

The **LEVIATHAN** Facility

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CONDITIONS PRECEDENT - ROVS

In addition to those in the policy wording the following are also conditions precedent to the policy:

1. The declared equipment shall only be operated by and under the supervision of suitably trained and authorised personnel. The competence of such personnel should be clearly defined by the operator and should undertake to meet the following criteria, (as attached).
2. Vehicles should not be operated in poor through water visibility (less than 3m) unless scanning Sonar with a range of not less than 25m is in use.
3. ROV pilots should not spend more than eight hours at the vehicle controls in any twenty-four hour period. In addition the pilot should not spend more than three hours at any one time at the controls.
4. In respect of launch and recovery over the side using an A frame, the vessel deck plan, which may be requested by underwriters, should ensure that adequate space has been allocated for the launch and recovery of the insured equipment. Special attention should be paid to the positioning of the vehicle and launch system when mobilising on a vessel employing dynamic positioning or a vessel with a multi-thrusters capability. If it is necessary to site vehicles in such areas a procedure should be put in place requiring the thrusters to be isolated during launch and recoveries. A record of thrusters isolated should be kept in the dive log.
5. Prior to any dive DP operators and ROV crews should be briefed on the imminent operation. Any change in previously agreed procedure should also be discussed at this point. Direct communications between the vessel bridge/DP operators, ROV pilot and ROV deck operation should exist throughout the dive, including the periods of launch and recovery.
6. Vehicles are to be fitted with an acoustic beacon and the support vessel fitted with a compatible acoustic sensing system when the vehicle is negatively or neutrally buoyant. A flashing light with no daylight sensor cut off is to fitted to the vehicle if it is positively buoyant.
7. All mother vessels are to Classed and to be in Class for DP and ROV operations. Deck officers are to be qualified in accordance with both Flag State and Class regulations.
8. Underwater vehicles shall not be launched or recovered when weather conditions exceed sea state six.

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Training and Experience Criteria for ROV Pilots:

1. ROV SUPERVISOR. Should have extensive experience of the offshore environment, having at least two years experience within ROV operations. He/she should have the knowledge required to be responsible for the safety of the team and equipment, be responsible for the effective handling of emergency situations. He/she should also be capable of preparing formal procedures and managing mobilisation/demobilisation activities. As well as having experience of piloting the vehicles in a broad range of operational circumstances the ROV supervisor should also be familiar with the specific type or model of underwritten vehicle.

2. ROV PILOT. Should have at least one years experience within ROV operations, preferably within the class of vehicle to be operated. He/she should be familiar with, and capable of safe operation of the launch and recovery system, be familiar with the communications and navigation systems employed by the operator for vehicle tracking and positioning and be capable of piloting the vehicle in a broad range of operational circumstances.

3. ROV TRAINEE PILOT. He/she would be expected to have the relevant technical and operation competences to work well within the ROV team. He/she will have demonstrated an understanding of offshore safety procedure and have familiarised themselves with the communications and positioning systems employed by the vehicle operator. The trainee should also be part of an acceptable competence scheme.

4. AGENCY PERSONNEL. He/she will have a documented history of experience within the ROV field, and should have experience with vehicles the same as, or similar to that being operated on the specific contract where such equipment is to be underwritten.