

Submit Form



This is to Certify that

Jacques Cousteau

Has satisfactorily completed the following Subnet Services Ltd. Course

ROV04 COMMERCIAL OILFIELD ROV PILOT TECHNICIAN

The Course content is in line with guidance documents IMCA R002, IMCA R010, IMCA C005 – R04 and S/N R04

Cert Number: 10060700001/RO4/01

Date of Issue: 10th September 2010

GORDON SHERRY
CEO/President
Subnet Services Ltd.



See back of Certificate for details:

The certificate is proof of training on ROV04 Commercial Oilfield ROV Pilot Technician that includes training on all IMCA R04 competencies for the IMCA position of ROV Pilot Technician Grade 2.

Course content of ROV04 Commercial Oilfield ROV Pilot Technicians Premium as follows.

R1002 - ROV Familiarisation Basic Introductory

Modules	<ul style="list-style-type: none"> Changes Issues and Standards Knowledge of Company Accident Reporting Offshore Hazard Identification PPE and Safety Awareness Risk Assessment Physical Hazards Safe Working Practices Safe Workshop Practice Offshore Job Description 	<ul style="list-style-type: none"> Subsea Equipment Typical Offshore Operations and Installations Typical Offshore Vessels ROV Handling Systems ROV History Development & Limitations ROV Tooling and Sensor Fits Typical Operations ROV Lifting Equipment Maintenance Testing and Operation ROV Crew Job Titles Qualifications and Competence
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R010 - Basic ROV Pilot Technician

High Voltage Electricity	<ul style="list-style-type: none"> Introduction to HV systems Safety Certification Standard labelling/certification Codes of practice and certificates 	<ul style="list-style-type: none"> Description of system components Repair/maintenance Use of test equipment Fault finding techniques Planned maintenance procedures
Electricity in Hazardous Areas	<ul style="list-style-type: none"> Hazardous area classification Safety Certification/Labelling 	<ul style="list-style-type: none"> Environment Flammable gases and vapours Flameproof inspection and maintenance
Crane Operations, Lifting and Winches	<ul style="list-style-type: none"> Major types of lifting equipment Recertification 	<ul style="list-style-type: none"> Means of slinging Visual awareness of defects Weather limitations
ROV LARS	<ul style="list-style-type: none"> Cranes and 'A' frames Installation Use of operations/safety Inspection Function of testing Load certification 	<ul style="list-style-type: none"> Maintenance/repair Lift wire inspection/maintenance/replacement Umbilical winch Types (lifting winch) Inspection (winch and umbilical) Load testing (armoured umbilicals) Tether management systems
Rigging and Slinging	<ul style="list-style-type: none"> Lifting equipment selection Examination and testing Marking lifting equipment 	<ul style="list-style-type: none"> Safe working load Shackles Webbing slings Correct use of slings and lifting equipment
Hydraulic Systems	<ul style="list-style-type: none"> Safety Certification Description of system components – types/use and operation of: Associated electrical circuitry 	<ul style="list-style-type: none"> Repair/maintenance Use of test equipment Basic fault finding techniques Basic circuit diagram representation
Health, Safety & Environmental Awareness	<ul style="list-style-type: none"> Safety/risk management Health and safety 	<ul style="list-style-type: none"> Environmental awareness Relevant legislation
Manual Handling	<ul style="list-style-type: none"> What is manual handling? 	<ul style="list-style-type: none"> Safe lifting techniques

