Job step description	Potential Hazards	Recommended Control Measures	Responsible Person	Initial
1: Transport all equipment to pool-side.	1.1: Drop of the controller box resulting in damage of equipment and injury	1.1: Ensure at least two team-members carefully transport the box.		
	1.2: Drop of any device from the transport cart	1.2: Before starting the transport, all devices have to be secured against falling off and a team member has to pay attention to possible obstacles on the floor, e.g. cracks.		
2: Connect the cables inside the control station	2.1: Potential injury of a team member by electrical discharge	<b>2.1:</b> Ensure the responsible person is grounded.		
	2.2: Potential damage to cables by uncareful treatment	2.2: Attentively double check if the connection to be made is correct, and in case of any doubt, discuss with a team mate. Do not rush to connect the cables.		
	2.3: Drop of a controller device	2.3: Ensure that the surface of the control station is free and ready to perform the connections.		
	2.4: Potential hazard because of tear open of the controller box	2.4: Check that there is nothing behind the control station and slowly open the case.		
<b>3:</b> Connect the top-side power to the control station	3.1: Incorrect treatment of connecting cables	<b>3.1</b> Avoid strong forces on the tether while connecting it.		

<b>4:</b> Run the safety checklist for any safety risk and the MATE regulations	<b>4.1:</b> Missing of a checkpoint due to miscomunication	<b>4.1:</b> In each communication, tell the information twice to ensure correctness.	
	<b>4.2:</b> Injury of a team member in case that a connection is not properly revised.	<b>4.2:</b> Before checking, ensure that all insulation is proper and no cable is damaged.	
5: Initialize the entire system	<b>5.1:</b> Damage of the T200 Thrusters because of driving fast in air.	<b>5.1:</b> Ensure that the controller software is only started once the thrusters are in water.	
	<b>5.2:</b> Damage of the grabber in case it opens unexpectedly	<b>5.2:</b> Unity is only allowed to be started once the ROV system is in water	
	<b>5.3:</b> Injury due to unproper handling of the Micro-Rov thrusters	<b>5.3:</b> Ensure the controller software is only started once the ROV systems is in water.	
<b>6:</b> Transport the ROV, the Micro-ROV and the tether to the poolside.	<b>6.1:</b> Damage to the carbon electronics enclosure if dropped by unproper holding.	<b>6.1:</b> The ROV system including the Micro-ROV is only allowed to be carried by at 3 team members, two of which hold the ROV and one the Micro-ROV.	
	<b>6.2:</b> Damage to the carbon electronics enclosure if dropped because of the tether unexpectedly getting caught somewhere.	<b>6.2:</b> The ROV system is only allowed to be carried if the tether is properly disconnected before transport and connected afterwards respecting the safety regulations.	
7: Introduction of the Micro-ROV into the ROV garage	7.1: Damage to the fibre-optic cable	<b>7.1:</b> Pay special attention winding the cable correctly. Do not apply strong forces on it.	

	<b>7.2:</b> Braking off of the Micro-ROV thrusters	7.2: The team member introducing the Micro-ROV has to insert it in the most central point, which is predefined.	
8: Lower the ROV system to the water	<b>8.1:</b> Impairement of the ROV tether because of unexpected strong forces applied to it	<b>8.1:</b> Ensure enough cable is provided by the corresponding team member.	
	<b>8.2:</b> Damage of the thruster arms by lowering the ROV system too close to the pool-side	<b>8.2:</b> The ROV system is only allowed to be lowered if the closest point of it has a the predifined minimal distance.	