



Australian Government

Department of Education, Employment and Workplace Relations

SISOSCB314A Complete wreck dives

Release: 2

SISOSCB314A Complete wreck dives

Modification History

Not Applicable

Unit Descriptor

This unit describes the performance outcomes, skills and knowledge required to plan and perform wreck dives to a maximum depth of 18 metres.

Application of the Unit

This unit applies to current or aspiring specialty SCUBA dive guides or instructors working in a range of conditions that include wreck diving to a maximum depth of 18 metres. This may include those working for private dive schools or companies operating at coastal sites or through holiday resorts.

Licensing/Regulatory Information

No licensing, regulatory or certification requirements apply to this unit at the time of endorsement.

Pre-Requisites

SISOSCB301A SCUBA dive in open water to a maximum depth of 18 metres

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements and Performance Criteria

ELEMENT

PERFORMANCE CRITERIA

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the Evidence Guide.

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|-------------------------|---|
| 1. Plan a wreck dive. | 1.1. Prepare a <i>profile</i> of the wreck and determine a <i>wreck dive plan</i> according to <i>industry technical and safety criteria, relevant legislation and organisational policies and procedures</i> .
1.2. Identify potential <i>wreck diving hazards</i> and implement procedures to minimise <i>risks</i> .
1.3. Determine air supply and penetration limits for the wreck dive according to industry technical and safety criteria. |
| 2. Select equipment. | 2.1. Select <i>equipment</i> according to industry technical and safety criteria.
2.2. Assess equipment for safety and suitability and adjust and fit to ensure personal comfort. |
| 3. Perform wreck dive. | 3.1. Locate ascent reference without surfacing.
3.2. Complete a wreck dive within pre-set air supply and penetration limits according to industry technical and safety criteria, relevant legislation and organisational policies and procedures.
3.3. Identify and maintain minimal impact on wreck features and aquatic life living in and around wreck. |
| 4. Evaluate wreck dive. | 4.1. Evaluate <i>relevant aspects</i> of the wreck dive.
4.2. Identify improvements for future wreck dives. |

Required Skills and Knowledge

This section describes the skills and knowledge required for this unit.

Required skills

- planning and organising skills to:
 - prepare and follow wreck profile and dive plan
 - select specific wreck diving equipment
- problem-solving skills to:
 - locate and navigate wreck site
 - negotiate hazards and risks
- numeracy skills to calculate air supply and penetration limits for wreck dive
- first aid and emergency response skills appropriate to the site to enable initial response to emergencies and personal health care.

Required knowledge

- legislation, organisational policies and procedures and industry technical and safety criteria to enable safe conduct of all wreck diving activities
- minimal impact interactions to minimise negative impact on the wreck and aquatic animal and plant life
- selection, use and maintenance of wreck dive equipment, characteristics and technology, and factors affecting appropriate selection of equipment
- wreck diving specific technical knowledge such as penetration diving, navigation and use of lighting underwater
- hazards and risks commonly associated with wreck diving at a depth of 18 metres
- emergency, first aid and rescue procedures appropriate to the location to ensure risk minimisation to self and group.

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment

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

Evidence of the following is essential:

- applies relevant process to plan safe wreck dives, including calculating air supply and penetration limits, and selecting wreck diving equipment
- participates in penetration diving of a wreck while negotiating wreck hazards and risks according to industry technical and safety criteria, relevant legislation and organisational policies and procedures
- evaluates and reflects on own wreck diving performance to identify strengths, weaknesses and areas that need improvement.

Context of and specific resources for assessment

Assessment must ensure participation in multiple wreck dives to demonstrate competency and consistency of performance.

Assessment must also ensure access to:

- resources and information to prepare a profile of the wreck, plan wreck dive and select equipment
- a suitable open water dive site, with an appropriate wreck, to a maximum depth of 18 metres
- SCUBA diving and wreck diving equipment.

Method of assessment

A range of assessment methods should be used to assess practical skills and knowledge. The following examples are appropriate for this unit:

- observation of the planning and review process with evidence of reference to resources
- oral or written questioning to assess knowledge of minimal impact wreck diving, hazards and risks
- observation of use and maintenance of wreck diving equipment
- third-party reports from a supervisor detailing performance.

Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended, for example:

- SISOSCB309A Complete dives off boats.

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, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

Profile may include:

- type of wreck
- wreck site or location
- wreck size and layout
- hazards and risks
- sea bed surrounding wreck
- route in to or out of wreck
- historical and ecological significance.

Wreck dive plan may include:

- wreck profile and access
- equipment
- descent and or ascent reference
- air supply and penetration limits
- habitats and aquatic life living in wreck
- safety or guide lines when penetration diving
- navigation and lighting
- SCUBA buddy checks
- depths and time underwater
- alternate dive plan.

Industry technical and safety criteria may include:

- British Sub-Aqua Club (BSAC)
- Professional Association of Diving Instructors (PADI)
- SCUBA Schools International (SSI).

Relevant legislation may include:

- occupational health and safety
- permits or permission for access
- environmental regulations
- marine regulations
- Agency Standards
- protection of wrecks.

Organisational policies and procedures may include:

- occupational health and safety
- communication protocols
- code of ethics
- minimal impact codes.

Wreck diving hazards may include:

- the wreck
- depth
- currents

Risks may include:

- penetration
- air depletion
- fishing line, net and or tackle.
- hypothermia
- heat exhaustion
- injuries
- lost party or party member
- equipment failure
- trapped diver
- entanglement
- disorientation
- inability to ascend immediately.

Equipment may include:

- exposure protection
- knife
- torch
- protective gloves
- underwater navigation equipment
- communication equipment
- guide lines
- anchor lines
- greater reserve of breathing gas.

Relevant aspects may include:

- objectives
- planning process
- activity site
- weather
- equipment selection
- clothing selection
- food selection
- instructional content
- instructional technique
- assessment technique
- group feedback
- directing techniques
- rescue techniques employed.

Unit Sector(s)

Outdoor Recreation

Competency Field

SCUBA