

COMPLETE	ITEM	DESCRIPTION	FLIGHT TYPE	NOTES
<b>MISSION PLANNING</b>				
	<b>Check Airspace</b>	Review airspace via "visualize it"	All Flights	
	<b>Airspace Approval</b>	Request airspace approval if necessary	All Flights	
	<b>DJI Flysafe</b>	Unlock DJI Flysafe if necessary	All Flights	
	<b>Check Weather</b>	Weather ideal for flying and SOW / wind less than 20mph	All Flights	
	<b>Check Cell Coverage</b>	Review cell coverage map for your service provider	All Flights	
	<b>Review SOW</b>	Review and understand all details included in SOW	All Flights	
	<b>Confirm POC</b>	Reach out to POC prior to the day of operation	All Flights	
	<b>Confirm Site Access</b>	Confirm site access with your permissions	All Flights	
	<b>Create Flight Plan</b>	Create a flight plan that meets the standards of the SOW	All Flights	
	<b>Check for Obstructions</b>	Review the site via google earth for any potential obstructions	All Flights	
<b>PRIOR TO FLIGHT DATE</b>				
	<b>Drone</b>	Update drone and calibrate vision system if necessary	All Flights	
	<b>R/C</b>	Update / charge / calibrate if necessary	All Flights	
	<b>Batteries</b>	Update / charge drone and R/C batteries	All Flights	
	<b>Payload/Camera/Sensor</b>	Update / calibrate if necessary	All Flights	
	<b>Laptop/Phone/Tablet</b>	Update and charge laptop/phone/tablet	All Flights	
	<b>Apps</b>	All necessary apps are downloaded, updated, and compatible	All Flights	
	<b>Hotspots</b>	Update and charge hotspot	All Flights	
	<b>RTK Antenna</b>	Update and charge RTK antenna	All Flights	
	<b>Anemometer</b>	Update and charge anemometer	All Flights	
	<b>Irradiance Meter</b>	Update and charge Irradiance meter	Thermal	
	<b>Power Bank</b>	Update and charge power bank	All Flights	
<b>EQUIPMENT LIST</b>				
	<b>Drone</b>	This includes propellers / legs / Antennas / Battery straps	All Flights	
	<b>R/C</b>	R/C and any attachments / mounts	All Flights	
	<b>Payload/Camera/Sensor</b>	This includes any antennas or mounts	All Flights	
	<b>Batteries</b>	This includes drone, R/C, and payload batteries	All Flights	
	<b>Charging Docs</b>	This includes any and all charging components related to drone	All Flights	
	<b>Charging Cables</b>	RC / tablet / laptop / power bank	All Flights	
	<b>External Hard Drive</b>	Preferably SSD	All Flights	
	<b>Micro SD Cards</b>	Multiple micro SD card / Ensure compatibility	All Flights	
	<b>Laptop</b>	Must meet standards for any softwares used during operation	All Flights	
	<b>Tablet</b>	Tablet must meet flight planning software requirements	All Flights	
	<b>Hotspots</b>	4G/5G capable	All Flights	

