



PREFLIGHT RISK ASSESSMENT WORKSHEET - AIRPLANE



Pilot Name		Date		Mission #		Sortie		A/C #	
Factor	Minimal	Reduced	Nominal	Elevated/Special Conditions	No Go	Score			
Airfield(s) Familiarity (Planned Departure and Landings including touch and goes)	Familiar Have Taken Off, Landed, and Taxied at all airports in the sortie planned at least once in the last year (0 pts)	Unfamiliar Have not Taken Off, Landed, and Taxied at all airports in the sortie planned in the last year (1 pt)							
Time of Day	Day (0 pts)	Civil Twilight (1 pt)	Night (IFR Rated Pilot) (2 pts)	Night (VFR Rated Pilot) (5 pts)					
Index of Thermal Stress (View Chart Below)	Normal (0 pts)	Caution (1 pt)	Danger (3 pts)	Many Danger Sorties >= 4 Danger Sorties in the same operational period (5 pts)	Cancel Zone (60 pts) CAP/DO or designee approval required				
Outside Air Temp	> 40 deg F (0 pts)	<= 40 deg F (1 pt)	<= 20 deg F (3 pts)	<= -10 deg F (30 pts) Wing CC, CV or DO approval required	<= -20 deg F (60 pts) CAP/DO or designee approval required				
Departure & Arrival Weather Current and Forecast conditions VMC	Special VFR Instrument rated clear of clouds and >1 SM Visibility (1 pts)	IMC >= 800 AGL Ceiling and >= 2 SM Visibility and > approach mins (3 pts)	Reduced IMC >= 500 and >= 1 SM Visibility and > approach mins (15 pts) SFRO approval required	Low IMC < 500 or < 1 SM and > approach mins (30 pts) Wing CC, CV or DO approval required	Below approach minimums at departure airport CAP/DO or designee approval required				
Maximum Surface Winds (any direction including gusts)	Light <= 10 knots (0 pts)	Moderate > 10 <= 20 knots (1 pt)	High > 20 <= 30 knots (5 pts)	Extreme > 30 knots (30 pts) Wing CC, CV or DO approval required	No takeoffs permitted if crosswinds exceed maximum demonstrated crosswind as listed in the POH at departure or destination airports. No Waivers Authorized				
Takeoff or Landing Distance (TOLD)	Good Departure runway length > TO GROL + Lnd GROL (0 pts)		Caution Departure runway length < TO GROL + Lnd GROL (15 pts) SFRO approval required						
Bird Strike Hazard (highest risk at departure and arrival airports)	Low (0 pts)	Moderate (2 pts)	Severe (5 pts)						
Enroute Conditions (Forecast or Reported) Thunderstorms Icing Turbulence	None None Calm (0 pts)	Isolated (10-20%) Within 2,000' Light (2 pt)	Scattered (30-50%) Within 1,000' Moderate (Tango) (5 pts)	Numerous (60%+) Within 500' (10 pts)	Flight Into Icing, or Severe/Extreme Turb (Fcst/Rptd) or <10nm from a Thunderstorm No Waivers Authorized				
Mountain Flying Winds Aloft 9,000' to 12,000' MSL ◦ (N/A for non-mountainous or flights > 2000' AGL)	Light <= 15 KTS (0 pts)	Moderate > 15 <= 25 Knots (1 pt)	High > 25 <= 30 Knots (3 pts)	Extreme > 30 Knots (15 pts)					
Pilot Experience	Experienced > 500 hours PIC (0 pts)	Moderately Experienced > 300 <= 500 hours PIC (1 pts)	Minimal Experience <= 300 hours PIC (3 pts)						
CAP PIC Mission Recency	Very Familiar Flown this mission type in the last 60 days (0 pts)	Familiar Flown this mission type in the last 61-120 days (3 pt)	Moderately Familiar Flown this mission type in the last 121-180 days (10 pts)	Unfamiliar Never flown this mission type or > 180 days since last flown this mission type (15 pts)					
PIC Currency (Flight in same Category and Class; Consider currency of 2nd Pilot, if applicable)	Very Current Within last 30 Days (0 pts)	Current Within 31 - 90 Days (3 pt)	No Passengers/Cargo Within 91 - 180 Days (10 pts)	Noncurrent 181 Days or more (15 pts)					
Crew Duty Period (Crew Show To Land)	Low Normal < 10 hrs (0 pts)	High Normal 10 - 12 hrs (1 pt)	Extended 12 - 14 Hrs (2 pts)	Maximum 14 - 16 Hrs (30 pts) Wing CC, CV or DO approval required	> 16 hrs No Waivers Authorized				



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Aircrew Condition (All Crew Members; assign based on worst person functioning as crew member)	Excellent 100% Good-To-Go (0 pts)	Good Minimal stress/discomfort, sufficiently rested (1 pt)	Fair Some stress/discomfort/fatigue, legal to fly IMSAFE (2 pts)		Significant pain, sickness or other wise run down No Waivers Authorized	
Sorties Planned	1 Sortie (0 pts)	2 Sorties (1 pt)	3-4 Sorties (2 pts)	5 or More Sorties (3 pts)		
Mission Complexity	Routine Fully qualified crew (0 pts)	Moderate Flight Evaluation Training Event or Minor Differences (1 pt)	Elevated Significant Differences; Unfamiliar or Complex (3 pts)	Special Interest Missions RPA Escort, GF, Intercept, TOPS, all Cadet (15 pts)		
Overwater Flight	Over Land (0 pts)	Within Gliding Distance (1 pt)	Beyond Gliding Distance Rescue Forces On Standby (25 pts)	Beyond Gliding Distance No Rescue Forces On Standby (30 pts)	Beyond 50 nm of Shore CAP/DO or designee approval required (60 pts)	

Some conditions require approval at level noted; otherwise Total Score below sets level of release

TOTAL SCORE

Low - Scores between **0 and 14** may be approved by any Flight Release Officer.
Med - Scores between **15 and 29** must be approved by a Senior Flight Release Officer.
High - Scores between **30 and 59** must be approved by a Senior Flight Release Officer and the Wing CC, CV or DO.
Extreme - Scores greater than or equal to **60** must be approved by a Senior Flight Release Officer, the Wing CC, CV or DO, and the CAP/DO or their designee through the NOC.
 Disapproval at any level of the approval process terminates the request. Changes to the assessment after an intermediate approval require a restart of the process.

What are the primary risks you will face on this mission?	What are you doing to mitigate these risks?

Are there additional risks, not previously identified, that need mitigation?

Index of Thermal Stress

