



Australian Government

**Assessment Requirements for SISOSCB009
SCUBA dive to depths between 18 and 40
metres**

Release: 1

Assessment Requirements for SISOSCB009 SCUBA dive to depths between 18 and 40 metres

Modification History

Not applicable.

Performance Evidence

Evidence of the ability to complete tasks outlined in elements and performance criteria of this unit in the context of the job role, and:

- plan and complete four open water dives each for different parameters over 18 metres and up to 40 metres depth
- during each dive, use effective deep diving techniques to control:
 - ascent and descent
 - buoyancy
 - underwater swimming
 - breathing for air conservation
 - buddy contact, cooperation and communication
- across the four dives execute:
 - one descent and ascent using a reference line as a tactile guide
 - one free descent and ascent using a reference point as a visual only guide.

Knowledge Evidence

Demonstrated knowledge required to complete the tasks outlined in elements and performance criteria of this unit:

- definition of recreational deep dives and recommended diving limits within maximum definitions
- specific objectives that typically relate to deep dives and reasons for setting limited objectives in line with reduced time available underwater
- environmental hazards associated with diving beyond 18 meters and techniques used to safely negotiate these:
 - cold water
 - low light levels and visibility
- specific medical problems related to diving at depths beyond 18 metres, the causes, prevention, symptoms, first aid and treatment:
 - nitrogen narcosis
 - decompression sickness
 - increased levels of stress and panic due to environmental conditions
- how to use dive computers for deep diving to:

- determine no-decompression limits for single and repetitive dives
- properly plan and execute a dive
- manage ascents
- features, function and operation of dive computers, and advantages of dive computers over dive tables when planning and completing deep dives
- identifying features, functions and operation of equipment used for deep diving:
 - purpose made regulators
 - purpose made submersible pressure gauges
 - alternative air sources
 - heavy grade exposure suits, booties and gloves
 - lines from support stations fitted with back up air supply
 - extra weight ballast systems
 - dive lights
- descent and ascent techniques:
 - holding a reference line as a tactile guide
 - slowing and stopping using a reference line while hands are occupied
 - using a reference point as a visual only guide for free descents and ascents – walls and sloping bottoms
 - head up descents and why these are important
- special considerations and techniques whilst deep diving for:
 - maintaining buddy contact
 - adjusting and maintaining buoyancy
 - breathing
- optimum ascent rates and times for safety stops during ascent and how to calculate these for different depths.

Assessment Conditions

Skills must be demonstrated in an open water site during daylight hours. Dives can be completed from either boats or from the shore.

During assessment:

- direct vertical access to the surface must be possible; aquatic plants are not considered an overhead obstruction
- no more than three dives can be completed in any one day
- dives must include at least 15 minutes at a depth between 18 and 40 metres
- the following resources must be available to replicate industry conditions of operation:
 - first aid equipment
 - oxygen equipment
 - communication equipment for emergency response
 - diver flags of a type and size that meet local maritime regulator requirements

- flag and surface float with weighted line for safety stops and back up air supply attached (support station).

Assessment must ensure use of:

- a diving buddy with whom the candidate can dive
- fins
- masks
- snorkels
- cylinders and valves
- buoyancy control devices with low pressure inflators
- regulators with submersible pressure gauges
- alternative air source
- weight ballast systems
- exposure suits suitable for conditions
- timing devices
- depth gauges
- dive computers
- lines for descents and ascents.

Assessors must satisfy the Standards for Registered Training Organisations requirements for assessors, and:

- be an individual who is currently certified and sanctioned by an industry authorised organisation to teach and assess deep diving skills.

Links

Companion Volume Implementation Guides -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1ca50016-24d2-4161-a044-d3faa200268b>