	<b>RTK Antenna</b>	<i>RTK antenna compatible with drone</i>	<b>RTK</b>	
	<b>Mounts</b>	<i>Device, R/C, phone, tablet mounts</i>	<b>All Flights</b>	
	<b>PPE Gear</b>	<i>Hard hat / safety vest / eye wear / steel toe boots if necessary</i>	<b>All Flights</b>	
	<b>Generator</b>	<i>Must be capable of charging multiple batteries at once</i>	<b>All Flights</b>	
<b>ARRIVAL ON SITE</b>				
	<b>Onsite Check-In</b>	<i>Check-in with Flyguys mission coordinator upon arrival</i>	<b>All Flights</b>	
	<b>Inform POC</b>	<i>Notify POC of arrival</i>	<b>All Flights</b>	
	<b>Observe Obstructions</b>	<i>With your drone, measure any potential obstructions</i>	<b>All Flights</b>	
	<b>Confirm Take Off Point</b>	<i>Locate one or more take off points</i>	<b>All Flights</b>	
	<b>Ground Control</b>	<i>Set ground control points</i>	<b>All Flights</b>	
	<b>Confirm Know Point</b>	<i>If surveying locate a monument or known point</i>	<b>All Flights</b>	
	<b>Confirm VLOS</b>	<i>Confirm VLOS from take off point</i>	<b>All Flights</b>	
<b>PRE-TAKE OFF</b>				
	<b>Landing Gear</b>	<i>Installed and locked in</i>	<b>All Flights</b>	
	<b>Arms</b>	<i>Locked in</i>	<b>All Flights</b>	
	<b>Propellers / Motors</b>	<i>Secure / spin freely / undamaged</i>	<b>All Flights</b>	
	<b>Batteries</b>	<i>Inspected and locked in</i>	<b>All Flights</b>	
	<b>Drone</b>	<i>On</i>	<b>All Flights</b>	
	<b>Controller</b>	<i>On / antenna secure</i>	<b>All Flights</b>	
	<b>Tablet</b>	<i>On</i>	<b>All Flights</b>	
	<b>Camera/Sensor Settings</b>	<i>Set to client requirements / set to capture if not automatically triggered</i>	<b>All Flights</b>	
	<b>Micro SD Storage</b>	<i>Formatted</i>	<b>All Flights</b>	
	<b>Compass Calibration</b>	<i>Perform calibration</i>	<b>All Flights</b>	
	<b>GPS</b>	<i>GPS lock / Safe to fly / 10 satellites or more</i>	<b>All Flights</b>	
	<b>Airspace Unlock</b>	<i>Unlock airspace via app</i>	<b>All Flights</b>	
	<b>RTH Altitude</b>	<i>Ensure RTH altitude is set</i>	<b>All Flights</b>	
	<b>Flight Mode</b>	<i>Set to "P"</i>	<b>All Flights</b>	
	<b>Review Flight Plan</b>	<i>Review flight plan and parameters</i>	<b>All Flights</b>	
<b>TAKE OFF</b>				
	<b>Drone Position</b>	<i>Take off AWAY from you to make adjustments if needed</i>	<b>All Flights</b>	
	<b>Home Point</b>	<i>Confirm home point</i>	<b>All Flights</b>	
	<b>Rotors On</b>	<i>Announce</i>	<b>All Flights</b>	
	<b>Launching</b>	<i>Announce</i>	<b>All Flights</b>	
	<b>Hover</b>	<i>Check controls while hovering</i>	<b>All Flights</b>	
<b>AIRBORNE</b>				
	<b>VLOS</b>	<i>Maintain VLOS</i>	<b>All Flights</b>	
	<b>Telemetry</b>	<i>Monitor telemetry</i>	<b>All Flights</b>	
	<b>Battery</b>	<i>Monitor voltage and percentage</i>	<b>All Flights</b>	
	<b>Manned Aircraft</b>	<i>Monitor sky for manned aircraft and land immediately if necessary</i>	<b>All Flights</b>	

<b>LANDING</b>				
	<b>Landing Site</b>	<i>Confirm there are no obstruction on landing site</i>	<i>All Flights</i>	
	<b>Landing</b>	<i>Announce landing</i>	<i>All Flights</i>	
	<b>Land</b>	<i>Gently land</i>	<i>All Flights</i>	
	<b>Rotors</b>	<i>Off</i>	<i>All Flights</i>	
	<b>Data Capture Off</b>	<i>Manually turn off data capture if necessary</i>	<i>All Flights</i>	
<b>POST-FLIGHT</b>				
	<b>Data Capture</b>	<i>Manually turn off data capture if necessary</i>	<i>All Flights</i>	
	<b>Drone</b>	<i>Off</i>	<i>All Flights</i>	
	<b>Controller</b>	<i>Off</i>	<i>All Flights</i>	
	<b>Data Capture</b>	<i>Confirm data/images have been saved</i>	<i>All Flights</i>	
	<b>QC Data</b>	<i>Review images or data to ensure that they meet standards</i>	<i>All Flights</i>	
	<b>Update MC</b>	<i>Update mission coordinator with progress before leaving</i>	<i>All Flights</i>	
	<b>Data Upload</b>	<i>Start data upload when you return to hom / office</i>	<i>All Flights</i>	
	<b>Upload Verification</b>	<i>Verify data upload and inform MC of completion</i>	<i>All Flights</i>	