

# Pre-Flight Checklist

<b>Pilot In Command:</b>	<b>FAA Reg. No.:</b>	<b>Date:</b>
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<b>Observer</b> (Optional):	<b>Location:</b>
<b>UAS Model:</b> DJI Phantom 3 Pro	

**Purpose of Flight** (Check 1):     **Recreation**     **Commercial** <sup>(1)</sup>     **SAR**<sup>(2)</sup>     **Other** (Describe):

NOTES: (1) - Commercial sUAS license required    (2) – Authorization by applicable authority required

**Authorization for flight in restricted airspace:**    (Required for flight in restricted airspace only, otherwise NA)

**Authorized by:** \_\_\_\_\_    **Title:** \_\_\_\_\_

## A. Pre-Start Checklist

**Important:** Complete all check list items in the order they are presented. If you cannot check off an item **STOP!** and correct the problem before continuing.

No.	Item	Acceptable Condition	Sat.
1	Airspace	Unrestricted airspace or flight authorized	
		Potential obstructions near intended flight path identified	
2	Weather	Visibility >=3 miles/500 ft., Wind <=15mph, Precip. - None	
3	sUAS Airframe/Props	No structural defects visible	
4	sUAS Battery	Sufficient for intended flight, not less than 75%	
5	Controller Battery	Sufficient for intended flight, not less than 75%	
6	Display Device Battery	Sufficient for intended flight	
7	Memory Card	Installed, sufficient memory space available for flight	
8	Observer	Present, briefed and ready (Only if designated, otherwise NA)	
9	Camera Gimbal Lock	Removed	
10	Display Device	On	
11	Controller Power	On	
12	sUAS Power	On	
13	sUAS Status Lights	Flashing GREEN	
14	Camera Check	FPV camera view normal	
15	Compass Calibration	Compass calibrated for current location	
16	Flight Limits Set	Alt. <=120 meters, Dist. <=500 meters	
17	Flight Mode Set to GPS	Controller mode switch in "P" , display status GREEN - RTF	
18	Take-Off Location	Clear for >=25ft. radius, no overhead obstructions	

## B. Motor Start Checklist

No.	Item	Acceptable Condition	Sat
1	sUAS Motor Start	sUAS motors start and run at idle, no abnormal noise	
2	Home Point	Home Point Set	
3	Hover Check	Flight and Camera Gimbal control responses normal	
4	Flight Telemetry	Telemetry normal (Bat, Alt, Dist., etc.)	

**READY FOR FLIGHT**

**Notes:**

# Flight Operations

The following information obtained from, Know Before You Fly, (Web Site: [knowbeforeyoufly.org](http://knowbeforeyoufly.org)) is not a checklist but rather a list of guidelines that should be followed by the pilot in command during flight. The pilot in command should be sufficiently familiar with these guidelines to implement them during flight without referring to this document.

- Follow community-based safety guidelines, as developed by organizations such as the [Academy of Model Aeronautics](#) (AMA).
- Fly no higher than 400 feet and remain below any surrounding obstacles when possible.
- Keep your sUAS in eyesight at all times, and use an observer to assist if needed.
- Remain well clear of and do not interfere with manned aircraft operations, and you must see and avoid other aircraft and obstacles at all times.
- Do not intentionally fly over unprotected persons or moving vehicles, and remain at least 25 feet away from individuals and vulnerable property.
- Contact the airport or control tower before flying within five miles of an airport.
- Fly no closer than two nautical miles from a heliport with a published instrument flight procedure.
- Do not fly in adverse weather conditions such as in high winds or reduced visibility.
- Do not fly under the influence of alcohol or drugs.
- Ensure the operating environment is safe and that the operator is competent and proficient in the operation of the sUAS.
- Do not fly near or over sensitive infrastructure or property such as power stations, water treatment facilities, correctional facilities, heavily traveled roadways, government facilities, etc.
- Check and follow all local laws and ordinances before flying over private property.
- Do not conduct surveillance or photograph persons in areas where there is an expectation of privacy without the individual's permission (see AMA's [privacy policy](#)).

Users of commercial and recreational UAS should be aware that in remote, rural and agricultural areas, manned aircraft, including fixed-wing aircraft and helicopters, may be operating very close to ground level. Pilots conducting agricultural, firefighting, law enforcement, emergency medical, wildlife survey operations and a variety of other services all legally and routinely work in low-level airspace. Operators controlling UAS in these areas should maintain situational awareness, give way to, and remain a safe distance from these low-level, manned airplanes and helicopters.

**Notes:**

# Landing/Post Flight Check List

## A. Landing Checklist

No.	Item	Acceptable Condition	Sat
1	Landing Location	Clear for $\geq 25$ ft. radius, no overhead obstructions	

## B. Post-Flight Checklist

No.	Item	Acceptable Condition	Sat
1	sUAS Power	Off	
2	Controller Power	Off	
3	Display Device Power	Off	
4	Camera Gimbal Lock	Installed	
5	Memory Card	Removed if image download desired. If flying in support of an incident response or SAR effort, ensure imagery is presented to the designated individual.	

**Notes:**