

UAS Flight Organizer - Fire

Incident: _____	Date: _____
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Notifications and Clearance

Call Sign: _____ Nearest ATC #: _____

NOTAM#: _____ Airspace Class: _____

MTR/SUA: _____

Dispatch Center: _____

Dispatch #: _____ Email: _____

Nearest airport (Distance/direction from you) _____

Expect A/C (Agency, Private, or Military) How Have you Mitigated-VO Briefed & ELOS/BVLOS discussed.

Lat	Long
A	
B	
C	

Aircraft (A/C)
A
B
C

RADIOS SCANNING - AIRSPACE CLEARANCE - WALKAROUND

<p>MAVIC/M600</p> <input type="checkbox"/> P Mode-Antennas <input type="checkbox"/> Tablet Connected <input type="checkbox"/> 2/3 Green Lights <input type="checkbox"/> A/C Settings/Errors/RTH <input type="checkbox"/> GPS/RSSI/Batteries/MSL <input type="checkbox"/> Ignis Settings/Geofence/Spacing/Arm Switch <input type="checkbox"/> Gimbal 90/Recording <input type="checkbox"/> T/O Clear <p style="text-align: center;">LANDING</p> <input type="checkbox"/> Nose out/Camera 90/Gear Down <input type="checkbox"/> Disarm: Left stick - Straight down	<p>SWITCHBLADE</p> <input type="checkbox"/> Flight Deck Open <input type="checkbox"/> A/C On <input type="checkbox"/> A/C Settings/RTH <input type="checkbox"/> GPS/RSSI/Batteries/MSL <input type="checkbox"/> Manual Mode/Antennas <input type="checkbox"/> Gimbal 90/Recording <input type="checkbox"/> T/O Clear <input type="checkbox"/> Arm: Left stick down/Right <p style="text-align: center;">LANDING</p> <input type="checkbox"/> Nose out/Camera 90/Gear Down <input type="checkbox"/> Disarm: Left stick - Straight down
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CTAF FREQ: _____ **CTAF FREQ:** _____ **TFR FREQ:** _____

Dispatch Freq: _____ **Tac:** _____ **Tac:** _____

A/G: _____ **A/G:** _____

A/C	Lat/Long	Altimeter		Pilot/VO	T.O. TIME	Flight TIME	Mission IR/PSD	EGGS DROPPED
		(MSL)						
		Ground	Cleared					
Totals		IR						
		PSD						
		Eggs						
		Acres						

Flight Risk Assessment

Assessments	Pilots	VO	Mission Manager
Supervision: Presence, accessibility, and effectiveness of leadership for all groups and personnel. Mission applicable briefings and meetings attended. Clear chain of command.			
Planning: Adequate briefing and mission planning time available. Radio communications available throughout expected area of operations. Appropriate aircraft, adequately charged batteries, proper software updates and back-up plan in place. Knowledge of Air-			
Team: Level of individual training and experience. Level of team members' rest/fatigue, physical fitness, morale, and absence of outside distractions. All team members' current in required qualifications and utilizing standardized procedures. Duration on incident, hours			
Environment: 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			
Mission Incident Complexity: 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.			
Total			

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:

Pre-Mission Planning

- Pilots current (part 107, IAT, RT-450/373, IQCS current, available in IROC)
- Software updates
- Check-in, phone #'s, freq's, maps.
- Notam/MTR/SUA/TFR
- SGI Received
- Weather
- Dispatch #
- Nearest ATC#'s
- Flyaway Procedures
- Maps Downloaded
- PASP/MASP Received
- IRPG/ 9-Line ICS-206 (WF)

Post Mission

- Closeout notification
- Data Handed off
- Charge Controller
- Charge Tablet
- Charge Batteries
- Charge handheld Radio Batteries: FM/AM
- Replace Supplies
- Generator Gassed
- Flights Reported

Gear List

- UAS
- Tablets, microfiber
- Thermal Camera, lens cleaner
- SD Cards, readers, and flash drives
- AA Batts
- Bright Night Lights
- Ignis (vinegar/peroxide spray bottle) Paper towels, Dry lube, syringe, batteries/charger, and repair tools)
- Glycol, dragon eggs
- Generator w/gas can
- Sentry/ADS-B box
- Radios AM/FM, clam shells
- Radio cloning cable
- Cell phone booster
- TV, Sunshade
- Fire Tools
- Extension Cords, Power strips w/USB & USB-C ports
- Folding table
- Charger for: Tablet, Batteries, Radio FM/AM, Phones, and Ignis
- Computer w/DJI assist
- Air compressor
- Landing pads
- Portable charger power bank

References

- COA (Rev 1): USFS: 2020-CSA-6198-COA
- COA (Rev-1) : DOI: 2020-CSA-6708-COA