

University of Colorado Boulder ORM

Rev. Original

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LAUNCH/LANDING SITE

HAZARD	LOW RISK	PTS	MODERATE RISK	PTS	HIGH RISK	PTS	TOTAL
Obstructions	Height: <10ft	0	Height: 10-50ft	10	Height: 50-150ft	20	
	Proximity: > 600ft		Proximity: 200-600ft		Proximity: 200-0ft		
Weather	No Precipitation	0	Light/Moderate Precip	10	Moderate/Heavy Precip	20	
	Calm Winds		Winds 5-15kts		Winds >15kts		
	Ceiling and Visibility Unlimited (CAVU)		Vis: 5-10, Ceil: >3000ft		Vis: 3-5, Ceil >1000ft		
Surface Condition	Smooth grass with few or no rocks	0	Grass or dirt with small (<3in diameter) or medium (3-5in diameter) rocks	10	Rough grass or dirt with medium or larger rocks	20	
Size	Multicopter	0	Foam Construction	5	Carbon/ Fiberglass Construction	10	

PERSONNEL RISKS

HAZARD	LOW RISK	PTS	MODERATE RISK	PTS	HIGH RISK	PTS	TOTAL
Experience	PAC-M Total Time in Type (TTT): >7hrs	0	PAC-M TTT: 3-7hrs	10	PAC-M TTT: 0-3hrs	20	
	VO Total Time (TT): > 5hrs		VO TT: 1-5hrs		VO TT: < 1 hr		
	Grnd Crew: > 2 deployments		Grnd Crew: 1-2 deployments		Grnd Crew: 0-1 deployment		
	PAC-O: > 5hrs		PAC-O: 3-5hrs		PAC-O: < 3hrs		
Health	PAC-M: Healthy	0	PAC-M: Mild Illness	10	PAC-M: Moderate/ Severe Illness	No Go	

	VO: Healthy		VO: Mild Illness		VO: Moderate/ Severe Illness		
	PAC-O: Healthy		PAC-O: Mild Illness		PAC-O: Moderate/ Severe Illness		
Rest (within the past 24hrs)	PAC-M: > 8hrs	0	PAC-M: 6-8hrs	10	PAC-M: < 6hrs	No Go	
	VO: > 8hrs		VO: 6-8hrs		VO: < 6hrs	25	
	PAC-O: > 8hrs		PAC-O: 6-8hrs		PAC-O: < 6hrs	No Go	

AIRSPACE RISKS

HAZARD	LOW RISK	PTS	MODERATE RISK	PTS	HIGH RISK	PTS	TOTAL
Proximity to Class A, B, C, D Airspace	Lateral Distance: > 5 miles	0	Lateral Distance: 5-1 mile(s)	10	Lateral Distance: <1 mile	30	
	Vertical Distance: > 1000ft		Vertical Distance: 500-1000ft		Vertical Distance: <500ft		

AIRCRAFT RISKS

HAZARD	LOW RISK	PTS	MODERATE RISK	PTS	HIGH RISK	PTS	TOTAL
Expected Usable Battery at Landing	>50%	0	50%-10%	15	<10%	No Go	
Aircraft Squawks	All squawks mitigated.	0	All flight-critical squawk mitigated.	10	Flight critical squawks not mitigated.	No Go	

FORECAST ENROUTE WEATHER RISKS

HAZARD	LOW RISK	PTS	MODERATE RISK	PTS	HIGH RISK	PTS	TOTAL
Precipitation	None	0	Light/Moderate	15	Heavy	25	
	> 50 miles	0	30-50 miles	10	< 30 miles	25	

Distance to Nearest Severe Weather	Lightning		Lightning		Lightning		
	Vis < 3 s.m.		Vis < 3 s.m.		Vis < 3 s.m.		
	Ceiling < 500ft (152m)		Ceiling < 500ft (152m)		Ceiling < 500ft (152m)		
	Surf Winds > 20kt (10m/s)		Surf Winds > 20kt (10m/s)		Surf Winds > 20kt (10m/s)		

EQUIPMENT RISKS

HAZARD	LOW RISK	PTS	MODERATE RISK	PTS	HIGH RISK	PTS	TOTAL
RC Transmitter	Battery Voltage: Full	0	Battery Voltage: Nominal	10	Battery Voltage: Low	25	
	Replacement Battery Available		Replacement Battery Not Available				
Ground Station Computer	Battery Remaining > 95%	0	Battery Remaining 75-95%	15	Battery Remaining < 75%	20	
	Charger Available		Charger Not Available				
Vehicle (applicable for mobile ops)	Fuel Level: Full	0	Fuel Level: 50-25%	10	Fuel Level: < 25%	No Go	
	Warning Indicators: Off				Warning Indicators: On		
	General Condition: Good		General Condition: Fair		General Condition: Poor		

LAUNCH TYPE (SELECT ONE)

Winch	General Condition: Good	0	General Condition: Fair	10	General Condition: Poor	30	
	Line Age and Condition: Good		Line Age and Condition: Fair		Line Age and Condition: Poor		
	Battery Age and Charge Condition: Good		Battery Age and Charge Condition: Fair		Battery Age and Charge Condition: Poor		
	Thrower Experience: High		Thrower Experience: Moderate		Thrower Experience: Low		
Roof Launching System (RLS)	Flight Crew Experience with RLS: High	0	Flight Crew Experience with RLS: Moderate	10	Flight Crew Experience with RLS: Low	30	

Hand Launch	Thrower Experience: High	0	Thrower Experience: Moderate	10	Thrower Experience: Low	30	
Bungee Launch	Bungee Condition: Good	0	Bungee Condition: Fair	10	Bungee Condition: Poor	30	
	Thrower Experience: High		Thrower Experience: Moderate		Thrower Experience: Low		
						Total:	0
GO		Approval by instructor in type needed.		Approval by DO needed.			
0-125 points		126-200 points		200+			