



Australian Government

SFIDIV307 Perform underwater work in the wild catch sector

Release: 1

SFIDIV307 Perform underwater work in the wild catch sector

Modification History

Release	Comments
Release 1	This version released with SFI Seafood Industry Training Package Version 1.0.

Application

This unit of competency describes the skills and knowledge required to perform underwater dive work in wild catch environments, including entering and leaving the water safely, harvesting seafood and other aquatic products, using basic hand tools and auxiliary devices, restraining and lifting loads, and conducting underwater searches.

The unit applies to individuals who work as occupational divers in the aquaculture sector of the seafood industry.

Occupational licensing, legislative and certification requirements apply to this unit but vary according to state/territory requirements. Occupational diving is regulated independently by each state and territory work health and safety authority. Users are advised to check with the relevant authority to confirm current requirements.

Pre-requisite Unit

Nil

Unit Sector

Diving (DIV)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Enter and leave the water	1.1 Consult crew and consider prevailing weather and water conditions when assessing the safety of diving operations, and decide on whether to continue the dive 1.2 Ensure that procedures during the dive, and when entering or leaving the water from the dive platform meet diving guidelines and

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	are according to normal dive practices 1.3 Use signals to the dive platform before descent and following ascent according to normal dive practices
2. Harvest and land seafood catch	2.1 Identify and harvest targeted seafood and other aquatic products legally and safely 2.2 Handle catch to maintain maximum quality and according to workplace and industry operating procedures 2.3 Land catch according to workplace and industry operating procedures
3. Assist in lifting and handling	3.1 Recognise the limitations and suitability of winches with hydraulic and air motors for use on the surface and underwater when undertaking winching operations 3.2 Use the correct signs and signals during winch operations so as to communicate effectively with crew 3.3 Select and rig lifting equipment and ropes of the correct type and safe working load using the correct mechanical advantage for the catch being lifted 3.4 Use and secure lifting bags to raise catch 3.5 Restrain the catch so that ascent is controlled 3.6 Inspect and maintain slings, ropes and lifting bags and carry out pre- and post-dive checks on lifting devices
4. Use basic hand tools and auxiliary devices underwater	4.1 Use a range of hand tools to complete simple tasks underwater 4.2 Use auxiliary devices in underwater catch operations safely 4.3 Inspect tools for defects, maintain and store after use or set aside for repair
5. Conduct underwater searches	5.1 Use a range of underwater search and survey techniques to locate targeted items 5.2 Maintain signals while conducting underwater search

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Numeracy	- Interprets and follows dive tables - Reads diving instruments - Performs calculations and measurements for diving operations and underwater search and survey techniques
Reading	Interprets required information from diving-related instructions, procedures, regulatory requirements and guidelines
Navigate the world of work	Takes responsibility for decisions about when and how to complete tasks, and coordinates with others
Interact with others	Uses appropriate terminology and signals specific to diving, lifting and handling operations
Get the work done	Uses diver communication systems

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
SFIDIV307 Perform underwater work in the wild catch sector	SFIDIVE316A Perform underwater work in the wild catch sector	Updated to meet Standards for Training Packages Prerequisite removed Minor amendments to elements and performance criteria for clarity	Equivalent unit

Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=e31d8c6b-1608-4d77-9f71-9ee749456273>

Assessment Requirements for SFIDIV307 Perform underwater work in the wild catch sector

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has performed underwater dive work in a wild catch environment on at least one occasion, including:

- making an assessment of the conditions before undertaking a dive
- entering and leaving the water according to standard dive procedures
- assisting with winch operations
- harvesting and safely handling seafood catch
- operating and maintaining the appropriate tools and auxiliary devices to complete the required underwater tasks
- using appropriate dive signals when communicating with crew
- using appropriate search techniques to trace items.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- local weather and sea conditions that impact on diving operations
- diving signals used in underwater work, including when entering and leaving water and carrying out lifting and handling activities and underwater searches
- wild catch apparatus and associated equipment, including:
 - auxiliary devices, including low pressure air supply systems
 - lifting equipment, including its suitability and limitations
 - basic hand tools
- diver communication systems
- methods for entering and leaving the water from a range of dive platforms
- seafood harvest procedures that require underwater work in a wild catch environment
- fisheries legislation relevant to wild catch harvesting

- safe working loads and mechanical advantages for winching operations
- underwater search and survey techniques used for underwater work in a wild catch environment.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a diving environment in a wild catch setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - diving equipment
 - basic hand tools used in the wild catch sector
 - underwater auxiliary equipment
- specifications:
 - workplace procedures for performing underwater work that include advice on health and safety requirements
 - access to fisheries legislation and industry operating procedures for wild catch harvesting
 - manufacturer instructions for basic hand tools.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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