

Company Name:

Company Number:

**2019 MATE ROV Competition**  
**Innovations for Inshore: ROV Operations in Rivers, Lakes and Dams**  
**RANGER CLASS INITIAL SAFETY AND DOCUMENTATION REVIEW**

Submission is on time, within the given size limit, uses the proper naming convention, is a PDF file, and is submitted with the other documents.

1	0	Technical documentation
1	0	Company Spec sheet
1	0	SID(s)
1	0	OBS Design Document
1	0	Company Safety Review

\*Image recognition documentation is not included in this review

**SID**

1	0	SID is 1 page in length and drawn with CAD (is not hand drawn)
1	0	SID shows a fuse and fuse uses a proper IEC, NEMA, or ANSI symbol
1	0	SID includes proper fuse calculations
1	0	SID is a higher level interconnection diagram, not component level electrical schematic

**Non-ROV Device SID (Micro-ROV)**

1	0	Non-ROV device SID is 1 page in length and drawn with CAD (is not hand drawn)
or		
1	0	Company states they are not attempting the micro-ROV task

**SID Fluid Power**

1	0	Fluid power SID is 1 page in length and drawn with CAD (is not hand drawn)
1	0	Fluid power SID uses industry standard symbols
or		
2	0	Company safety review states fluid power is not used.

**Micro-ROV design document**

1	0	OBS Design document shows OBS is built to proper specifications
or		
1	0	Company states they are not attempting the micro-ROV task

**Company safety review (photos are required for each system)**

1	0	ROV uses Anderson Powerpole connectors and has a properly sized fuse within 30 cm
1	0	Company safety review includes proper fuse calculations
1	0	Control box/console is neatly laid out and does not have exposed wiring
1	0	Review states company has passed Fluid Power Quiz or indicates fluid power is not used
1	0	ROV has adequate strain relief and any pressure housings can withstand depth
1	0	All propellers are properly shrouded and protected to IP-20 standards
1	0	No sharp edges or dangerous components are seen on ROV

**TOTAL POINTS:**

Company has passed fluid power quiz	Yes	No
Company is on approved laser list	Yes	No