



2025 MATE ROV Competition
UN Decade of the Ocean, MATE Year of the Great Lakes
Non-ROV Device Safety Inspection Sheet
NAVIGATOR/SCOUT

Company Number:	Class: NV SC
Company Name:	Judge Name:

NAVIGATOR/SCOUT CLASS Non-ROV Device Power Specifications SAFETY CHECK LIST. Companies must bring this check list with them to their safety inspection.

In 2025, only the vertical profiler qualifies as a non-ROV device.	
	ELEC-NRD-001: Non-ROV devices is powered from the surface.
	ELEC-NRD-001: Power is limited to 12 VDC maximum and 5 amps maximum. Power comes from a surface supply. Connection to power is by red/black Anderson Powerpole connectors.
	ELEC-NRD-001: Temperature sensors on the Non-ROV device may be powered independently from the vertical profiling float if it is a purchased "off the shelf" system with integrated batteries and has a voltage less than 9v.
	ELEC-NRD-002: The device may not utilize cameras. Thrusters are allowed.
	ELEC-NRD-003: Connection to power is by red/black Anderson Powerpole connectors.
	ELEC-NRD-004: A fuse (5 amps max) must be installed within 30 cm of the battery positive terminal.
	ELEC-NRD-004: Fuse is an ATO fuse or Mini fuse.
	<ul style="list-style-type: none"> • Propellers must be enclosed inside the frame of the float or shrouded. The propeller should not be able to touch any surface of the pool. Floats with propellers protruding outside the framework will not pass safety inspection and cannot be used.
	<ul style="list-style-type: none"> • Float operates independently of the ROV
	<ul style="list-style-type: none"> • The float is less than 50 centimeters in overall height. The float does not have a diameter/length/width greater than 15 cm.