

**Modification history**

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

| SFIAQU220                | Use waders safely in aquatic environments  |
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| <b>Application</b>       | <p>This unit of competency describes the skills and knowledge required to prepare and use waders in freshwater or marine work environments. It includes the ability to minimise risk and use safe practices and personal survival skills in situations of flooded waders, lost footing, sudden immersion and other aquatic emergencies that may be complicated by the wearing of waders.</p> <p>The unit applies to individuals who use waders in the aquaculture, fishing operations and fisheries compliance sectors of the seafood industry.</p> <p>All work must be carried out to comply with workplace procedures, according to state/territory health and safety, biosecurity and environmental regulations, legislation and standards that apply to the workplace.</p> <p>No occupational licensing, legislative or certification requirements apply to the unit at the time of publication.</p> |
| <b>Prerequisite Unit</b> | Nil  |
| <b>Unit Sector</b>       | Aquaculture (AQU)  |

| 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. Prepare for safe use of waders                                       | 1.1 Confirm environmental conditions including water temperature and potential hazards that influence the selection of waders<br>1.2 Select waders based on type of work, water temperature and environmental risks and hazards<br>1.3 Check condition and fit of waders and adjust to ensure correct fit<br>1.4 Dress in clothing appropriate for water temperature and environmental conditions and fit safety equipment correctly   |
| 2. Use safe wading techniques   | 2.1 Select entry technique and account for potential environmental hazards<br>2.2 Use wading techniques appropriate for water and environmental conditions   |
| 3. Apply simple survival skills on sudden immersion and loss of footing | 3.1 Adopt wader safety tuck position when footing is lost and on sudden entry to water<br>3.2 Apply survival techniques appropriate to water conditions<br>3.3 Use techniques that extend survival time in deep water<br>3.4 Swim to exit point using survival strokes<br>3.5 Exit from the water independently with and without waders  |
| 4. Carry-out a simple water rescue                                      | 4.1 Identify person in need of assistance based on visual characteristics and environmental signs<br>4.2 Assess the situation and develop rescue plan according to best practice principles of water safety<br>4.3 Assemble safety and rescue equipment to assist person in difficulty<br>4.4 Apply simple search techniques in shallow water<br>4.5 Perform a simple rescue and assist the person to exit the water<br>4.6 Provide basic care and immersion assistance to rescued person and seek additional help as required |

| <b>Foundation Skills</b>   |  |
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| <i>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.</i> |  |
| <b>Skill</b>   | <b>Description</b>   |
| Reading  | <ul style="list-style-type: none"> <li>• Interpret manufacturer's specifications and safety instructions</li> <li>• Interpret warning signs and labels</li> <li>• Check information on weather and water conditions</li> </ul> |
| Numeracy   | <ul style="list-style-type: none"> <li>• Estimate water depth and rate of flow of water in assessing safety risks</li> <li>• Estimate water temperature and calculate in-water immersion times</li> </ul>                      |
| Oral communication   | <ul style="list-style-type: none"> <li>• Ask questions and give instructions to person in need of assistance</li> </ul>  |
| Interact with others   | <ul style="list-style-type: none"> <li>• Collaborate and cooperate with others in rescue practices</li> </ul>  |

| <b>Unit Mapping Information</b>                     |  |   |                           |
|---|--|---|---------------------------|
| <b>Code and title current version</b>               | <b>Code and title previous version</b> | <b>Comments</b>   | <b>Equivalence status</b> |
| SFIAQU220 Use waders safely in aquatic environments | SFIAQUA220A Use waders                 | Updated to meet Standards for Training Packages.<br>Title change and minor changes to performance criteria to clarify intent of unit. | Equivalent Unit           |

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

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| <b>TITLE</b>   | <b>Assessment requirements for SFIAQU220 Use waders safely in aquatic environments</b> |
| <b>Performance Evidence</b>  |  |
| <p>An individual demonstrating competency must satisfy all the elements and performance criteria of this unit. There must be evidence that the individual has used waders safely in aquatic environments on at least one occasion including:</p> <ul style="list-style-type: none"> <li>• selecting and fitting waders and wading safety equipment correctly</li> <li>• undertaking safe entry, wading and exit techniques</li> <li>• assessing aquatic emergencies and situations requiring a rescue response</li> <li>• applying safe work practices for prevention of injury and illness in aquatic environments including personal water safety and survival skills</li> <li>• carrying out a simple rescue of one person in difficulty using safe water rescue techniques</li> <li>• using workplace equipment to assist a rescue</li> <li>• providing basic after-care including management of immersion-related illness and injury.</li> </ul>  |  |
| <b>Knowledge Evidence</b>  |  |
| <p>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:</p> <ul style="list-style-type: none"> <li>• characteristics of different types of waders and their safe use</li> <li>• hazards and risks associated with the use of waders in aquatic environments</li> <li>• techniques for minimising risks associated with working in waders</li> <li>• potential hazards in freshwater and marine work environments</li> <li>• water temperature factors that influence survival time</li> <li>• how to calculate in-water survival times</li> <li>• physiological effects and risks associated with immersion in cold water and approaches for minimising these</li> <li>• signs of a person in difficulty in water</li> <li>• basic principles of individual survival in aquatic emergencies</li> <li>• basic principles of water rescues, including how to prioritise rescues, and rescue techniques</li> <li>• treatment of temperature-related illnesses</li> <li>• water rescue equipment to assist rescue.</li> </ul>   |  |
| <b>Assessment Conditions</b>   |  |
| <p>Assessment of this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> <li>• physical conditions: <ul style="list-style-type: none"> <li>• skills must be demonstrated in an aquatic work environment or an environment that accurately represents workplace conditions</li> <li>• access to water of varying conditions and depths, including water too deep to stand up in</li> </ul> </li> <li>• resources, equipment and materials: <ul style="list-style-type: none"> <li>• suitable clothing worn under waders</li> <li>• waders</li> <li>• wide adjustable belt, such as a diver webbing belt with quick release buckle</li> <li>• buoyant equipment</li> <li>• safety and rescue equipment including personal flotation devices, ropes, poles or boat hook, bucket, container or similar object that can be used to assist flotation and other equipment used to reach someone in difficulty</li> </ul> </li> <li>• specifications: <ul style="list-style-type: none"> <li>• safety instructions relating to use of waders and water rescue</li> </ul> </li> <li>• relationships: <ul style="list-style-type: none"> <li>• interactions with real persons in need of assistance or realistic scenarios or roleplays.</li> </ul> </li> </ul> <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p> |  |
| <b>Links</b>   | Companion Volumes, including Implementation Guides, are available at VETNet:           |

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|  | <a href="https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=e31d8c6b-1608-4d77-9f71-9ee749456273">https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=e31d8c6b-1608-4d77-9f71-9ee749456273</a> |
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