

COMPANY NAME: _____

COMPANY NUMBER: _____

2017 MATE ROV COMPETITION

Port Cities of the Future: Commerce, Entertainment, Health and Safety

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: