

Emergency Breathing Systems Course

This course has been developed for those aircrew, supplemental mission crew and passengers who travel in aircraft over water while carrying an emergency breathing system (EBS) as part of their safety ensemble. The student base includes EMS, SAR, Military and commercial operators.

Vocational Outcomes

To train personnel to operate an emergency breathing system (EBS) safely, in order to assist them to successfully egress a ditched helicopter/aircraft.

Training Objectives	Teaching Points Covered	
Emergency Breathing System Course	<ul style="list-style-type: none"> Describe the EBS ensemble Laws relating to pressure and depth – Boyles, Charles. Pressure considerations Physiology impacts of operating and EBS Characteristics of EBS Before and After Flight checking of the EBS Integration of EBS into the Egress Procedure Improvement Data Practical ditching sequences. 	

Course Outline

Training Objective

LEARNING OUTCOMES

Emergency Breathing System

Learning outcome is to train personnel to operate an emergency breathing system (EBS) safely, in order to assist them to successfully egress a ditched helicopter/aircraft.

Note: Not an AQTF unit of competency. EBS is taught under the RHO Aviation Training Services professional package.

TRAINING VARIABLES

Training method:	Lecture/Practical
Training setting:	Classroom/ Pool
Duration:	Theory - 2 x 40 min/periods = 80 mins Practical – Approx 2.5 hrs depending on number of students.
Trainer/student ratio:	<ul style="list-style-type: none"> Min 1:8 Dive Instructor in location
Reference material:	<ul style="list-style-type: none"> EBS technical manuals Dive Manual
Stores and Equipment:	<ul style="list-style-type: none"> Classroom, computer and screen, whiteboard and markers Qty of EBS bottles – RHO supplied Client specific EBS bottles HeliPET
Pre-requisite Training Objectives:	<ul style="list-style-type: none"> Must either be current in HUET or is conducting a HUET Course in conjunction with EBS.

ASSESSMENT CRITERIA

- Critical Aspects of Evidence:** Attainment of this Training Objective is confirmed if the student can demonstrate the knowledge and operation of an EBS in conjunction with his/her egress procedure.
- Training Objective Assessment:** Students will be observed egressing from the HeliPET during a number of inverted underwater escape sequences using the EBS. A written assessment will also be completed by all students.
- EBS Assessment:** Evidence from training objective assessment will contribute to the final Unit assessment to be conducted during the EBS training serials.

TEACHING POINTS

IAW the reference material detailed above, the following teaching points are covered in detail:

- Describe the EBS
 - Laws relating to pressure and depth – Boyles, Charles.
 - Pressure considerations
 - Physiology impacts of operating an EBS
 - Characteristics of EBS
 - Before and After Flight checking of the EBS
 - Integration of EBS into the Egress Procedure
 - Improvement Data
 - Practical – Breathing compressed air training.
 - Practical – Ditching sequences:
 - Primary and secondary
 - Blackout
- **Note: No flying for at least two hours after EBS training.**
- **All students must have a current AS2299 Occupational Dive Medical prior to conducting the course. (Medicals can be obtained from various GPs qualified in dive medicine. Essentially it is a dive instructor medical).**



Contact RHO Aviation Training Services for the cost of this course in your location.

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