

UAS Aerial Ignition Mission Evaluation

v2.2 2022

Trainee Name:

Assignment Dates: _____ to _____

**Instructor/
Evaluator Name:**

Total Ai Flights this assignment:

Total Ai Flights to date:

Incident Name:	Location:					Number:
Incident Complexity:	Type 1	Type 2	Type 3	Type 4/5	Prescribed Fire	Other
Airspace Complexity:	TFR	ATGS Coordination		On Scene Aircraft Coordination		Other
Mission Complexity:	BVLOS	Night Ops/Low Vis		Timber	Variable Terrain	Other
Operational Tempo:	<i>Indicate the overall dependency of firing operations relative to UAS AI coordination, sustained firing, sequencing, and pace with adjoining forces</i>					
	Low		Medium		High	

Evaluation Elements <i>Note: Critical elements are shaded</i>	1	2	3	4	NA	Remarks
1. Pre-Mission Procedures: Mission information, Prepare system and prepare logistical needs						
2. Review relevant documents: IAP, RX Burn Plan, Firing Plan, PASP, sectional, etc						
3. Confirm Airspace authorization(s), perform required notifications (NOTAM/Dispatch) and deconflictions, insure mission viability under required restrictions (COA, 107)						
4. Conduct a General UAS briefing to Incident Leadership including limitations, capabilities, default protocols						
5. Recon: Assess feasibility and identify hazards/limitations, perform extents flights wind checks, Monitor ADS-B traffic						
6. Confirm objectives and priorities, brief mission to crew						
7. Assist in the "Go/No Go" decision						
8. Determine emergency landing areas, alternate/supplemental LRZ						
9. Demonstrate IT proficiency (Upload/produce map, set geo fence, export desired products)						
10. Perform Airspace deconfliction with dispatch/helibase. Obtain clearance from ATGS. Set altimeter. Know FTA altitudes. Coordinate with other aircraft as required						
11. Anticipate and adjust ignition pattern to meet planned objectives using on-site fuel, weather, and available resources						
12. Confirm ground clearance: No personnel in burn area where drops are to occur, holding resources identified						
13. Coordinate with firing/holding personnel						
14. Utilize CRM (Info/task sharing w/VO)						
15. Maintain span of control						
16. Establish and follow a "status check" procedure with necessary personnel (ATGS/DIVS/RXBB/DISP) if necessary						
17. Watch for new/emerging hazards/ situations						
18. Provide aerial supervision and ground personnel with updates						
19. Demonstrate effective communication & frequency management (FM/AM)						
20. Demonstrate effective battery management						
21. Maintain consistent SA, LCES for aircraft and personnel, constantly evaluate "what if" plan for avoidance/incursions						
22. Debrief with crews & supervisors						
23. Refurbish UAS & payload, secure, pack, and transport equipment						

Focus Areas –
Next Assignment:

**Instructor Signature
and Date**

**Trainee Signature
And Date**

Evaluation Element Scoring:		
4	<i>No deficiencies</i>	<i>No Assistance required or deficiency noted</i>
3	<i>Minor deficiencies</i>	<i>No critical deviations noted; objectives met</i>
2	<i>Moderate deficiencies</i>	<i>Coaching required and/or deviations noted</i>
1	<i>Significant deficiencies</i>	<i>Frequent coaching required; outcome of event in doubt; safety compromised; failed to accomplish critical task</i>
NA		<i>Task/procedure was not applicable to this mission</i>

Evaluation Requirements: 7 Mission Critical elements (shaded) require a rating of 4 to pass the evaluation. All other elements require a minimum rating of 3 in order to pass the evaluation. Scores of 1 or 2 require remarks.