

ROV Compliance Checklist

Inspector's Name: _____ Initials: _____

Attachments shall not be removed or added after the compliance check, but may be repositioned.

Teams can add or remove cable ties (zip ties) used to position/reposition attachments.

Teams can make buoyancy adjustments including adding or removing buoyancy material.

Design compliance

Stock and Open Class

- No dimension is larger than 18 inches (fits through an Obstacle Course Hoop)
- Uses only one standard 12VDC (9 Amp Hour max) battery for propulsion.
Battery shall be no larger than 6.5" long x 3" wide x 4" high.
- Uses only standard SeaPerch kit motors or exact replacement for propulsion

Stock Class Specific

- Maximum of 3 standard motors for propulsion
- ROV meets maximum \$25 (value) for modifications. Teams shall present itemized cost breakdown.
- Controller uses only on/off buttons and switches. Use of pulse width modulation (PWM) and/or microcontrollers is not allowed. Resistors or potentiometer to limit voltage to motors is allowed.

Safety

- All exposed electrical connections on SeaPerch ROV, tether cable, and controllers are insulated
- All Motors are waterproofed
- Power cable must have insulated covers on alligator clips

Construction

- No loose parts that could potentially fall off during competition
- Tether cable is secured to ROV

As team captain/mentor I am responsible for the students on my team and will assure that the students do not make modifications to the ROV system after the compliance check.

Team Captain or Coach's Name: _____

Signature: _____