Company Name:	Company Number:		
2024 MATE ROV COMPETITION. Observing Our Oceans: Understanding Our World And Creating Our Future SCOUT CLASS SAFETY INSPECTION CHECKLIST			
Companies must bring this check list, the ROV, tether, surface controls, and will all be inspected as part of the safety check. In addition, the SID, must b			
1.0 Initial Safety Inspection	4.0. Pneumatic / Hydraulic (if applicable)		
Fluid power used?	Pneumatic or hydraulic diagram (SID) present.		
If yes, see Section 4.0 Pneumatics / Hydraulics	Uses air for pneumtics or water for hydraulics.		
2.0 ROV Physical	No electrical pumps allowed. Manual (and or foot pumps only!)		
All items attached to ROV are secure.	No electrical pumps allowed. Manual (and or root pumps omy:)		
Hazardous items are identified and protection provided.	No pressure accumulators (pressure inside a containter should nev		
ALL propellers are completely shrouded or are enclosed inside the	be higher than ambient pressure).		
frame of the ROV.			
No sharp edges or elements of the ROV design that could cause injury	Any container that air is being pumped into is vented to the pool		
to personnel or damage the pool surface.	with vent holes at least 1/4-inch (6.35 mm) diameter.		
3.0 ROV Electrical	,		
Tether is properly secured at the ROV.	5.0 Lasers		
No exposed motors.	No lasers present (lasers are not allowed in the SCOUT class).		
Brushless motors are considered exposed unless electrically sealed			
after purchase. Companies should provide proof of sealing			
procedure.	SAFETY INSPECTION #1		
No exposed copper or bare wire.	PASSED: 10 POINT		
All wiring securely fastened and properly sealed.*			
Any splices in tether are properly sealed.*	Failed: Items to correct noted on rear of this sheet.		
3.1 Surface Controls Electrical & Physical			
Single attachment point to the power source.	SAFETY INSPECTION #2		
Anderson powerpole attachment to power source.	PASSED: 10 POINT		
15 amp (or less) single inline ATO or MINI fuse within 30 cm of power			
supply attachment point.	Failed: Items to correct noted on rear of this sheet.		
The surface control station is built in a neat and workmanship like			
manner. No loose components or unsecured wires. All electrical	SAFETY INSPECTION #3		
components are covered inside an enclosure.	PASSED: 10 POINT		
components are covered inside an enclosure.			
No exposed copper or bare wire.	Failed: Reason / details are noted on rear of this sheet.		
if used, 120VAC wiring is separated from the DC wiring.			
All wires entering and leaving the surface control station must have	Total Safety Points:		
adequate strain relief and wire abrasion protection as the wires pass			
through the enclosure.	On Site Inspection		
No AC power sources	On Site Inspection		
Cameras operate off the MATE 12VDC power supply thrugh the single	0 or 10 points		
attachment point to the power source.			
* Properly sealed means that the wires cannot be exposed to water. Tape			
only sealing will allow the conduction of electricity through water.			
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At minimum, joints must be soldered, sealed with a proper waterproof sealant, and covered in tape or shrink wrap. For in water taping, silicone self-vulcanizing tape is preferred over thermoplastic tape. Cables with

exposed male connections on both ends are not allowed.

Inspection #1	: Items to address	Judge:	
Inspection #2: Items to address Judge:			
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Inspection #3	Reason	Judge:	