

# JOB SAFETY ANALYSIS

Safety Information for Underwater Research Robot Company

05/2018



TASK	HAZARDS	CONTROLS
1. Review electrical schematic and be sure all electrical connections are properly placed		Remove any confusion on how electrical system works
2. Set up ROV and test moving parts	a) Hair/clothes can get caught in moving parts b) Bodily harm from accidents on site	a) Proper attire is worn/long hair tied back b) Closed-toed shoes, safety glasses are worn
3. Ensure all ROV parts are secured and properly wired	a) Cause bodily harm on job site b) Can pollute work site with fallen debris	ROV is thoroughly checked over for loose parts and improper wiring before product demo
4. Ensure that ROV has no sharp edges	a) Can cause harm to operators b) Can cause harm to site	ROV is thoroughly checked over for sharp edges before product demonstration begins
5. Ensure tether is secured and a 25 amp fuse is capable and in place	a) loss of tether or ROV b) electrical shortage or withdrawal	ROV's tether is thoroughly looked over to ensure no rips and that a 25 amp fuse is in play
6. Testing all thruster and other moving parts on the ROV	a) can cause injury to inspector	Inspector must be alert to caution tape near moving parts and communicate with operator of ROV at current time
7. Ensure that single point attachment is secure and shows no signs of damage	a) can cause electrical problems b) can be of harm to operators near	Inspector of single point attachment must be sure that it is good condition and is ready for use.

**Other Information:**

[https://www.marinetech.org/files/marine/files/ROV%20Competition/2015%20files/HSE\\_Handbook\\_number\\_3\\_As\\_of\\_11\\_19\\_2013\\_AW.pdf](https://www.marinetech.org/files/marine/files/ROV%20Competition/2015%20files/HSE_Handbook_number_3_As_of_11_19_2013_AW.pdf)

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