*This Checklist is for guidance only. Aircraft safety is the responsibility of the Aircraft Captain*

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|  | **Check** | **Description** | **Correct Response** |
|  |  | ***Complete Pre-site risk assessment including:*** |  |
| 1 | **3AFLEC Check** | Area (check for powerlines, dead ground, obstructions etc) | **Area considered** |
| 2 |  | Airspace (confirm if controlled or uncontrolled). Confirm air traffic control clearance if in controlled airspace. | **Controlled/ Uncontrolled airspace** |
| 3 |  | Aircraft (acknowledge likely direction of air traffic) | **Acknowledged** |
| 4 |  | Flight Plan (brief crew on intended flight) | **Complete** |
| 5 |  | Landing site (confirm secondary landing site, if available) | **Identified** |
| 6 |  | Environment (acknowledge wind direction, precipitation, location of sun and any animals which may affect flight | **Acknowledged** |
|  |  | ***Unpack equipment*** |  |
| 7 | **Battery** | Check battery level. Put the battery into the aircraft making sure it is seated correctly (should be almost no gap between the aircraft and the battery & should click into place). | **Fitted & Charged** |
| 8 | **Propellers** | [Attach a set of propellers](http://www.phantom-guide.co.uk/2015/05/24/phantom-3-accessories-and-peripherals/) to each motor. Make sure to mount the black headed hubs to the black tipped motors and the grey headed hubs to the silver tipped motors. Tighten by hand. | **Fitted** |
| 9 | **Gimbal guard** | Remove the Gimbal Guard. | **Removed** |
| 10 | **Smart Device** | Mount your tablet/phone onto the aircraft controller and attach the USB cable from the device to it. | **Fitted** |
| 11 | **Transmitter** | Orientate antennae on transmitter, check switches in correct position, check sticks move freely into all corners. Power on the transmitter. Open the DJI GO App on your smart device & turn the volume UP on the tablet. Set the brightness to full on your tablet | **Powered ON, app initiated, volume up, max brightness** |
| 12 | **Aircraft** | Place the aircraft on clean level ground. Use a small square sheet of plywood or FlyRyte folder if required. Orientate aircraft in direction of flight. Power it on and announce “POWERING UP” | **“POWERING UP”** |
| 13 | **GPS & Video** | Allow the aircraft to initialise. Verify you can see a live feed from the aircraft. Allow it to set a “Home Point” after GPS lock is established. Monitor the aircraft’s status lights to confirm this as well as the Pilot App. | **Live video, home position recorded, ‘X’ no. of satellites** |
| 14 | **Compass calibration** | If aircraft has moved significant distance (200km) or has experienced high electromagnetic interference since the last flight consider a compass calibration. Initiate from the DJI GO App | **Not Required/ Complete** |
| 15 | **Flight Mode** | Ensure the flight mode is set to positional GPS (‘P’) | **Set to ‘P’** |
| 16 | **Area** | Look in all directions to ensure no people have entered the flight area | **Confirmed Clear** |
| 17 | **Clock** | Start a timer if desired | **Started/ Not required** |
| 18 | **Rotors** | Call “ROTORS ON” and arm the rotors | **“ROTORS ON”** |
| 19 | **Throttle** | Call “TAKING OFF”, slowly increase the throttle and lift the aircraft about 6-8 feet off the ground. Do a quick left/right/forward/back movement and YAW to confirm it’s stable and working as expected. | **“TAKING OFF”** |
| **Checklist Complete** | | | |

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| **Post-Flight Checklist** | | | |
|  | **Check** | **Description** | **Correct Response** |
|  |  | *Before landing, call* ***“LANDING”*** |  |
|  | **Rotors** | After landing, allow the props to stop rotating, call “ROTORS OFF” to indicate that you will not start the motors again without briefing your assistant | **“ROTORS OFF”** |
|  | **Aircraft power** | Place the transmitter on the ground or allow assistant to approach the aircraft, and power down the battery. Once the LED indications extinguish, call “Aircraft SAFE” | **“Aircraft SAFE”** |
|  | **Transmitter** | Turn off transmitter | **Powered off** |
|  | **Propellers** | Remove the propellers and inspect for damage | **Removed** |
|  | **Battery** | Remove the battery. It might be a little warm after flight, this is normal. Check it for damage/swelling and if all is OK, place it to one side to cool a little | **Removed and stored** |
|  | **Gimbal guard** | Refit the Gimbal Guard. | **Fitted** |
|  | **Aircraft** | Put the aircraft back in its case/backpack. | **Stored** |
|  | **Battery** | Put the battery back in the case/backpack. | **Stored** |
|  | **Smart device** | Remove the phone/tablet from the holder and store it and the controller. | **Removed and stored** |
| **Checklist Complete** | | | |

*The following additional checklist is provided and is recommend before leaving for flight location. It includes a non-exhaustive list of recommend items.*

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| **Pre-Embarkation Checklist** | | | |
|  | **Check** | **Description** | **Correct Response** |
| 1 | **Body** | Visually inspect the Phantom 3 aircraft for body damage | **Checked** |
| 2 | **Props** | Check the propellers damage (chips, cracks, bending and hub wear) | **Checked** |
| 3 | **Batteries** | Check your batteries for damage/signs of swelling and fully charged | **Checked & Charged** |
| 4 | **Motors** | Spin the motors with your fingers and make sure none feel/sound different. | **Checked** |
| 5 | **Transmitter** | Check the transmitters charge and power on/off to verify it works. | **Charged** |
| 6 | **Smart Device** | Check the smart device is fully charged and confirm app is installed and cable is packed | **Charged** |
| 7 | **SD Card** | Insert formatted SD Card | **Fitted** |
| 8 | **Maps** | Cache maps in the DJI Pilot App if needed | **Cached/ Not required** |
| 9 | **Weather/ Notams & Airspace** | Check Weather, airspace and NOTAMS of desired location | **Checked** |
| 10 | **Equipment** | Ensure hi-viz, fire extinguisher and other equipment required is packed | Packed |
| **Checklist Complete** | | | |