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2025 MATE ROV Competition UN Decade of the Ocean, MATE Year of the Great Lakes INITIAL SAFETY AND DOCUMENTATION REVIEW RANGER

Company Number:							Competition Class: RANGER			
Company Name:							Judge:			
Documentation Submission										
	Doci	umen	tatio	ation is not submitted on time, is not within the given file size or page limit, does not use the proper naming convention, or is not a PDF						
	file.									
	1	0		Technical Documentation						
	1	0		Company Spec Sheet						
	1	0		SID(s))(s)					
	1	0			mpany Safety Review					
	1	0			/ Device Design Specifications					
	1	0		JSEA	A					
		Score		0	0 Weighting Value: 0.333333 0					
		SCOLE				weighting value.	0.333333	0		
ROV ROUGH										
ROV	SID	0	, I	DOVICED to A constitution of the control of the CAD (to control of the control of						
	1	0	,	ROV SID is 1 page in length and drawn with CAD (is not hand drawn)						
	1	0		ROV SID shows a fuse and fuse uses a proper IEC, NEMA, or ANSI symbol						
				ROV SID includes includes full load amps value and fuse selection						
	1 0 ROV SID is a higher level interconnection diagram, not a component level electrical schematic									
ROV	DV Safety (Company Safety Review - photos are required of each system)									
	1	0		The ROV uses red/black Anderson connectors and has a properly sized ATO or mini blade fuse within 30 cm.						
	1	0		Company safety review includes full load amps value and fuse selection						
	1	0	•		Control box/console is neatly laid out and does not have exposed wiring.					
	1	0	,	AC and DC	and DC are separated and identified in control box, or AC is not used					
	1	0	,	ROV has ac	dequate RO\	/-side strain relief and pressure housin	gs can withstand depth			
	1	0	,	All propelle	ers are properly shrouded and protected to IP-20 standards.					
	1	0		There are r	no sharp edges or dangersous components seen on the ROV.					
		C		0		Madalata - Malaa	1 626264	2		
		Score		Weighting Value: 1.636364				0		
<u>Fluid Power</u>										
(If fluid power is used, enter a 1 in the box.									
If fluid power is NOT used, enter a 0 in the box.										
Fluid power SID										
	1	0		Fluid powe	r SID 1 page	e in length, drawn with CAD (is not hand	d drawn), and uses industry standard symbols			
					1 0	,	, ,			
	#	of Y	S	0		Weighting Value:	0	0		
Non-ROV device - Float										
If a float is huilt and documented, enter a 1 in the hox.										
If a float is NOT built and documented, enter a 0 in the box.										
Non-ROV Device SID (vertical profiling float)										
	1 0 Non-ROV-Device SID shows a fuse using a standard fuse symbol and includes full load amps value and fuse selection									
Non-ROV device design documents (vertical profiling float)										
	1	0		A photo or diagram of the non-ROV devices is included						
	1	0		The type of battery used is described. A photo of the battery pack and a photo of the fuse(s) is included						
	1	0		A table of the measurements showing full load current is included How the battory pack was designed to cafely fulfill the full load current paeds and voltage requirements is described.						
	1	0		How the battery pack was designed to safely fulfill the full load current needs and voltage requirements is described The buoyancy engine / mechanism used for completing vertical profiles is described						
	1	0		How the float communicates with the shore side receiver is described						
	1									
	i	of Y	S	0		Weighting Value:	0	0		
,, 01 13						**Cigning value.		<u> </u>		
TOTAL POINTS:			rs:							