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COURSE

DIGITAL BOSIET WITH COMPRESSED AIR EMERGENCY BREATHING SYSTEM (CA-EBS)

ACCREDITATION



OPITO APPROVED
Code: 5752

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COURSE AIM

The aim of the BOSIET (with CA-EBS) is to introduce delegates to the specific safety issues and regimes relevant to offshore installations, and to equip them with the basic emergency response knowledge and skills for travelling to and from offshore installations by helicopter.

OBJECTIVES

The objectives of the BOSIET (with CA-EBS) Training are that delegates will be able to:

- 1) Identify the generic hazards which are specific to offshore oil and gas installations, potential risks associated with those hazards, and how controls are put in place to eliminate or reduce risks.
- 2) Identify key offshore related safety regulations and explain the basic safety management concepts
- 3) Demonstrate, in a simulated environment, that they can use the safety equipment, and follow procedures in preparing for, and during helicopter emergencies - with particular focus on escaping from a helicopter following ditching
- 4) Ensure delegates are familiar with the use of the Compressed Air Emergency Breathing System (CA-EBS)
- 5) Demonstrate sea survival and first aid techniques
- 6) Demonstrate that they can effectively use basic firefighting equipment, and practice self-rescue techniques in low visibility situations, to include smoke filled areas.

Pre-requisites for the Digital Delivery of BOSIET (with CA-EBS)

Delegates must complete all online elements contained in the BOSIET (with CA-EBS) online programme prior to attending an OPITO-approved training centre to be formally assessed against all learning outcomes.

All delegate must either:

- 1) Possess a valid, current offshore medical certificate or
- 2) Possess an operator approved medical certificate, or
- 3) Undergoes medical screening by completing an appropriate medical screening form provided by the OPITO-approved centre

Delegate Performance Assessment

There is no formal assessment of learning outcomes via the BOSIET (with CA-EBS) On-Line Programme.

Delegates must attend an approved training centre for formal assessment of all learning outcomes within 90 days of completing the online elements

Mode Of Digital Delivery for BOSIET (with CA-EBS)

- **Language** : The Digital BOSIET is currently only available in English
- **Combined** delivery for Digital BOSIET EBS, Digital BOSIET CA-EBS & T-BOSIET is not available
- **The program starts with an introduction video, followed by following modules:**
 - Module 1 – Safety Induction (Approximately 180mins)
 - Module 2 – Helicopter safety and escape (Approximately 120mins)
 - Module 3 – Sea survival and first aid (Approximately 160mins)
 - Module 4 – Firefighting and self-rescue (Approximately 70mins)
- The modules can be taken in any order
- Total duration to complete the above will depend on the learner, however, in general it will take around the same time or less than if it was delivered in a classroom by an instructor
- Learners may access the portal from any web enabled device, including mobile and tablets
- Once a learner is registered for the online Digital BOSIET, they will be able to access the content of the course at any point. There is currently no time limit on this access, but it is advised to complete the online training within 7 days prior to the booked practical assessment date

Learning Outcomes of the Digital Delivery of BOSIET (with CA-EBS)

The Learning Outcomes of the Digital Delivery of BOSIET (with CA-EBS) are identical to those contained in the BOSIET (with CA-EBS) Standard.

Delegates will complete the underpinning knowledge for all learning outcomes via completion of the online BOSIET (with CA-EBS) Programme prior to attending an OPITO-approved training centre to complete formal assessment against all learning outcomes.

The learning outcomes are specified for each of the following modules; they are:

MODULE 1 Learning Outcomes Safety Induction

To successfully complete this module, delegates must be able to:

- 1) Identify the main offshore hazards and hazard effects/consequences; explain their associated risks, and how they are controlled.
- 2) Explain the potential environmental impact of offshore installation operations.
- 3) Identify key offshore installation safety regulations and explain the basic concept of these regulations.
- 4) Explain the principles of managing safety on offshore installations.
- 5) State the procedure for prescribed medicines offshore.
- 6) Explain the concept of alcohol and substance abuse policy.
- 7) Explain PPE requirements of working on an offshore installation.
- 8) Explain how to report incidents, accidents and near misses on an offshore installation.
- 9) Explain the role of the Offshore Medic.



LEARNING OUTCOME

MODULE 2 Learning Outcomes Helicopter Safety and Escape

To successfully complete this training, delegates must be able to demonstrate:

- 1) Donning of an aviation transit suit, aviation lifejacket, compressed air emergency breathing system (CA-EBS) equipment and conducting integrity checks of the CA-EBS 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 preparation for a helicopter ditching and an 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 CA-EBS 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 (including the 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) Inflating an aviation lifejacket and deploying of a spray visor and boarding of an aviation life raft from the water*

Additional MODULE 2 Learning Outcomes (specific to Element 1.3)

To successfully complete this training, delegates must be able to demonstrate:

- 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)

LEARNING OUTCOME

MODULE 3 Learning Outcomes Sea Survival

To successfully complete this module, delegates must be able to demonstrate:

- 1) Donning of a permanent buoyancy lifejacket prior to use in an emergency, including checking airways, breathing and industry recognized first aid practice**The correct actions when mustering and boarding a survival craft (TEMPSC) as a passenger during launching operations.
- 2) Fitting of a helicopter rescue device and correct body posture during winching.
- 3) Water entry (stepping off poolside, maximum height 1 meter) and the precautions to be taken when entering the water
- 4) Individual and group sea survival techniques, to include swimming, getting into Heat Escape Lessening Position (HELP), wave-slap protection, towing, chain, huddle and circle.
- 5) Boarding a marine liferaft from the water.
- 6) *Immediate first aid actions

MODULE 4 Learning Outcomes Firefighting and Self Rescue

To successfully complete this module, delegates must be able to demonstrate:

- 1) Correct use of handheld portable fire extinguishers and which ones to use for different classes of fires.
- 2) Self-rescue techniques with a smoke hood or partial blindfold from areas where delegate visibility is reduced.
- 3) Self-rescue techniques with a smoke hood or partial blindfold from areas where delegate visibility is completely obscured.
- 4) Small group escape techniques with a smoke hood or partial blindfold from areas where delegate visibility is completely obscured.

TARGET GROUP

This training programme 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.

DURATION

1 Day (Maximum 8 Delegates) Assessment

CERTIFICATE VALIDITY

4 years.

