



Australian Government

Department of Education, Employment and Workplace Relations

SISOSCB310A Complete an underwater video

Release: 2

SISOSCB310A Complete an underwater video

Modification History

Not Applicable

Unit Descriptor

This unit describes the performance outcomes, skills and knowledge required to plan and perform a dive with a video recorder and complete an underwater video recording 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 taking videos underwater 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.

- | | |
|---|--|
| 1. Plan video dive. | 1.1. Determine <i>factors affecting site selection</i> and ensure selected video dive site meets <i>industry technical and safety criteria, relevant legislation and organisational policies and procedures</i> .
1.2. Access information on the dive site and identify potential <i>underwater hazards</i> and implement procedures to minimise <i>risks</i> .
1.3. Identify and apply <i>principles of video composition</i> according to industry technical and safety criteria. |
| 2. Select and use underwater video equipment. | 2.1. Select <i>underwater video equipment</i> according to industry technical and safety criteria.
2.2. Assess equipment for safety and suitability and demonstrate <i>pre-dive equipment care</i> according to industry technical and safety criteria. |
| 3. Take video footage underwater. | 3.1. Demonstrate and practice <i>underwater video recording techniques</i> on various <i>subjects</i> according to dive plan and organisational policies and procedures.
3.2. Maintain <i>position</i> that limits the <i>negative impact</i> of environmental conditions on the video footage.
3.3. Take video footage using strobe lighting to minimise backscatter.
3.4. Complete short video productions that are satisfactorily exposed and focused.
3.5. Demonstrate <i>post-dive equipment care</i> according to industry technical and safety criteria. |
| 4. Evaluate video dive. | 4.1. Evaluate <i>relevant aspects</i> of the underwater video dive.
4.2. Identify improvements for future video dives. |

Required Skills and Knowledge

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

Required skills

- planning and organising skills to:
 - operate and maintain underwater video equipment
 - select underwater subjects to record
 - practice a range of techniques
- problem-solving skills to:
 - maintain position and lighting for video recording
 - negotiate underwater hazards and risks
- numeracy skills to use angles and distances when video recording subjects underwater
- technology skills to operate underwater video equipment
- 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 and legal conduct of underwater video activities
- minimal impact interactions and techniques to minimise negative impact on aquatic animal and plant life
- selection, use and maintenance of underwater video equipment, characteristics and technology, the advantages and disadvantages of the range of equipment, and factors affecting appropriate selection of equipment
- underwater video recording techniques, principles of video composition and effects of water on light and video recording
- hazards and risks associated with underwater video recording 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 select and use underwater video recording equipment and undertakes pre and post dive equipment care
- performs a range of underwater video recording techniques to capture a variety of subjects and identifies factors affecting quality of footage
- negotiates hazards and risks and minimises negative impact on aquatic life throughout dive according to industry technical and safety criteria, relevant legislation and organisational policies and procedures
- evaluates and reflects on own underwater video recording performance to identify strengths, weaknesses and areas that need improvement.

Context of and specific resources for assessment

Assessment must ensure participation in multiple underwater video recording activities to demonstrate competency and consistency of performance.

Assessment must also ensure access to:

- resources and information to plan and select appropriate under water video equipment
- a suitable open water dive site to a maximum depth of 18 metres
- SCUBA diving and video 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 safe participation and use of video equipment
- oral or written questioning to assess knowledge of underwater video recording techniques, hazards and risks
- 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:

- SISOSCB304A Navigate prescribed routes under water.

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.

Factors affecting site selection may include:

- entry and exit points
- bottom conditions
- aquatic life
- subject
- environmental conditions
- tides and currents
- water conditions.

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.

Organisational policies and procedures may include:

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

Underwater hazards may include:

- current
- loss of buoyancy
- hazardous aquatic life
- concentrating on subject rather than diving
- nitrogen narcosis
- equipment failure
- mobility
- dexterity
- corrosion.

Risks may include:

- hypothermia
- heat exhaustion
- injuries
- exhaustion
- lost party or party member

- equipment failure
- barotrauma
- nitrogen narcosis
- contaminated SCUBA air
- cramps
- stings or bites from aquatic life
- Decompression Illness (DCI).

Principles of video composition may include:

- plan the shoot
- definition
- image completeness
- foreground
- background
- subject direction and position
- lighting
- contrast
- use and pose a model
- editing
- title pages.

Underwater video equipment may include:

- housing
- video camera
- strobe
- aiming lights
- trays
- arms
- sealing rings
- recharging systems
- film
- maintenance kit
- playback equipment.

Pre-dive equipment care may include:

- housing and loading video
- tools
- cleaning
- lubrication
- sealing rings
- batteries
- electronics.

Underwater video recording techniques may include:

- maintaining smooth movements
- lighting and composition
- normal lens technique
- close-up or zoom technique
- wide angle technique
- keeping a moving subject correctly composed

- panning-horizontal movement
 - tilting-vertical movement
 - focussing
 - editing
 - different environmental conditions
 - effects of water on light and video recording.
- Subjects*** may include:
- fish
 - aquatic mammals
 - aquatic plant life
 - shipwrecks
 - cave systems
 - portraits of other divers.
- Position*** may include:
- diver propulsion
 - buoyancy control
 - body positioning.
- Negative impact*** may include:
- suspended particles
 - light loss
 - colour absorption.
- Post-dive equipment care*** may include:
- washing
 - lubricating.
- Relevant aspects*** may include:
- objectives
 - planning
 - activity site
 - weather
 - equipment selection
 - clothing selection
 - food selection
 - instructional technique
 - assessment technique
 - group feedback
 - directing techniques
 - rescue techniques employed.

Unit Sector(s)

Outdoor Recreation

Competency Field

SCUBA