

A.5 Learning outcomes of the BOSIET (with EBS)

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.

MODULE 2 Learning Outcomes**Helicopter Safety and Escape**

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

- (1) Donning an aviation transit suit, aviation lifejacket and emergency breathing system equipment (EBS)¹ and conducting EBS integrity checks.
- (2) Actions to take in preparation for a helicopter ditching and an emergency landing.
- (3) Actions following a controlled emergency descent to a dry landing with evacuation via a nominated exit.
- (4) Deployment, operation and breathing from EBS in a pool utilising personal air prior to HUET exercises (delegate to experience positive and negative pressure created by the body orientation in water).
- (5) Actions following a controlled ditching on water (including deploying EBS and, on instruction from aircrew, operation of a push out window) and evacuate through a nominated exit to an aviation liferaft.
- (6) Assist others where possible in carrying out **initial** actions on boarding the aviation liferaft, 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 deploying EBS or operation of a push out window).
- (8) Escaping through a window opening which is underwater, from a partially submerged helicopter (deploying, operating and breathing from EBS equipment but without operation of a push out window).
- (9) Escaping through a window opening which is underwater, from a partially submerged helicopter (deploying, operating and breathing from EBS equipment and operation of a push out window).
- (10) Escaping through a window opening which is underwater, from a capsized helicopter (without deployment of EBS or operation of a push out window).
- (11) Escaping through a window opening which is underwater, from a capsized helicopter (*deploying and operating EBS on the surface prior to capsizes but without operation of a push out window).
- (12) Escaping through a window opening which is underwater, from a capsized helicopter (*deploying and operating EBS on the surface prior to capsizes and the operation of a push out window).
- (13) Inflating an aviation lifejacket and deploying a spray visor in water
- (14) Boarding an aviation liferaft from water.

*All delegates must deploy and operate the EBS and must be encouraged to breathe from the EBS throughout the capsizes exercises.

Note¹: Some manufacturers have integrated the EBS equipment into the life jacket or transit suit.

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

*Immediate first aid actions - putting casualty in the recovery position: delegates must get instruction and demonstration **only** from instructors on putting a casualty into the recovery position but do not need to demonstrate this.

** Industry recognised first aid practice – this may vary depending on first aid practice guidelines adopted in different countries/regions.

MODULE 4 Learning Outcomes Firefighting and Self Rescue

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

- (1) Correct use of hand held 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.