



# UAS Flight Organizer

Assessments	Pilots	VO	Mission Manager
<b>Supervision</b> Clear chain of command. Briefings / meetings attended.			
<b>Planning:</b> Current IAP/MASP. Adequate time for mission planning. Communications available throughout expected area of operations. Appropriate aircraft, proper software updates and back-up plan in place. Knowledge of Airspace workspace and general aviation hazards.			
<b>Team:</b> Level of individual training and experience. Rest/fatigue, physical fitness, morale, and absence of outside distractions. All team members' current in required qualifications. Duration on incident, hours worked, and flight time noted.			
<b>Environment:</b> Extreme weather conditions (temperature, winds, turbulence, etc.), difficulty of terrain (aspect, slope, etc.), and level of fire activity. Access to flight area difficulty and travel challenges noted.			
<b>Mission Incident Complexity:</b> Potential for multiple missions in multiple work areas. Potential for high level of aviation activity in Fire Traffic Area. Lessons learned from previous days operations.			
<b>Total</b>			

<b>Green 0-11</b> <b>Low Risk</b> Proceed with Mission	<b>Amber 12-19</b> <b>Moderate Risk</b> Proceed with caution	<b>Red 20-25</b> <b>High Risk</b> Implement Measures Prior to Proceeding
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Rate risk from 1-5 for each category. Mitigations should be considered for any category rated higher than 3. If any category rates higher than 3, a team-mitigation needs to be completed for that category. A team-mitigation will also have to be completed if the total of the individual score is greater than 12. Document team mitigation discussion points.

Hazard Mitigations

## COA Reference

- Coordinate with airspace authority: SUA-MTR's
- Night Flight—crew trained and proper aircraft lighting.
- ELOS - VFR conditions, 3 SM Visibility, G airspace.
- ELOS - Distance from airports listed in the A/FD:
- 5 NM from a towered airport
- 3NM from an airport with published instrument approach, no tower
- 2NM from airport with no published instrument approach, no tower
- 2 NM from a heliport
- Cancel NOTAM when mission complete or not conducted.

## Mission Briefing / Pre-Mission Planning

- Safer alternative method for mission?
- Approved PASP/MASP/IAP-220
- Chain of Command and rolls defined. Check-in: AOB, ASGS, HEMB, ATGS, Dispatch (call sign). RX: RXB2, FMO/AFMO (Phone #'s)
- Air crewmembers (carded, qualified, capable).
- Aircraft mission capable (carded, software updates, verify next maintenance, charged (controller and batteries), and payload).
- Tablet – Maps Downloaded, up to date, and charged.
- Gear and Required PPE
- Notifications and communications plan (dispatch, helibase, Air attack)
- NOTAM 72-24 hours prior to flight (ELOS) or SGI – TFR (BVLOS)
- Airspace deconflicted (Agency, Private, and Military)
- LRZ locations identified.
- Emergency plans (Flyaway Procedures (ATC#), hang fire, and egress)
- Flight plans (need for VO's and watching airspace)
- All Hazards and mitigations known to entire group. Review watchouts.
- Weather
- Medical Plan (EMT's, EVAC, and IRPG/Medical Incident Report)

## Post Mission

- Closeout notification
- Data and flight logs handed off.
- Charge Controller, tablet.
- Charge Batteries
- Charge handheld Radio Batteries: FM/AM
- Replace supplies
- Generator and gas can full
- Flights/Batteries Reported
- CTR's
- Lessons learned.
- Close NOTAM

## Operations Briefing

- Call Sign / Comms
- Planned Missions
- Expected LRZ Locations
- Duration of flight
- Operating Altitudes
- V.O. Request hear/see and avoid (be our eyes and ears)
- Safety Around LRZ

## Gear List

- UAS
- Tablets, microfiber
- Sensor/lens cleaner
- SD Cards, readers, and flash drives
- AA/AAA Batts
- Bright Night Lights
- Full generator and gas can
- Ignis, Paper towels, 3/1 dry lube, syringe, batteries/charger, and repair tools)
- 100%Glycol, dragon eggs
- Fire Tools, bladder bag, and chainsaw.
- Sentry/ADS-B box
- Radios AM/FM, clam shells
- Radio cloning cable
- Phone booster/Starlink
- TV, table, sunshade
- extension Cords, 20 amp Power strips w/USB & USB-C ports generator adapters
- Charger for: Tablet, Batteries, Radio FM/AM, Phones, and Ignis
- Air compressor
- Landing pads
- Portable power bank