



Australian Government

**Assessment Requirements for DEFWDV012
Perform underwater beach and waterway
surveys**

Release: 1

Assessment Requirements for DEFWDV012 Perform underwater beach and waterway surveys

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 underwater survey of a beach/waterway (which should include at least two of: bottom gradient, bottom composition, sub surface features marking of obstacles/channels) and include:

- applying relevant legislation, standards and organisational policies and procedures
- applying safe diving principles and relevant risk control measures
- carrying and securing equipment throughout dive
- determining scope of survey task
- developing beach and underwater survey plans
- documenting beach/waterway survey outcomes including:
 - measuring bottom gradient
 - determining bottom composition
 - recording waterway sub-surface features
 - identifying obstacles/channels and waterway hazards
 - making underwater field notes and sketches
- using survey equipment relevant to beach and underwater surveys effectively.

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:

- 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
- oceanography
- relevant legislation, and organisational policies and procedures
- relevant organisational documentation
- relevant references and Australian Standards
- underwater beach/waterway survey techniques including:
 - waterway bottom gradient
 - waterway bottom composition
 - waterway sub-surface features
 - obstacles/channels and waterway hazards
- underwater workplace 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.

As a minimum, assessment must satisfy applicable regulatory requirements, which include requirements in 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 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, 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>