



Australian Government

DEFDV009B Conduct an underwater search of a ship's hull

Release: 2

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Modification History

Release	TP Version	Comments
2	DEF12 V2	Layout adjusted. No changes to content.
1	DEF12 V1	Primary release.

Unit Descriptor

This unit covers the competency required to conduct an exterior search of the underwater component of a ship's hull.

Note: This Unit of Competency relates, in part, to the existing standards of the Australian Diver Accreditation Scheme (ADAS). All information was correct at the time of development of this Unit of Competency; however, any diver seeking ADAS accreditation should consult ADAS and not rely on the information contained in this unit.

Application of the Unit

As agreed in the creation of this Training Package, applications for units transferred from the PUA00 Public Safety Training Package will be developed as part of continuous improvement plans, and taking into account the change in Unit of Competency format as detailed in templates for Streamlined Training Packages.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

DEFDV001B Dive using self contained underwater breathing apparatus in open water to 30 metres.

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a Unit of Competency.

Performance Criteria describe the required performance needed to demonstrate achievement of the element. Where ***bold italicised*** text is used, further information is detailed in the Range Statement. Assessment of performance is to be consistent with the Evidence Guide.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Define the search area	1.1 Search task and <i>worksite data</i> are determined and analysed. 1.2 Search plan is developed consistent with the dive plan. 1.3 <i>Search control devices</i> are prepared and positioned on the hull as required.
2. Demonstrate search techniques	2.1 Manual <i>search methods</i> are applied in poor visibility while guided by fixed search lines. 2.2 Visual search methods are applied in good visibility.
3. Refurbish search site and equipment	3.1 Search control devices are recovered without damaging the vessel. 3.2 Search control devices are disconnected, refurbished and stowed.

Required Skills and Knowledge

This describes the essential skills and knowledge and their level, required for this unit.

Required Skills

- ability to dive
- conduct search procedures
- planning
- search manually

Required Knowledge

- dive equipment
- dive physics
- dive physiology and medicine
- general occupational/diving safety awareness
- marine hazards
- oceanography
- relevant references and Australian Standards
- search techniques

Evidence Guide

Critical aspects for assessment and evidence required to demonstrate competency in this unit

Assessment must confirm the ability to work safely throughout the operation.

Consistency in performance

Competency should be demonstrated during a search to locate an object (such as a mine) that is attached to a ship's hull (and is of a minimum underwater length of 30 m).

The search is to be conducted under poor visibility (max 0.5 m) demanding the use of manual search techniques.

Context of and specific resources for assessment

Context of assessment

Competency should be assessed in the ocean over a range of oceanic, diurnal and nocturnal environments supported by questioning on shore or aboard vessels.

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

Specific resources for assessment

Access to a complete range of diving, safety and accessory equipment; and a ship.

Range Statement

The Range Statement relates to the Unit of Competency as a whole. It allows for different work environments and situations that may affect performance. ***Bold italicised*** wording in the Performance Criteria is detailed below.

<i>Worksite data</i> may include:	• current • depth • gradient • hazards • obstacles
<i>Search control devices</i> may include:	• depth gauge • search-lines • stays/anchorages
<i>Search methods</i> may include:	• individual • pair • search with hand/fingers • search with probing devices such as knives • team: • half necklace • necklace

Unit Sector(s)

Not applicable.