

COMPANY NAME: _____

COMPANY NUMBER: _____

2016 MATE ROV COMPETITION*From the Gulf of Mexico to Jupiter's Moon Europa: ROV Encounters in Inner and Outer Space****EXPLORER & RANGER LASER SAFETY CHECK LIST***

Companies must bring this check list attached to the main safety checklist to the Safety Inspection.

| | |
|--------------------------|---|
| 1.0 Documentation | |
| | Laser specification sheet |
| | Electrical schematics showing laser driver |
| | On Preapproved Laser list |
| 2.0 Physical | |
| | Lasers have an on/off switch on the surface controller |
| | Laser powered through the MATE surface power supply |
| | No batteries in the ROV powering the laser. |
| | Visible Laser in 630-680 nm (red) or near 532 nm (green) |
| | Class I, Class II, or Class IIIa Category |
| | Red Laser: 5mW or less |
| | Green Laser: 1.5 mW or less |
| | Laser voltage at or below laser rated voltage |
| | Explorer Class: Notification sheet showing Laser specifications sent to MATE Center 2 weeks prior to their qualification event |
| | Presence of Laser shield or beam stop attachment within 30 cm of laser when out of water |
| | Shield is painted flat black |
| | Laser is not focused or deviates from collimated beam |
| | Team has laser safety glasses for all members at safety inspection |

LASER Safety Inspection Result**If failed, note failed items on the main safety sheet and deduct points as necessary.****LASER Inspection Passed**_____
Signature of competition official**PASSED STAMP:**