FLIGHT CREW MISSION RISK ASSESSMENT MATRIX

Risk Factor Values	0	1	2	Your Value (worst case scenario)
Flight Plan	Ops Normal	Divert	Unplanned Deviation	0
Ceiling	> 1000'	< 1000'	> 500' (700')*	0
Visibility	> 10 sm	3 -10 sm	> 1sm (2sm)*	0
Weather Trend	Improving	Static	Deteriorating	0
Wind Conditions	Calm to 25 Kts	> 25 Kts	High Wind Warning in Effect	0
Performance Planning, Altitude	< 3000' msl	3000'-6000' msl	> 6000' msl	0
Performance Planning, Temperature	< 25ºc	25ºc - 35ºc	>35ºc	0
Time within Duty Day	0 - 5 Hours	6 - 11 Hours	12 - 14 Hours	0
Mission Profile	Point to Point	IA-WD-LL	Medevac-PSD	0
Pilot Fatigue, 36 in 6	< 12 hrs	12 - 24 hrs	> 24 hrs	0
Pilot Stress, 12 Day Tour	Days 1-4	Days 5-8	Days 9-12	0
Crew Fatigue	at Base	Helibase/ Helispot	Fireline 3+ Days	0
Crew Stress, Assignment Length	Days 0-7	Days 8-14	Days 14+	0
Lowest 3+ Crewmembers' Experience	> 3 yrs	1 - 3 yrs	< 1 yr	0
				0

Low to Medium Risk	**GREEN**	**0 to 12**	**DATE:**
Elevated Risk	**YELLOW**	**13 to 18**	**PILOT:**
HIGH Risk (DETAIL MITIGATION STRATEGIES BELOW)	**RED**	**> 18**	**MANAGER:**

NOTE: The Risk Assessment Matrix tool is intended to focus attention on conditions which could endanger the crew, aircraft, and personnel on the ground when flying Apple Valley Flight Crew Missions. It is possible for an individual to selectively evaluate risk factors with the intent toward achieving an acceptable risk factor score, however the risk mitigation development strategy only works when accurate and objective information is displayed in the matrix. The intent of this tool is to enhance the entire flight crews' Situational Awareness toward recognizing hazards and applying risk mitigation strategies that promote a safe mission outcome. All members of the flight crew will participate in the Risk Assessment process. When the Matrix indicates a HIGH Risk Factor, the on-duty Pilot will collaborate with the crew, develop Risk Mitigation Strategies and annotate them in the lower section of this form. **This Risk Assessment process will continue throughout the mission as conditions evolve**.

Risks and Mitigation Strategies: