Joining Instructions

Digital BOSIET (with CA-EBS)

Course Aim and Target Group – This program is designed to meet the initial offshore safety and emergency response training requirements for personnel new (or returning) to the offshore oil and gas industry who will be supplied with a compressed air emergency breathing system (CA-EBS) during offshore helicopter travel and who choose to complete the underpinning knowledge of the BOSIET programme via the BOSIET (with CA-EBS) on-line programme prior to attending an OPITO approved training center to be formally assessed against all outcomes.

Accreditation: OPITO

Duration: 1 day

Validation: 4 years

Course Outcomes

Safety Induction – Digital Delivery

The learner will understand:

1. Typical offshore oil and gas activities
2. The main offshore hazards
3. The potential environmental impact of offshore installation operations
4. The principles of managing safety on offshore installations
5. Hazard effects and consequences; their associated risks, and how they are controlled
6. Key offshore installation safety regulations and the basic concept of these regulations
7. Key information and policies to ensure the health, safety and wellbeing of those living and working offshore

Helicopter Safety and Escape CA-EBS – Digital Delivery

The learner will understand:

1. Helicopter Travel
2. Helicopter Emergencies
3. Use of Compressed Air Emergency Breathing System (CA-EBS)

The learner will perform:

4. Use of Compressed Air Emergency Breathing System (CA-EBS)
    1. The pre-donning checks on the life jacket and compressed air EBS, including:
        1. Pressure indicator reading
        2. Appropriate on/off status indicator (if fitted)
        3. Ratchet knob on/off (if fitted)
    2. How to don the life jacket complete with compressed air EBS:
        1. Ensuring life jacket waist belt is not twisted (if fitted)
        2. Fastening of life jacket
        3. Adjustment of waist belt to ensure correct fit
        4. Engagement of crotch strap ensuring a correct fit and roll away and securing of excess webbing (if fitted)

5. Ensure CA-EBS mouthpiece is correctly fitted
6. Ensure CA-EBS hose is correctly fitted (where appropriate)

3. Deployment of CA-EBS, including:
    1. One handed deployment of the mouthpiece and nose clip in accordance with manufacturers' guidelines
    2. How to achieve a good seal around mouthpiece
    3. How to purge water from the mouthpiece
    4. How to recover a dislodged mouthpiece
    5. Use of demand valve

5. Practical Helicopter Escape Techniques
    1. Donning of an aviation transit suit, an aviation lifejacket, compressed air emergency breathing system (CA-EBS) equipment and conducting integrity checks of the CAEBS equipment, including buddy checks
    2. Deploying (left and right hand) and breathing from CA-EBS equipment at atmospheric pressure in dry conditions
    3. Actions to take in preparing for a helicopter emergency landing
    4. Following instruction from the crew, location of CA-EBS equipment and evacuation from a helicopter using a nominated exit, following a controlled emergency descent to a dry landing (conducted in helicopter simulator at poolside on dry land)
    5. Actions to be taken in preparing for an in-water ditching including location of exit, deploying and breathing from CAEBS equipment at atmospheric pressure in dry conditions (conducted in helicopter simulator at poolside on dry land)
    6. Dry evacuation, using a nominated exit, to an aviation life raft from a helicopter ditched on water (and, on instructions from the aircrew, operation of a push out window), assisting others where possible and carrying out initial actions on boarding the aviation life raft, to include: mooring lines, deploying the sea anchor, raising the canopy and raft maintenance
    7. Escaping through a window opening which is underwater, from a partially submerged helicopter (without operation of a push out window)
    8. Escaping through a window opening which is underwater, from a partially submerged helicopter (with operation of a push out window)
    9. Escaping through a window opening which is underwater, from a capsized helicopter (without operation of a push out window)
    10. Inflation of an aviation lifejacket, deployment of a spray visor and boarding of an aviation life raft from the water
6. Additional CA-EBS Training (In-Water)
    1. Deploying CA-EBS (above the water surface) and breathing from the CA-EBS in a pool, face down in shallow water (at a maximum depth of 0.7m, measured at the chest)

