



Australian Government

**Assessment Requirements for DEFWDV001
Dive using self-contained underwater
breathing apparatus in open water to 30
metres**

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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 of the requirements of the elements and performance criteria on at least one occasion and include:

- acting as a relay between two callsigns
- applying relevant legislation, and organisational policies and procedures
- communicating verbally by radio and non-verbally through signalling methods
- compiling briefs and clear messages
- complying with assigned callsigns
- conducting decompression stops and requirements
- conducting unplanned decompression procedures arising from the onset of (simulated) compression related problems
- demonstrating situational awareness of position and orientation, equipment (including depth, time and air gauges), and other divers
- implementing emergency surfacing
- managing hazards during dives
- managing medical complications during dives and perceiving these in self and others
- navigating underwater, using a compass only, a complete triangle of side length not less than 30 m (way-points only to be distinguishable within 8 m)
- performing buddy breathing
- switching from primary to reserve air system
- taking necessary corrective action/s and managing a range of individual and group contingencies and/or emergencies.

Knowledge Evidence

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

- decompression calculations
- decompression tables to determine decompression time/s and depth/s for a range of dive profiles
- decompression techniques

- dive equipment
- dive physics
- dive physiology and medicine including:
 - heat and cold illnesses
 - compression illnesses
 - decompression illnesses
- diving descent and ascent techniques
- general diving safety awareness including:
 - diving in harbours
 - diving in tidal waters, currents and tides
 - diving on and/or near a ship's bottom
 - lost/separated
 - entrapment/foul lines
 - marine animal threats
 - pollution/weeds
 - working in confined spaces
- general precautions to be taken against a range of hazards
- handling procedures for nonfunctional items
- line signals
- marine hazards including marine animal threats
- navigation theory
- oceanography
- principles of underwater communication systems and diver intercom systems, and their limitations
- radio frequency hazards
- radio telephone procedures (RTP)
- relevant hand signals
- relevant legislation, industry standards, and organisational policies and procedures
- safe operating ranges for airsupplies
- surfacing procedures including awareness of surface and sub-surface hazards.

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

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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 other simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry
- ocean with a range of oceanic, diurnal and nocturnal environments
- applicable documentation including organisational procedures, decompression tables, regulations, codes of practice and operation manuals.

When practicable, assessment should relate to the diver's vocational focus.

Links

Companion Volume implementation guides are found in VETNet -

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