



CAP AVIATION RISK MANAGEMENT WORKSHEET



Pilot Name		Date	Mission #	Sortie	A/C #	Score
Factor	Low	Moderate	High	Extreme	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)		
Thunderstorms (Forecast or Reported)	None (0 pts)	Isolated 10 - 20% (1 pt)	Scattered 30 - 50% (5 pts)	Numerous 60 - 100% (10 pts)		
Turbulence (Forecast or Reported)	Calm (0 pts)	Light (1 pt)	Moderate ex. AIRMET Tango (5 pts)		No Go Forecast or Reported Severe or Extreme No Waivers Authorized	
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	
Wind Chill Factor (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	
Icing (Forecast or Reported)	None (0 pts)	Possible Within 2,000' (1 pt)	Very Possible Within 1,000' (3 pts)	Probable Within 500' (5 pts)	No Go At or below highest flight altitude No Waivers Authorized	
Visual Flight Rules Current and/or Forecast Flight ceiling/visibility at Departure and Destination Airports <input type="radio"/> (N/A)	VMC > 3,000' AGL Ceiling and > 5 SM Visibility (0 pts)	Marginal VMC 1,000-3,000' AGL Ceiling or 3-5 SM Visibility (3 pts)	Special VFR Instrument rated clear of clouds and >1 SM Visibility (5 pts)		No Go < 1,000' AGL or < 3 SM (60 pts) CAP/DO or designee approval required	
Instrument Flight Rules Current and Forecast Flight ceiling/visibility at Departure and Destination Airports <input type="radio"/> (N/A)	Marginal VMC or better >= 1000 AGL Ceiling and >= 3 SM Visibility (0 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 > apprch mins (30 pts) Wing CC, CV or DO approval required	No Go 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 Go No takeoffs permitted if crosswinds exceed maximum demonstrated crosswind as listed in the POH at departure or destination airports. No Waivers Authorized	
Mountain Flying Winds Aloft (9,000' to 12,000')	Light Non-mountainous or <= 15 Knots (0 pts)	Moderate > 15 =< 25 Knots (1 pt)	High > 25 =< 30 Knots (3 pts)	Extreme > 30 Knots (30 pts) Wing CC, CV or DO approval required		
FAA Runway Condition Assessment Matrix Known Runway Conditions (N/A for Float or Ski Operations)	Dry Code 6 (0 pts)	Good to Medium Frost, Wet, < 1/8" depth of: water, slush, dry snow, or wet snow; compacted snow (Codes 5 and 4) (1 pt)	Medium to Poor Dry snow or wet snow over compacted snow; > 1/8" depth of: water, slush, dry snow, wet snow (Codes 3 and 2) (3 pts)	Poor to Nil Ice, wet ice, slush over ice, water over compacted snow, dry snow or wet snow over ice (Codes 1 and 0) (5 pts)		
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			



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Factor	Low	Moderate	High	Extreme	No Go	Score
Pilot Experience	<input type="radio"/> Experienced > 500 hours PIC (0 pts)	<input type="radio"/> Moderately Experienced > 300 <= 500 hours PIC (1 pts)	<input type="radio"/> Minimal Experience <= 300 hours PIC (3 pts)			
CAP PIC Mission Recency	<input type="radio"/> Very Familiar Flown this mission type in the last 60 days (0 pts)	<input type="radio"/> Familiar Flown this mission type in the last 61-120 days (1 pt)	<input type="radio"/> Moderately Familiar Flown this mission type in the last 121-180 days (2 pts)	<input type="radio"/> Unfamiliar Never flown this mission type or > 180 days since last flown this mission type (3 pts)		
PIC Currency (Flight in same Category, Class and Type; Consider currency of 2nd Pilot if applicable)	<input type="radio"/> Very Current Within last 30 Days (0 pts)	<input type="radio"/> Current Within 31 - 60 Days (1 pt)	<input type="radio"/> Moderately Current Within 61 - 90 Days (2 pts)	<input type="radio"/> Noncurrent 91 Days or more (3 pts)		
Crew Duty Period (Crew Show To Land)	<input type="radio"/> Low Normal < 10 hrs (0 pts)	<input type="radio"/> High Normal 10 - 12 hrs (1 pt)	<input type="radio"/> Extended 12 - 14 Hrs (2 pts)	<input type="radio"/> Maximum 14 - 16 Hrs (30 pts) Wing CC, CV or DO approval required	<input type="radio"/> No Go > 16 hrs No Waivers Authorized	
Aircrew Condition (All Crew Members; assign based on worst person functioning as crew member)	<input type="radio"/> Excellent 100% Good-To-Go (0 pts)	<input type="radio"/> Good Minimal stress/discomfort, sufficiently rested (1 pt)	<input type="radio"/> Fair Some stress/discomfort/ fatigue, legal to fly IMSAFE (2 pts)		<input type="radio"/> No Go Significant pain, sickness or other wise run down No Waivers Authorized	
Sorties Planned	<input type="radio"/> 1 Sortie (0 pts)	<input type="radio"/> 2 Sorties (1 pt)	<input type="radio"/> 3-4 Sorties (2 pts)	<input type="radio"/> 5 or More Sorties (3 pts)		
Mission Complexity	<input type="radio"/> Routine Fully qualified crew (0 pts)	<input type="radio"/> Moderate Flight Evaluation Training Event or Minor Differences (1 pt)	<input type="radio"/> Elevated Significant Differences; Unfamiliar or Complex (3 pts)			
Overwater Flight	<input type="radio"/> Over Land (0 pts)	<input type="radio"/> Within Gliding Distance (1 pt)	<input type="radio"/> Beyond Gliding Distance Rescue Forces On Standby (25 pts)	<input type="radio"/> Beyond Gliding Distance No Rescue Forces On Standby (30 pts)	<input type="radio"/> 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

