



DIVER MEDIC TECHNICIAN COURSE IMCA STANDARDS

1. AIM:

Train to obtain the Diver Medic Certificate (DMT) with qualification to work offshore (and inland/inshore according local regulations). Reference IMCA Standards

2. LEVEL REQUIREMENTS :

The student must hold an offshore qualification in diving. This can be an LST, diving supervisor, or diver qualification recognised by IMCA (which is at an offshore grade)

The student must hold a valid diving medical as suitable to go under pressure in a chamber.

3. COURSE CONTENTS : Duration : 10 full days – Number of trainees : 8 to 12 – English language of training.

Training staff

1 Hyperbaric Medical Doctor – 1 Hyperbaric Nurse – 1 DMT Instructor.

Course Syllabus

- **Theoretical teaching**

The causes, prevention, signs and symptoms, and the management under normal and hyperbaric conditions of: Bleeding, Fractures, sprains and muscle trauma, Shock, Burns, Electric shock, Asphyxia, pulmonary oedema, Respiratory arrest, Cardiac arrest, Convulsions, Hypothermia, Hyperthermia.

The structure and function of the following systems : The musculo-skeletal system, The nervous system, The heart, blood vessels, circulation and blood, The lungs, The ears, sinuses and vestibular organs.

The importance of personal hygiene in the management of injuries;

Methods of caring for a casualty on site and during transportation;

The administration of oxygen. ;

The causes, effects, symptoms, prevention and management of the following conditions; Decompression illness including pulmonary barotrauma and gas embolism, Squeeze, Ear problems – infections, barotrauma, routine hygiene in saturation environments, Injuries to skin and eyes, Near drowning, secondary drowning, vomiting under water, Carbon dioxide retention and poisoning, Carbon monoxide poisoning, Other breathing gas contaminants, Oxygen toxicity, Anoxia and hypoxia, Nitrogen narcosis, Underwater blast injury, High pressure nervous syndrome (HPNS), Diving accidents, Thermal stress; hypothermia, hyperthermia, Dental problems, Dangerous marine animals ;

The first-aid equipment available at the site of a diving operation and its care and use, The management of medical emergencies within a diving bell; Methods of care for a casualty when transferring from the diving bell to the main chamber; Medical record keeping (including confidentiality) and liaison with medical services/communication with medical personnel, including the use of a suitable aide-memoir for recording and transmitting medical data;

Use of medical equipment to be held at the site of an offshore diving operation, including the management of common minor illnesses ;

- **Practical teaching**

ACLS, ATLS, Advanced Airway Management, Intravenous infusions, Parenteral administration of drugs, Insertion of pleural drain for pneumothorax, Suturing, Catheterisation.

- **Hospital teaching**

The systematic method of examining injured or ill patients including divers;

Methods for monitoring vital signs such as pulse, respiratory rate, temperature (including use and reading of low-reading thermometer), and blood pressure;

Availability of hospital teaching depends on the time spent at sea with the saturation barge

- **Examination**

Tests of theoretical knowledge and practical skills during entire the course - Competence assessments. Final examination.

4. DELIVERED DOCUMENTS :

Diver Medic Manual,

Diver Medic Technician Certificate Accepted and recognised by IMCA – Validity 3 years

5. REFRESHER COURSE:

Duration - 5 days - Before the end of 3 years validity.