



# TACTICAL RISK MANAGEMENT MATRIX

## CIVIL AIR PATROL, PENNSYLVANIA WING



Hazard Man	Low	Pt.	Moderate	Pt.	* High	Pt.	Controls
Experience/Training	≥ 1000 hrs PIC ≥ 100 hrs msn time	0	≥ 250 < 1000 hrs > 50 < 100 hrs	10	≤ 250 hrs PIC ≤ 50 msn time	20	
Currency	≥ 10 hrs within last 30 days	0	≥ 5 < 10 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	5	Poor health and/or fatigued	N/G	
<b>Machine</b>							
Maintenance Factors	Fully functional	0	Partially functional	10	Nonfunctional	N/G	
Performance Factors	< 5000' AGL search altitude	0	> 5000' < 9000' AGL search altitude	10	≥ 9000' AGL search altitude	20	
Communications	Good comm. High bird available	0	Some blind spots no high bird	10	Poor comm. No high bird	20	
<b>Mission</b>							
Operations Tempo	1-2 search aircraft	0	3-4 search aircraft	10	> 4 search aircraft	20	
Complexity	Simple tasks, no new technology	0	Complex tasks, no new technology	10	Complex tasks, new technology	20	
<b>Environment</b>							
Weather @ Additionally, check winds aloft	Winds = calm @ visibility = 7+ Ceiling = none icing = none hazards: none	0	Winds = >5 ≤15 kts @ visibility = > 3 < 7 Ceiling = ≤ 1500' icing = none hazards: Lt-Mod	=5 =5 =10 =0 =10	Winds = > 16 kts @ visibility = < 3 ceiling = < 500' icing ≥ light hazards: Mod-Sev	N/G	
Terrain	Low, flat	0	Foothills/featureles	25	High, mountainous	50	
Night Operations			VFR	25	IMC	N/G	
Airfield	Familiar	0	Unfamiliar	15			
<b>Additional Entries</b>							
<b>Totals</b>							
Overall Risk Assessment					Initials		Date/Time
Low Risk = 0 – 75 #		FRO/Incident Commander (IC) approval required					
Moderate Risk = 76 – 150 #		Squadron Operations Officer approval required					
High Risk = > 151 #		Wing Operations Officer's approval required					
No Go (N/G)							

Notes: \* Implement suitable controls for any item in the high range  
 # Flight approval granted in ascending order of command and only with PIC concurrence  
 (example – score of 151 requires Wing DO, Squadron DO, and Flight Release Officer/IC Initials)