



**Australian Government**

**Assessment Requirements for DEFWDV022  
Dive using closed-circuit breathing  
apparatus (HeO<sub>2</sub>) in open water to a  
maximum depth of 60 metres**

**Release: 1**

# Assessment Requirements for DEFWDV022 Dive using closed-circuit breathing apparatus (HeO<sub>2</sub>) in open water to a maximum depth of 60 metres

## Modification History

Release 1. This is the first release of this unit of competency in the DEF Defence Training Package.

## Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria on at least one occasion and include:

- applying relevant industry standards, and organisational policies and procedures
- conducting closed-circuit breathing apparatus (CCBA) (HeO<sub>2</sub>) dive operations in a range of sub-surface conditions during the day or night according to relevant industry standards
- conducting unconscious companion diver drills in accordance with dive plan
- identifying changes in divers, including distress and illness at depth
- inspecting and preparing CCBA (HeO<sub>2</sub>) equipment
- maintaining records according to organisational policies and procedures
- monitoring CCBA (HeO<sub>2</sub>) equipment and gauges
- operating an HeO<sub>2</sub> compressor or hand-booster pump in accordance with manufacturer specifications.

## Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria and includes knowledge of:

- CCBA (HeO<sub>2</sub>) dive equipment specifications, characteristics and limitations
- CCBA (HeO<sub>2</sub>) maintenance and servicing recording requirements
- dive physics
- dive physiology and medicine, including:
  - compression illnesses
  - decompression illnesses
  - heat and cold illnesses
- diving descent and ascent techniques
- general diving safety awareness, including:
  - diving in harbours
  - diving in tidal waters, currents and tides
  - entrapment/foul lines

- lost/separated
- marine animal threats
- hazards of Heliox
- organisational policies and procedures
- relevant diving safety awareness
- relevant industry standards
- safe operating ranges for gas mixtures
- standby diver responsibilities.

## Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or simulations
- applicable documentation, including legislation, regulations, codes of practice, workplace procedures and operation manuals
- documentation specific to the dive operation, including dive plan and risk assessment
- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry.

## Links

Companion Volume Implementation Guides are found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6bdbab1e-11ed-4bc9-9cba-9e1a55d4e4a9>