Scores between **0 and 14** may be approved by any Flight Release Officer.

Scores between **15 and 29** must be approved by a Senior Flight Release Officer.

Scores between **30 and 59** must be approved by a Senior Flight Release Officer and the Wing CC, CV or DO.

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.

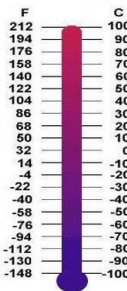
What are the risks you will face on this mission?

What are you doing to mitigate these risks?

Identify any other mitigation methods employed to reduce risk.

Index of Thermal Stress

Dry Bulb Temp (F)	Normal Zone (<= 90 F)				Caution Zone (91-100 F)				Danger Zone (101-115 F)				Cancel Zone (> 116 F)						
	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120
70	74	75	77	79	81	82	84	86	88										
75	78	80	81	83	85	87	88	90	92	94									
80	82	84	85	87	89	91	92	94	96	98	99								
85	86	88	90	91	93	95	97	98	100	102	104	105							
90	90	92	94	96	97	99	101	103	104	106	108	110	111						
95	94	96	98	100	101	103	105	107	108	110	112	114	115	117					
100	99	100	102	104	106	107	109	111	113	114	116	118	120	121	123				
105	103	104	106	108	110	111	113	115	117	118	120	122	124	125	127				
110	107	109	110	112	114	116	117	119	121	123	124	126	128	130	132				
115	111	113	115	116	118	120	122	123	125	127	129	130	132	134	136				
120	115	117	119	120	122	124	126	127	129	131	133	134	136	138	140				



Wind Chill

Wind (knots)	Normal Zone (> 0° F)				Caution Zone (0° F to -29° F)				Danger Zone (-30° F to -50° F)				Cancel Zone (< -50° F)															
	Temperature °F																											
	40	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	40	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25
Calm	40	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	40	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25
5	36	30	24	18	12	6	0	-6	-12	-18	-23	-29	-35	-41	36	30	24	18	12	6	0	-6	-12	-18	-23	-29	-35	-41
10	33	27	21	14	8	2	-5	-11	-17	-23	-30	-36	-42	-49	33	27	21	14	8	2	-5	-11	-17	-23	-30	-36	-42	-49
15	31	25	18	12	5	-1	-8	-14	-21	-27	-34	-40	-47	NG	31	25	18	12	5	-1	-8	-14	-21	-27	-34	-40	-47	NG
20	30	23	17	10	3	-3	-10	-17	-23	-30	-37	-43	-50	NG	30	23	17	10	3	-3	-10	-17	-23	-30	-37	-43	-50	NG
25	29	22	15	8	2	-5	-12	-19	-26	-32	-39	-46	NG	NG	29	22	15	8	2	-5	-12	-19	-26	-32	-39	-46	NG	NG
30	28	21	14	7	0	-7	-14	-20	-27	-34	-41	-48	NG	NG	28	21	14	7	0	-7	-14	-20	-27	-34	-41	-48	NG	NG
>30	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	