2. Deploying CA-EBS (below the water surface, face down in a pool in shallow water) and clearing the mouthpiece by exhaling under the water surface (at a maximum depth of 0.7m, measured at the chest)
3. Deploying CA-EBS (below the water surface, face down in a pool in shallow water, using opposite hand to previous exercise) and clearing with purge button under the water surface (at a maximum depth of 0.7m, measured at the chest)
4. Deploying CA-EBS (above water surface), in a pool and breathing from CA-EBS underwater in a vertical position (at a maximum depth of 0.7m, measured at the chest)
5. Deploying CA-EBS (underwater), in a pool and breathing from CA-EBS underwater in a vertical position (at a maximum depth of 0.7m, measured at the chest)
6. Deploying CA-EBS (underwater), in a pool, breathing from CA-EBS underwater, and moving along a horizontal rail for a period of no less than 30 seconds, including a change in direction (at a maximum depth of 0.7m, measured at the chest)

Sea Survival and First Aid – Digital Delivery

The learner will understand:

1. Evacuation Methods and Procedures
2. Emergency First Aid

The learner will perform:

3. Muster and actions upon boarding a survival craft (TEMPSC)
    1. Mustering, donning a life jacket, boarding and strapping in as a TEMPSC passenger (the craft then to be lowered into water and released)
4. Sea Survival and emergency In-water actions
    1. Water entry (stepping off poolside, maximum 1m height) and the precautions when entering the water
    2. The fitting of a helicopter rescue device, subsequent lifting and (simulated) entry into a rescue helicopter including:
        1. Single strop
        2. Body posture
        3. Aircraft entry
    3. In-water survival techniques, to include: individual (swimming, HELP, wave slap protection) and group survival techniques (towing, chain, huddle and circle), followed by rescue by one of the recognized methods available offshore.
    4. Boarding a marine life raft from the water and carrying out initial actions, to include mooring lines, deploying the sea anchor, raft maintenance and secondary actions, to include posting lookouts, activating the radio beacons and first aid equipment
5. Immediate First Aid Actions
    1. Raising the alarm
    2. Assessing the situation

3. Checking area is safe
4. Industry recognized first aid practice.

Fire Fighting and Self Rescue – Digital Delivery

The learner will understand:

1. Common causes of offshore fires and actions to be taken
2. Self-rescue equipment and techniques

The learner will perform:

3. Raising the alarm and operation of hand-held extinguishers
    1. Raising the alarm on discovery of a fire
    2. Correct operation of handheld portable fire extinguishers in extinguishing Class A or Class B fires.
4. Self-Rescue Techniques
    1. Donning and use of smoke hood
    2. Self-rescue techniques with a smoke hood or partial blindfold from areas where learner visibility is reduced
    3. Self-rescue techniques with a smoke hood or partial blindfold from areas where learner visibility is completely obscured
    4. Small group escape techniques with a smoke hood or partial blindfold from areas where learner visibility is completely obscured concluding with a muster exercise

Physical / Health Demands:

Emergency response training contains physically demanding and potentially stressful elements. All personnel who participate in such training must be medically fit and capable of participating fully. All personnel will be required to complete a self-declaration of fitness form prior to commencement of practical.

Start / Finish Times:

Training courses will begin at 7:30 am and should conclude between 4:30 and 5:30 pm; it is recommended that learners arrive at 7:00 am.

Equipment Requirements:

Learners are expected to provide the following items during training:

- Government Issued Photo Identification – **Required**
- Towel
- Swimwear
- Appropriate clothing for all practical sessions
    - Open toe shoes, shorts, and sleeveless shirts are prohibited
- Safety-Toe footwear for practical sessions

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Meals / Refreshments:

Learners will be provided with a 1-hour lunch break with meals provided at client's expense. Coffee and water will be available free of charge. Periodic breaks will be offered to learners during training.

Course Delivery and Special Needs:

All course materials, assessments, and documentation will be conducted in American English language only. Learners with any special needs should contact us in advance to ensure that these requirements are met.

Assessments:

Learners are assessed against industry agreed competency standards in order to demonstrate that they have achieved an understanding of the information and concepts detailed in each of the Unit Outcomes. This may be achieved through a variety of methods, including but not limited to: group or individual discussion, verbal or written questioning, scenarios, virtual simulation, and eLearning. Should learners fail to meet these standards, our staff shall provide additional coaching to provide the learner with additional opportunities to meet the requirements.

Digital Delivery: Learners must complete all online elements contained in the BOSIET Digital Delivery program prior to attending M&A Safety Services to be formally assessed against all outcomes.

Certification:

Successful learners shall receive a Certificate and Identification Card with a copy of the certificate sent to the employer. The learner's successful completion will also be recorded in a central training register maintained by OPITO.

About OPITO:

OPITO is the global, not-for-profit, skills body for the energy industry. For over three decades the company has ensured safety is at the forefront of operations, with more than 375,000 people trained every year.

Links:

https://opito.com/