating in an Approach Path for an Aerodrome | | | | | | | | | | | | |  |
| I am not operating in a Take-off Path for an Aerodrome | | | | | | | | | | | | |  |
| **Permissions** | | | | | | | | | | | | | |
| *I declare that I have the necessary permissions in-hand from land owners, property owners, or other parties relating to the site over which flight will be taking place:* | | | | | | | | | | | | | |
| Yes | | |  | | | | | Not Required | | | |  | |
| **Pre-Flight System Checks** | | | | | | | | | | | | | |
| *UAV Checks (as applicable)* | | | | | | | | | | | | | |
| **Item** | | | | | | | | | | | | | **Checked OK** |
| UAV Battery Charge Level | | | | | | | | | | | | |  |
| Autopilot Functionality Check | | | | | | | | | | | | |  |
| IMU/INS Functionality Check | | | | | | | | | | | | |  |
| GNSS Functionality Check | | | | | | | | | | | | |  |
| GNSS Signal Strength Check | | | | | | | | | | | | |  |
| Barometer / Altimeter Functionality Check | | | | | | | | | | | | |  |
| Magnetic Compass Calibration Check | | | | | | | | | | | | |  |
| Magnetic Compass Functionality Check | | | | | | | | | | | | |  |
| Air Data System Functionality Check | | | | | | | | | | | | |  |
| Motor / Engine Functionality Check | | | | | | | | | | | | |  |
| Throttle / ESC System Functionality Check | | | | | | | | | | | | |  |
| Propellers Tightened | | | | | | | | | | | | |  |
| Fuel System Leak Test | | | | | | | | | | | | |  |
| Fuel Tank Level Check | | | | | | | | | | | | |  |
| Fuel Filter Check | | | | | | | | | | | | |  |
| Structural Integrity Check | | | | | | | | | | | | |  |
| Lighting System Functionality Check | | | | | | | | | | | | |  |
| Data Link Functionality Check | | | | | | | | | | | | |  |
| Flight Control System Functionality Check | | | | | | | | | | | | |  |
| FTS Functionality Check | | | | | | | | | | | | |  |
| UAV1 | Click here to specify item. | | | | | | | | | | | |  |
| UAV2 | Click here to specify item. | | | | | | | | | | | |  |
| UAV3 | Click here to specify item. | | | | | | | | | | | |  |
| *Ground Control System (GCS) Checks (as applicable)* | | | | | | | | | | | | | |
| **Item** | | | | | | | | | | | | | **Checked OK** |
| GCS Battery Charge Level | | | | | | | | | | | | |  |
| GCS Display Functionality Check | | | | | | | | | | | | |  |
| GCS Input System Functionality Check | | | | | | | | | | | | |  |
| GCS Manual Control Functionality Check | | | | | | | | | | | | |  |
| GCS Mode Selection Functionality Check | | | | | | | | | | | | |  |
| GCS RTH Functionality Check | | | | | | | | | | | | |  |
| GCS FTS Functionality Check | | | | | | | | | | | | |  |
| Voice Communications Check | | | | | | | | | | | | |  |
| Home Point Verification Check | | | | | | | | | | | | |  |
| GCS1 | Click here to specify item. | | | | | | | | | | | |  |
| GCS2 | Click here to specify item. | | | | | | | | | | | |  |
| *UAV Launch / Recovery Systems Checks (as applicable)* | | | | | | | | | | | | | |
| **Item** | | | | | | | | | | | | | **Checked OK** |
| UAV Launch System Functionality Check | | | | | | | | | | | | |  |
| UAV Recovery System Functionality Check | | | | | | | | | | | | |  |
| **I declare all information presented in this Checklist to be true and correct.** | | | | | | | | | | | | | |
|  | | **Name:** | | | | | Click here to enter name. | | |  | | | |
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|  | | signed | | | | | | | |  | | | |
|  | | **Date:** | | | | | Select date. | | |  | | | |
| *NOTES:*   * *RFCL = Recreational Flight Checklist* * *This Checklist is to be completed prior to flight.* * *EME = Electromagnetic Emissions* * *Additional entries may be added to the RFCL as required.* | | | | | | | | | | | | | |