

Interagency Fire UAS Risk Assessment (v1.0, 5/19/19)

Assess the risks involved with the proposed operation. Use additional sheets if necessary. Line Officer/Designee signature is required.

Risk Assessment Matrix

LIKELIHOOD	SEVERITY			
	Negligible IV	Marginal III	Critical II	Catastrophic I
Frequent - A				
Probable - B				High - 4
Occasional - C			Serious - 3	
Remote - D		Medium - 2		
Improbable - E	Low - 1			

Appropriate Management Level for Risk Decisions

Risk Level	Incident	Project
High	Incident Commander	Line Officer
Serious	Air Operations Branch Director/Operations Section Chief	State Aviation Manager
Medium	Line Supervisor	Unit Aviation Manager
Low	UAS Remote Pilot	UAS Remote Pilot

Severity Scale Definitions

Catastrophic	<i>Results in fatalities.</i>
Critical	<i>Severe injury or loss (non-repairable damage) of the sUAS.</i>
Marginal	<i>Minor injury or major (reparable damage) to the sUAS.</i>
Negligible	<i>Less than minor injury or minor damage to the sUAS.</i>

Likelihood Scale Definitions

Frequent	Individual Fleet	<i>Likely to occur often. Continuously experienced.</i>
Probable	Individual Fleet	<i>Will occur several times. Will occur often.</i>
Occasional	Individual Fleet	<i>Likely to occur sometime. Will occur several times.</i>
Remote	Individual Fleet	<i>Unlikely to occur, but possible. Unlikely but can reasonably be expected to occur.</i>
Improbable	Individual Fleet	<i>So unlikely, it can be assumed it will not occur. Unlikely to occur, but possible.</i>

8. The UAS will have DOI approved lighting. The launch and recovery area will be well lit.	C	IV	1
9. Batteries will be stored in approved containers. A fire extinguisher will be available on site.	D	II	2
10. The remote pilot will ensure the aircraft is operated within policy and the provisions of the aircraft operations manual.	D	III	1
11. Establish requirements for documentation of online training to meet basic, minimum level of knowledge for all contracts. Consider pilot academy.	C	III	2
12. Managers work with company personnel to ensure adequate rest. Manage missions to be most effective with proper use of pilots & aircraft. Implement Phase Duty Limitations as appropriate	D	II	2
13. Ensure there incoming crews are thoroughly briefed. Practice CRM, conduct effective AARs, etc. Enforce contract language regarding relief pilot/personnel changes.	C	II	3
14. Conduct orientation flight with Ignition Specialist, hang fire mitigation and escaped fire contingency established, complete all operational checklists prior to starting operations.	C	III	2
15. Emergency procedures covered by Remote Pilot, Visual Observer and Burn Boss/Ignition Specialist in pre-burn briefing. Emergency release operations tested before flight.	D	II	2
16.			
17.			
18.			
Post-Mitigation Overall Rating (Highest Risk Level)			
Rationale Statement:			
Approved By:			Date: