



Australian Government

DEFDV003B Act as a standby diver

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 act as a standby (air) diver in support of diving operations (both from a *platform* and in-water) in an *open water environment*.

The diver will need to prepare and position the required diving equipment, and emergency resources, meet the readiness states as detailed by the dive supervisor, maintain communications with the supervisor throughout the dive, and take rapid steps to resolve incidents, ranging from the resupplying of emergency air reserves, to locating and rescuing injured or unconscious diver/s.

Note: This Unit of Competency covers the Australian Diver Accreditation Scheme (ADAS) occupational grouping of standby diver. 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 of Competency.

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. Prepare for standby diver responsibilities	<p>1.1 <i>Diving equipment</i> is <i>inspected</i> and donned for immediate readiness.</p> <p>1.2 <i>Emergency resources</i> are prepared and positioned.</p> <p>1.3 Dive plan and reaction to <i>incidents</i> are confirmed with dive supervisor and task-readiness is confirmed in the designated <i>medium</i>.</p>
2. Perform standby duties during the dive	<p>2.1 Overall awareness of the dive operation including the status of deployed diver/s is proactively maintained with dive supervisor.</p> <p>2.2 Incidents are responded to immediately.</p> <p>2.3 Deployed diver is located via life-line or float-line.</p> <p>2.4 Emergency air supplies are ferried to submerged divers.</p> <p>2.5 An unconscious diver is recovered from under the water to the surface platform.</p>

Required Skills and Knowledge

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

Required Skills

- assemble equipment
- interpret orders
- swim

Required Knowledge

- dive equipment
- dive physics
- dive physiology and medicine
- general boat awareness and safety
- marine animal threats
- marine hazards
- oceanography

Evidence Guide

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

Assessment must confirm the ability to maintain readiness timings throughout the dive.

Consistency in performance

Competency should be demonstrated over a variety of tasks performing the duties of a standby diver at least twice and locating and recovering an unconscious diver from a depth of 20 m to the surface.

Context of and specific resources for assessment

Context of assessment

Competency should be conducted in the ocean 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 dive platform.

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>Platforms</i> may include:	<ul style="list-style-type: none"> • boats • ships • (semi) -permanent platforms
<i>Open water environment</i> includes:	<ul style="list-style-type: none"> • day or night • oceans, seas, lakes and rivers • sub-surface conditions: <ul style="list-style-type: none"> • current (0-2 knots) • visibility (0 metre +) • temperature (0 degrees +) • surface and sub-surface hazards such as: <ul style="list-style-type: none"> • anchor drop zones • cathodic protection devices • electrical cabling • inlets and sonar/radio frequency hazards • marine animals • piers and jetties • pipelines • pollutants • propellers/thrusters • trapping hazards: <ul style="list-style-type: none"> • beams • culverts • gates • grottoes and caves • intakes and out-falls • nets • safety, anchor and communications lines • sewers • submerged ships, vehicles and structures • sluices • vessel rocking and associated movement
<i>Diving equipment</i> may include:	<ul style="list-style-type: none"> • breathing system devices: • cylinder configuration: <ul style="list-style-type: none"> • single • pressure:

	<ul style="list-style-type: none"> • demand • positive • supply: <ul style="list-style-type: none"> • independent primary • buoyancy devices: <ul style="list-style-type: none"> • buoyancy compensator • weight belt • dive clothing: <ul style="list-style-type: none"> • gloves • facemask • fins • wet-suit (including booties and hood) • diving accessory equipment: <ul style="list-style-type: none"> • knife • watch • compass • communications slate • facemask/mouthpiece ensemble • safety equipment: <ul style="list-style-type: none"> • diver's safety lines
<i>Inspecting diving equipment</i> may include:	<ul style="list-style-type: none"> • anchorage of safety lines • confirmation of necessary equipment • function of apparatus • air • buoyancy device • general fit and form • security of buckles and attachments
<i>Emergency resources</i> may include:	<ul style="list-style-type: none"> • breathing system and devices (see above) • buoyancy devices (see above) • safety equipment (see above)
<i>Incidents</i> may include:	<ul style="list-style-type: none"> • diver with equipment malfunction • injured diver • lost diver
<i>Medium</i> includes:	<ul style="list-style-type: none"> • in-water • out-of-water

Unit Sector(s)

Not applicable.