# Job Safety Analysis

Safety information for:

**First Flight ROV**  
**First Descent Solutions**

<table>
<thead>
<tr>
<th>Task</th>
<th>Hazards</th>
<th>Risk Control</th>
<th>Person in Charge</th>
</tr>
</thead>
</table>
| **Soldering, Electrical work**    | 1. Burn from the iron  
2. Burn from flying solder  
3. Fume inhalation | 1. Wear light gloves  
2. Eye protection  
3. Fume duct or fan to blow away fumes | Andrew Thomas (Mentor)  
Will Roepcke |
| **Drill press, Chop Saw, band Saw, Dremel, and Sander use** | 1. Debris flying into eye  
2. Abrasions and cuts  
3. Major cuts  
4. Loose clothing or hair getting caught | 1. Eye protection  
2. Light work gloves  
3. Proper knowledge of tool and safety calls  
4. Tie back hair and ensure clothing is not loose | Andrew Thomas  
Jacob Thomas, COO  
Student Spotter  
Shop supervisor (student) |
| **Poolside work** **See addendum** | 1. Slipping and falling  
2. Electrical Hazards  
3. Miscommunication | 1. No running or horseplay  
2. Verify that all electrical components are properly sealed  
3. Use language known by all members; “hands on” and “hands off” | Andrew Thomas  
Jack Voight (Pool and Tether Manager) |
| **All Active Locations**          | 1. Miscommunication  
2. Risk of injuries | For all areas cell phone use is restricted  
For all areas closed toe shoes required  
For all areas there will be no roughhousing  
If you are not working then leave to avoid crowdedness | Andrew Thomas  
Mack McClary  
Jacob Thomas  
All team members |

Contributors: Mack McClary, Jack Voight. April 2018
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8. **Required Training:** Tool safety, Electrical safety, Communication Safety, 

**Required Personal Protective Equipment (PPE):** Safety glasses, light work gloves, appropriate attire


Department: ROV Operations, Mack McClary, CEO

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