

SAROV MARINE CC

SOUTH AFRICAN REMOTELY OPERATED VEHICLES

PO BOX 2723, 4 STRAND STREET, PORT ALFRED, EASTERN CAPE, SOUTH AFRICA, 6170

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CORE QUALIFICATIONS / TRAINING OUTLINE

1.	Introduction Visually explain the training facility, ROV and other associated equipment positioning, location of spares, Company documents, safety documents and other basic set up procedure. Familiarise Candidates with contents on training flash drive provided as part of the training theory material.
2.	Safety procedures Carry out site induction, referring to safety areas, the use, and correct applications for PPE, again explaining safety procedures, discussing what can be expected on vessel/platform installations/operations Teaching ROV Pilot Trainees about electrical and hydraulic safety by means of LOTTO (Lock Out Tag Out)
3.	Cover all paperwork Referring to the contents on the training flash drive, review the training competence assessment manuals to be completed by each Candidate.
4.	Cover radio procedures Familiarise Candidates with correct radio procedure utilised by SAROV MARINE CC in conjunction with industry standards
5.	Familiarization ROV and associated equipment Candidates are introduced to our MOJAVE 036 ROV system, communication protocols in terms of ROV system and how the ROV tether is made up to allow communication to the SCU and from the SCU to the monitors. The functions on the hand controller is explained and Candidates are advised to familiarise themselves with being able to work the hand controller without visual reference to this hand controller in order to be able to pilot the ROV without distraction.
6.	ROV power up procedures Explain the correct and safe procedure (radio procedure) involved in powering up the ROV system and to link the associated equipment correctly and safely (DVR, cameras, monitors, USBL, software etc)
7.	Launch and Recovery procedures LAUNCH Pre-Dive checks before powering up the ROV System With safe radio procedures, power up the ROV System Continue with Pre-Dive checks per SAROV MARINE CC format Proceed with safe launching of ROV System (radio communications in process) Once the ROV System has been submerged, turn on thruster demand and check controllability by working through all directions of the thruster controls By keeping good radio communications with the personnel outside checking the ROV, hereby also keeping the area for Pre-Dive checks clear as to eliminate potentials for accidents with a live ROV system being checked on deck, unlatch ROV System and communicate to the ROV Pilot Trainee that he is free to pilot. TETHER MANAGEMENT The correct procedure for tether management is explained and carried out RECOVERY On recovery of ROV System, USBL system is utilised to as a home reference ROV is then recovered by use of the latch lock (thruster demand must be off) Post Dive checks before final recovery, wash down ROV system with fresh rainwater ROV System safely recovered Preventative Maintenance Complete required paperwork for Company record keeping

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8.	Piloting of ROV System Familiarisation and effects of controls With the ROV System submerged in the water, introduce the following equipment: a. Trittech Super Seaking sonar b. USBL micronav system c. Cameras d. Introduce Hydrolek Manipulator
9.	ROV Training Exercises a. Utilisation of sonar system to find target (2 litre bottle) and mark b. Recover target using the manipulator c. Utilisation of sonar system to firstly locate the target (chain) and then carry chain inspection. This exercise is to familiarise the Candidate to undertake chain inspections offshore d. Carry out GVI and CVI covered in Item below. e. Precision exercises by means of recovering golf ball with manipulator and placing same golf ball on dedicated area, thereby honing skills for accuracy. The idea is similar to placing a CP probe.
10.	Simulated Emergencies a. Activating emergency stop on SCU. This is to test the Candidate's fault-finding capability b. During piloting exercises, turn off sonar system. This is to determine Candidate's ability to first discuss the problem encountered as a team, then to determine a workable solution to ensure safe recovery of ROV System, once ROV System is safely recovered, continue with fault finding. c. Turn of camera system to test the Candidate's ability to use the sonar system and USBL.
11.	Hour building