



Australian Government

DEFWDV039 Support self-contained underwater breathing apparatus (SCUBA) diving operations from the surface

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.

Application

This unit describes the performance outcomes, skills and knowledge required to support self-contained underwater breathing apparatus (SCUBA) diving operations from the surface by acting as a 'lazy shot operator' and diver's attendant in an open water environment.

It includes confirming decompression requirements, preparing and rigging 'lazy shot' and attending to SCUBA diver/s from the surface. The lazy shot operator's purpose is to mark the required decompression depth (through the use of the lazy shot) for ascending divers to service their decompression requirements.

The diver's attendant covers all aspects of assistance given to a diver in preparation for the dive, the conduct of the dive (such as managing and monitoring safety/communications lines) and the post-dive refurbishment of equipment.

This unit was developed for Defence divers but may be applicable to anyone in this field.

This unit relates, in part, to existing standards in the Australian Diver Accreditation Scheme (ADAS).

The skills and knowledge described in this unit must be applied within the legislative, regulatory and policy environment in which they are carried out. Organisational policies, dive plan and procedures must be consulted and adhered to.

Persons undertaking this unit work under supervision and perform specific tasks in a range of contexts that could be unpredictable.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable.

Competency Field

Defence Work Diving.

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

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| 1 Use decompression tables to calculate safe diving profiles | 1.1 Select decompression tables to meet diving operation requirements according to organisational procedures and instructions of dive supervisor |
| | 1.2 Use decompression tables to determine increments, times and rates |
| | 1.3 Calculate decompression obligations using decompression tables |
| | 1.4 Implement corrective actions necessary to compensate for deviation from the decompression schedule |
| 2 Prepare and rig 'lazy shot' | 2.1 Inspect and prepare lazy shot and cordage |
| | 2.2 Set lazy shot and cordage at required depth for decompression stop in accordance with dive plan |
| | 2.3 Adjust lazy shot and cordage requirements to meet planned decompression stops |
| | 2.4 Recover and re-stow lazy shot and cordage |
| 3 Implement decompression procedures | 3.1 Follow decompression procedures in accordance with the dive plan |
| | 3.2 Relay commands from the supervisor to the diver, as required, to ascend to the next stop or the surface |
| | 3.3 Monitor time at stop to ensure compliance with decompression requirements |
| | 3.4 Use procedures for lazy-shot and fixed shot rope correctly during decompression |
| 4 Attend to a SCUBA diver from the surface | 4.1 Assist diver in fitting and inspecting dive equipment prior to undertaking dive |

- 4.2 Assist diver's entry into, and exit from, the water
- 4.3 Ensure equipment is free from leaks prior to the diver leaving surface
- 4.4 Manage diver's safety line throughout the dive
- 4.5 Send, interpret and respond to lifeline signals to communicate with diver in accordance with supervisor instructions
- 4.6 Report diver's condition, position and progress to supervisor as required
- 4.7 Provide navigation assistance as required
- 4.8 Assist diver in the removal, post-dive inspection and stowage of equipment in accordance with industry standards and organisational policies and procedures

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the DEF Defence Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is not equivalent to DEFWDV002 Support SCUBA diving operations from the surface.

Links

Companion Volume Implementation Guides are found on VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6bdbab1e-11ed-4bc9-9cba-9e1a55d4e4a9>