COMPANY NAME:	<b>COMPANY NUMBER:</b>	
	OV COMPETITION	
	Operations in Rivers, Lakes, and Dams	
	S SAFETY CHECK LIST	
Companies must bring this check list, the ROV, tether, surfa		
	e safety check. In addition, the SID, technical documentation, and nust be made available to Safety Inspectors during the inspection	
process.	iust be made available to Safety Inspectors during the inspection	
1.0 Initial Inspection Results	*Properly sealed means that the wires cannot be exposed	
Fluid Power is used & approved. If powered	to water. Tape only sealing will allow the conduction of	
pumps are being used, see section 4.0 Pnematics	electricity through water.	
and Hydraulics. If only manual pumps are used,		
section 4.0 is not used.	At minimum joints must be soldered, then sealed with	
2.0 ROV Physical	silicone sealant and then finally taped. For in water	
All items attached to ROV are secure.	taping, silicone self-vulcanizing tape is preferred over	
Hazardous items are identified and protection	thermoplastic tape. Cables with exposed male connections on both ends are not allowed.	
provided.	on both ends are not anowed.	
ALL Propellers are completely shrouded or are	4.0 Pneumatic / Hydraulic (if applicable)	
enclosed inside the frame of the ROV.	Passed pneumatics/hydraulics test.	
No sharp edges or elements of ROV design that	Pneumatic or hydraulic diagrams present?	
could cause injury to personnel or damage to pool	Pneumatic and/or hydraulic component	
surface.	documentation provided?	
3.0 ROV Electrical	All pressure lines have minimum pressure rating	
Tether is properly secured at the ROV.	100psi (pneumatic) or	
No exposed motors.	300psi (hydraulic)	
Brushless motors are considered exposed unless	stamped on line or verified with specifications	
electrically sealed after purchase. Companies	Valves meet the minimum pressure of	
should provide proof of sealing procedure.	100 psi pneumatic or 300 psi hydraulic	
No exposed copper or bare wire.	Attachment to pressure source is secure.	
All wiring securely fastened and properly sealed*.	Pressure is regulated to	
Any splices in tether are properly sealed*.	40 psi max for pneumatics and	
3.1 Surface Controls Electrical & Physical	150 psi max for hydraulics.	
Single attachment point to power source.	Pressure vessels have a stamped pressure rating or	
Anderson Power Plugs for electrical attachment	verification by specification.	
15 amp (or less) single inline fuse within 30cm of	Pressure vessels have current inspection sticker.	
power supply attachment point.	Pressure vessels can be secured on pool deck.	
Surface control station is built in a neat and workmanship like manner. No Loose components	Company fabricated pressure accumulator test	
or unsecured wires. All electrical components	results are provided (if used).  No hydraulic fluids are leaking.	
covered inside an enclosure.		
Tether is properly secured at the surface control.	Pneumatics utilize compressed air or inert gas	
No exposed copper or bare wire.	5.0 Lasers  No Lasers – Not permitted for NAVIGATOR	
All wires entering and leaving the surface control	No Lasers – Not permitted for NAVIGATOR	
station must have adequate strain relief and wire	INSPECTION #1 PASSED: 10	
abrasion protection as the wires pass through the	POINTS	
enclosure. Tape, zip ties, string and similar	FAILED: Items to correct: (see rear of this sheet)	
methods are not acceptable	, , , , , , , , , , , , , , , , , , , ,	
If used, 120VAC wiring is separated from the DC	INSPECTION #2 PASSED: 10	
wiring (used for AC powered monitor).	POINTS	
If used, 120VAC wiring must be clearly identified	FAILED: Items to correct: (see rear of this sheet)	
from the DC and control voltages with signage		
and/or wire color schemes. If color schemes, key	INSPECTION #3 PASSED: 10	
provided for identification.	POINTS	

Cameras operate off the MATE 12VDC power

All connectors utilized are properly type rated for

their application. AC only rated connectors not be

supply through the single attachment point to

power source

used for DC

FAILED: Reason (see rear for details)

On Site Inspection [0 to 10]

**Total Safety Points** 

<b>Inspection #1: Items to address</b>	Judge:
_	
<b>Inspection #2: Items to address</b>	Judge:
•	
Inspection #3: Reason Ju	ıdge:
•	