



TACTICAL RISK MANAGEMENT MATRIX



Pilot Name: _____ Date: _____ Mission #: _____ A/C #: _____ Sortie: _____

HAZARD	LOW RISK	PTS.	MODERATE RISK	PTS.	HIGH RISK *	PTS.	VALUE
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MAN - SUGGESTED VALUES

Experience / Training	≥ 1,000 hours PIC ≥ 50 hours mission time	0	≥ 250 < 1,000 hours PIC ≥ 25 < 50 hours mission time	10	< 250 hours PIC < 25 hours mission time	20	
Pilot Currency	≥ 10 hours within last 30 days	0	≥ 5 < 10 hours within last 30 days	10	< 5 hours within last 30 days	20	
Health / Crew Rest	Good health and proper crew rest	0	Fair health and/or some signs of fatigue	10	Poor health and/ or serious fatigue	No Go	

MACHINE - SUGGESTED VALUES

Maintenance Factors	Fully Functional	0	Partially Non-Functional	15	Fully Non-Functional	No Go	
Performance Factors	> 2,500' < 7,000' AGL search altitude	0	≥ 7,000' AGL search altitude	10	< 2,500' AGL search altitude	25	
A/A & A/G Comms	Good comms and/or high bird available	0	Some blind spots or faulty comms and/or no high bird	10	Poor comms and no high bird	15	

MISSION - SUGGESTED VALUES

Operations Tempo	1 - 2 total search aircraft	0	3 - 4 total search aircraft	10	> 4 total search aircraft	20	
Search Complexity	Simple tasks, no new technology	0	Complex tasks, no new technology	10	Complex tasks, new technology	20	

ENVIRONMENT - SUGGESTED VALUES

Weather (current & forecast, including winds aloft)	Icing: none	0	Icing: none	0	Icing: ≥ light	No Go	
	Ceiling: none	0	Ceiling: ≤ 1,500'	20	Ceiling: < 500'	75	
	Hazards: none	0	Hazards: lite-mod	10	Hazards: mod-sev	No Go	
	Winds: ≤ 5 kts.	0	Winds: > 5 ≤ 15 kts.	5	Winds: > 15 kts.	50	
	Visibility: ≥ 6 mi.	0	Visibility: > 3 < 6 mi.	10	Visibility: < 3 mi.	100	
Terrain	Low, flat	0	Foothills / featureless	25	Mountainous	50	
Night Ops			VFR	25	IFR	75	
Airfield	Familiar	0	Unfamiliar	25			

ADDITIONAL CIRCUMSTANCES - SUGGESTED VALUES

CAPF 5 & 91	No forced landings or simulated engine cuts	0	Forced landings and/or simulated engine cuts	50			
Overwater			Within gliding distance of land	50	Outside gliding distance of land	100	
CD Overwater			With immersion suit Water temp < 60° F	75	Without immersion suit Water temp < 60° F	No Go	

TOTAL CALCULATED RISK ASSESSMENT:

OVERALL RISK ASSESSMENT	Initials	Date / Time
Low Risk = 0 - 75 †	FRO / MC / IC	
Moderate Risk = 76 - 150 †	Squadron DO / DOS / CC	
High Risk = > 151 †	Wing DO / DOS / CC	
No Go	Mission can be rejected by any direct participant at any level	

Notes: * Implement suitable controls for any item in the high range. † Approvals are granted in ascending order of command and only with PIC concurrence. All approvals are optional, based upon local procedures and established Wing policies.