



FG DRONE FLIGHT CHECKLIST

PROJECT NAME: _____

Use this basic checklist to help keep your projects on track. Run through each step to make sure that you are prepared for anything that might happen.

BEFORE VISITING THE SITE

AIRSPACE		
AIRSPACE	AIRSPACE WAIVER	DJI UNLOCK
<ul style="list-style-type: none">Airspace check (B4UFLY app)	<ul style="list-style-type: none">File for waiver on FAA Drone Zone if needed	<ul style="list-style-type: none">Unlock in DJI Fly Safe zone if needed
SITE CONDITIONS		
WEATHER (PRECIPITATION)	WIND SPEEDS	SITE PERMISSIONS
<ul style="list-style-type: none">Check the local weather radar	<ul style="list-style-type: none">Check the wind speeds (less than 20 mph recommended)	<ul style="list-style-type: none">Proper site access permissions have been confirmed
EQUIPMENT		
DRONE	BATTERIES	TABLET
<ul style="list-style-type: none">UpdatedComplete necessary calibrations such as vision system, etc.	<ul style="list-style-type: none">Charge all batteries and controller(s)	<ul style="list-style-type: none">Charge tabletAll necessary apps are downloaded, updated, and compatibleFlight plans are created if needed
SD CARD	PACKED UP AND READY	PPE
<ul style="list-style-type: none">Compatible SD Card with enough storage	<ul style="list-style-type: none">Pack up all necessary drones and equipment	<ul style="list-style-type: none">When required



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ON SITE

PRE - CHECKS

FG - ONSITE CHECK IN	NOTIFY ONSITE POC	LANDING ZONE
<ul style="list-style-type: none">• Check in with your FlyGuys Mission Coordinator when arriving to the site when flying a FlyGuys mission	<ul style="list-style-type: none">• Call the given PoC when you are in route to the site	<ul style="list-style-type: none">• Determine and mark your takeoff/landing zone and lay cones if needed• Solid ground• Props will kick up debris so find an area with minimal dirt, dust, sand, etc.
PPE - SAFETY VEST	CHECK SURROUNDINGS	
<ul style="list-style-type: none">• Put on safety vest and any other required PPE	<ul style="list-style-type: none">• Check the surroundings for any obstructions	

DRONE PRE - FLIGHT

COMPASS CALIBRATION	BATTERY SECURE	PROP CHECK
<ul style="list-style-type: none">• Compass calibrated	<ul style="list-style-type: none">• Battery is secure in the drone	<ul style="list-style-type: none">• Props are not worn or damaged; replace them if needed

IMAGE SETTINGS

IMAGE SETTINGS

IMAGE SIZE AND FORMAT	FOCUS SETTING	CAPTURE MODE
<ul style="list-style-type: none">• 3:2, 4:3, or 16:9 depending on deliverables• Format JPEG or RAW	<ul style="list-style-type: none">• Ensure that focus is appropriately set (auto recommended)	<ul style="list-style-type: none">• Capture mode set accordingly

SD CARD

<ul style="list-style-type: none">• SD card has enough space for the job
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FG DRONE FLIGHT CHECKLIST

IN FLIGHT REMINDERS

TAKEOFF

SLOW TAKEOFF

- Takeoff facing AWAY from you to make quick adjustments if needed

CONTROLS CHECK

- Hover/controls check

M.O.C.A.

- Confirm M.O.C.A. (Minimum Obstacle Clearance Altitude)

RTH ADJUSTMENT

- Adjust RTH altitude to at least 60ft above highest obstacle

IN FLIGHT

MAINTAIN LOS

- Always maintain LOS (Line of Site)

CONSTANT CHECKS

- Continuously look between the controller and the drone for a few seconds at a time

BATTERY CHECKS

- Constant battery checks or remaining percentage to plan for RTH

LANDING

EMERGENCY LANDING

- If you hear a manned aircraft or helicopter, make sure to locate it. If the aircraft is nearby, land immediately

CONFIRM NO OBSTRUCTIONS

- When landing, confirm that there are no obstructions on the descent

GENTLY LAND

- Gently land in your zone

FLIGHT COMPLETE

FLIGHT COMPLETE

IMAGE CONFIRMED

- Check that the images have been saved to the SD card

IMAGE REVIEW

- Review the images to make sure they are to the standard required

FG CHECK IN

- Check in with FlyGuys Mission Coordinator when leaving the site
- Start the data upload when you return to your home/office
- Verify that all data has been uploaded and let your MC know that the data is ready