



## CIVIL AIR PATROL SMALL UNMANNED AERIAL SYSTEMS OPERATIONAL RISK MANAGEMENT MATRIX

MISSION NUMBER		SORTIE		DATE	
sUAS PILOT IN COMMAND		CAPID		INITIALS	
AIR OPERATIONS BRANCH DIR		CAPID		INITIALS	

HAZARD IDENTIFICATION	LOW	PTS	MODERATE	PTS	HIGH	PTS
<b>TEAM</b>						
COA REQUIRED	NONE	0	NIGHT/BVLOS	2	OVER PEOPLE/DROPPING OB.	3
PILOT PIC EXPERIENCE	50 HOURS OR MORE	0	20-50 HOURS	1	20 HOURS OR LESS	2
TEAM SIZE	3 OR MORE MEMBERS	0	2 MEMBERS (UASMP/UAST)	1	1 MEMBER	N/G
TEAM REST	RESTED	1	SOME FATIGUE	2	TIRED	N/G
TEAM EXPERIENCE	75%-100% QUALIFIED	1	50%-74% QUALIFIED	2	UNDER 50% QUALIFIED	3
PIC FLIGHT CURRENCY	>1 HOUR IN LAST QTR	0	0.1 TO 1.0	2	<0.1 HOUR IN LAST QTR.	3
REFLECTIVE VEST	ALL OUTFITTED	0			ALL NOT OUTFITTED	N/G
<b>MACHINE</b>						
sUAS TYPE	SIMPLE (GPS MODES)	1	SIMPLE (ATTI MODES)	2	COMPLEX	3
MAINTENANCE	NO KNOWN PROBLEMS	1	DUE FOR MAINTENANCE	2	CANNOT PASS PREFLIGHT	N/G
COMMUNICATIONS	VHF MOBILE & CELL PHONE	1	HANDHELD VHF OR CELL	2	NO RADIO OR CELL PHONE	N/G
<b>ENVIRONMENT</b>						
TEMPERATURE	BETWEEN 45 AND 80	1	UNDER 45, OVER 80	2	UNDER 20, OVER 95	3
VISIBILITY	OVER 3 SM	0	LESS THAN 3 SM (W/COA)	2	LESS THAN 1 MILE	N/G
WIND, INCLUDING GUSTS	0 - 10 KNOTS	1	10 - 20 KNOTS	2	20 to MFG MAXIMUM	3
					GREATER THAN MFG MAX	6
PRECIPITATION	NONE	0	RAIN/FOG	2	HEAVY RAIN, SLEET/SNOW	3
KP INDEX	1 TO 3	1	3 TO 6	2	7 OR MORE	N/G
TERRAIN	FLAT OR LOW HILLS	1	LARGE HILLS, SMALL MOUNTAINS	2	LARGE MOUNTAINS, CLIFFS	3
<b>MISSION</b>						
COMPLEXITY	SIMPLE TASKS, NO NEW TECHNOLOGY	1	COMPLEX TASKS, NO NEW TECHNOLOGY	2	COMPLEX TASKS, NEW TECHNOLOGY	3
# OF sUAS TEAMS IN AOR	1-2 TEAMS	1	3-4 TEAMS	2	OVER 5 TEAMS	3
AIRCRAFT IN AOR	NO AIRCRAFT IN AOR	1	A/C IN AOR W/COORD	2	A/C IN AOR W/O COORD	3
TRAVEL ESTIMATE TO SITE	50 MILES OR LESS	1	51-100 MILES	2	OVER 100 MILES	3
TRAFFIC TO SITE	LIGHT TO NONE (RURAL)	1	MODERATE (CITY)	2	HEAVY (RUSH HOUR)	3
<b>TOTALS</b>						
<b>FINAL ORM SCORE</b>						

A "N/G" score in any of the ORM factors means no sortie is authorized under these conditions. The composition and conditions associated with the sortie must be changed, causing a change of the ORM score to within an appropriate risk scenario, prior to releasing a sortie.

OVERALL RISK ASSESSMENT	SIGNATURE	DATE
LOW RISK = 14-27, BRIEFING OFFICER APPROVAL		
MODERATE RISK = 28-37, AOB/OSC APPROVAL		
HIGH RISK = 38-49, WING/CC, DO, DOU or IC APPROVAL		

This form must be completed prior to launch. If the sortie is launched remotely, the Final ORM Score must be given to the briefing officer so that a phone approval may be granted. In the event of a phone approval the form must be forwarded to the appropriate party for signature after action.