R04 - ROV Pilot Technician Grade 2 – IMCA R04 Competency Training

Safety R/R04/000/0101	<ul style="list-style-type: none"> Awareness of legislation Awareness of company safety Knowledge of own role and responsibilities Basic understanding of regulations Understanding of Company Safety Management System Identification of different areas in the workplace and the risks associated with each 	<ul style="list-style-type: none"> Locate all relevant health, safety and quality procedures at the worksite Participate in an offshore safety induction Follow safety instructions and use correct appropriate safety equipment for all deck and worksite operations
Emergency Response R/R04/000/0202	<ul style="list-style-type: none"> Knowledge of emergency procedures Knowledge of the ROV team members' role and responsibilities Ability to describe own role in emergency situations and that of colleagues 	<ul style="list-style-type: none"> Read and demonstrate an understanding of Company Emergency Procedure documents and where to find them Raise Alarm and to alert to others
Communication and Personnel skills R/R04/000/0303	<ul style="list-style-type: none"> Knowledge and understanding of English permitting good oral and written communication Recognition of personal limitations and requests assistance from others when necessary without undue disruption and willing to offer assistance when needed 	<ul style="list-style-type: none"> Establish and maintain good working relationships with immediate team members Use of clear, concise and correct verbal communications with supervisor Work as part of the team and assist others Communicate with other team members
Piloting an ROV (piloting/technical) R/R04/000/404	<ul style="list-style-type: none"> Describe the function of standard ROV controls and their use in navigating the ROV Understanding of the use of Sonar Awareness of changes in ranges/scales Understanding of use of acoustic positioning systems used by ROV's 	<ul style="list-style-type: none"> Navigating an ROV to work site in normal environmental conditions Familiarity with ROV controls Utilise navigational aids in order to direct and assist in piloting ROV
ROV Systems R/R04/000/505	<ul style="list-style-type: none"> Testing, maintenance and operation of ROV system under supervision Understanding of power up/power down safety sequence 	<ul style="list-style-type: none"> Assist with the completion of pre-dive checks of an ROV Assist with the launch of an ROV in normal environmental conditions Assist with completion of post dive checks of an ROV Identify all the main components of the ROV system and describe their functions, e.g. winch, A-frame/crane, topside control components. Assemble tools needed in change out including personal protective equipment
Preventative maintenance R/R04/000/606	<ul style="list-style-type: none"> Awareness of requirements Assistance of colleagues when required with planned maintenance 	<ul style="list-style-type: none"> Describe why and when planned maintenance is needed Assist in preparing work area Determine what system isolations are required at the work area Determine relevant tools for work to be undertaken, under supervision
Safe operating techniques R/R04/000/707	<ul style="list-style-type: none"> Understanding of safety and environmental requirements during launch and recovery and deck operations 	<ul style="list-style-type: none"> Describe correct/safe operation of launching system Describe roles of ROV team members during launch and recovery operations Describe environmental effect of and limitations to launch and recovery operations
Administration R/R04/000/0909	<ul style="list-style-type: none"> Understand importance of documentation and logs Knowledge of company QA and associated procedures 	<ul style="list-style-type: none"> Record ROV dive information onto dive logs Able to complete dive records - video, audio and written Record video information on to video tape in the required format Audio dub video material in real time utilising correct terminology and specified procedures
Project activities R/R04/000/1111	<ul style="list-style-type: none"> Understanding of project equipment operation procedures 	<ul style="list-style-type: none"> Familiarisation Project Planning ROV dive planning

SNR04 - SubNet Hydraulics, Electrical & HV Safety

High Voltage and High Voltage Safety for ROV Pilot Technicians SN/R04/001	<ul style="list-style-type: none"> Knowledge of electrical principles Knowledge of electrical safety Knowledge of various electrical test equipment like multimeter, meggaohmmeters Knowledge of ROV electrical systems like power supply, lighting, thrusters Knowledge of ROV cables Knowledge of electric motor thrusters 	<ul style="list-style-type: none"> Ability to identify all electrical components in a typical ROV system and describe their functions. Ability to safely test cables for faults and test after change out Ability to read electrical schematics Ability to perform electrical isolation using safety procedures Ability to test electrical components and replace them Ability to wire electric circuits
Hydraulics for ROV Pilot Technicians SN/R04/002	<ul style="list-style-type: none"> Knowledge of basic hydraulic principles Knowledge of hydraulic systems, symbols, and drawings Knowledge of hydraulic parts like pumps, valves, filters, compensators, etc. Knowledge of hydraulic oils 	<ul style="list-style-type: none"> Ability to identify all components on a typical ROV hydraulic system and describe their function Ability to perform maintenance activities like replacing oil, filters, top-up, etc. Ability to interpret hydraulic diagrams Ability to identify faulty valves by testing its mechanisms, seals and/or solenoids. Ability to properly dispose of oils, rags, pads, granules in an environmentally acceptable manner Ability to reassemble valves and refit in original location Ability to inspect and change hydraulic pumps if necessary

SNR1005 - Electronics for ROV Pilot Technicians

Electronics for ROV Pilot Technicians SN/R04/000	<ul style="list-style-type: none"> Knowledge of basic electronic principles Knowledge of ROV electronics systems layout Knowledge of use of electronic measuring instruments like multimeters, oscilloscopes, signal generators, etc. Knowledge of and familiarity with thruster controls, video systems, lighting systems, navigation systems, etc. 	<ul style="list-style-type: none"> Ability to identify all electronic components in a typical ROV and describe their functions Ability to read electronic schematics Ability to solder Ability to test electronic boards and replace them
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TEL2001 - CFOT - Certified Fiber Optics Technician

CFOT - Certified Fiber Optics Technician TEL2001	<ul style="list-style-type: none"> Knowledge of fibre optic principles Knowledge of use of fibre optic splicing equipment and OTDR 	<ul style="list-style-type: none"> Ability to test fibre optic cables for faults Ability to isolate the fibre optic cable from the umbilical Ability to prepare, splice and terminate fibre optic cables Fusion Splicing
Examination and CFOT Certification		

