



Australian Government

Assessment Requirements for DEFWDV010 Employ power tools in an underwater environment

Release: 1

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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:

- applying relevant industry standards, and organisational policies and procedures
- operating any four of the following power tools:
 - power wrench, including changing sockets on site, tightening and loosening nuts
 - drill, including drilling a hole in a steel plate and changing bits on site
 - disc cutter, including cutting steel or concrete and changing disc on site
 - jack hammer, including breaking concrete
 - chainsaw, including cutting wooden beams 230 mm x 100 mm
 - angle grinder, including cleaning and smoothing a fillet, chamfering a 12 mm plate and changing disc on site
 - scrubber, including cleaning 2 m² of horizontal and vertical surface
- operating a pneumatic or hydraulic compressor must include one or more of the following:
 - connecting hoses and leads
 - connecting to power supply
 - adjusting output power
 - switching compressor on/off.

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
- power tool equipment, compressor, hoses and leads for the power tools operated:
 - causes and remedies for surging
 - control of output
 - effects of temperature and compression ratio pressure/temperature relationships and effects on condensation (e.g. moisture and/or gas)
 - methods of resolving problems
 - principles of operation
 - physics of operation
- relevant industry standards, and organisational policies and procedures
- relevant workplace hazards
- use of compressor
- use of power tools.

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
- relevant 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>