

**Modification history**

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

SFIFSH401	Locate fishing grounds and stocks of fish
<b>Application</b>	<p>This unit of competency describes the skills and knowledge required position the fishing operation to locate concentrations of fish and fishing environments. It includes the ability to use electronic aids and sources of information to position the vessel and locate fishing grounds.</p> <p>The unit applies to individuals who are responsible for locating suitable environments for fishing operations.</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>	Fishing Operations (FSH)

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. Position operation to optimise fishing opportunity	1.1 Determine accurate position of vessel using electronic or visual fixing methods according to workplace procedures 1.2 Position vessel at selected location at appropriate time for fishing operations 1.3 Maintain vessel position within the range and level of exposure to prevailing and anticipated weather conditions appropriate to the vessel 1.4 Position vessel considering relevant environmental factors 1.5 Use vessel performance records and other sources of relevant information to aid decision making 1.6 Alter area of operation to optimise fishing opportunity in response to available information 1.7 Ensure vessel position complies with all relevant state, territory and federal regulations
2. Detect and identify fish concentrations and fishing environments	2.1 Operate electronic aids to optimise available information on fish concentrations 2.2 Interpret available indications to extract relevant information on fish concentrations 2.3 Determine size, density, position and movement of fish concentrations accurately within the limitations of available information 2.4 Determine relevant environmental factors accurately within the limitations of available information 2.5 Ensure selected fishing environment is appropriate to target species and fishing gear

<b>Foundation Skills</b>	
<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>Keep and review records</li> </ul>
Numeracy	<ul style="list-style-type: none"> <li>Access and interpret information, graphs and tables showing abundance</li> <li>Calculate time, speed and distance</li> </ul>
Interact with others	<ul style="list-style-type: none"> <li>Select and use appropriate vocabulary, conventions and protocols, including technical language to communicate with crew members</li> </ul>
Get the work done	<ul style="list-style-type: none"> <li>Operate and maintain electronic aids and communication technology</li> <li>Manage risks around the safe selection of fishing area, grounds and stocks</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>
SFIFSH401 Locate fishing grounds and stocks of fish	SFIFISH401C Locate fishing grounds and stocks of fish	Updated to meet Standards for Training Packages. Minor changes to element and performance criteria for clarity.	Equivalent unit

<b>Links</b>
Companion Volumes, including Implementation Guides, are available at VETNet: <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>

<b>TITLE</b>	<b>Assessment requirements for SFIFSH401 Locate fishing grounds and stocks of fish</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 positioned a vessel to locate fishing grounds and stocks of fish on at least one occasion including:</p> <ul style="list-style-type: none"> <li>• obtaining, correcting and plotting position lines and positions on navigational and fishing charts</li> <li>• positioning the vessel safety based on environmental factors and regulatory requirements</li> <li>• using accepted methodologies to detect fish concentrations and fishing grounds of target species of fish</li> <li>• matching the configuration of fishing gear to the target environment and species.</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>• operation of position fixing equipment and methods</li> <li>• calculation of the times required for movement in positioning a vessel for fishing operations</li> <li>• sources of information used to position a vessel and locate fishing grounds and the means of accessing them, including fisheries information for best potential fishing outcome</li> <li>• state, territory and national legislation and regulations relevant to fishing operations</li> <li>• relevance of environmental and other factors affecting fishing operations</li> <li>• interpretation of information from electronic systems</li> <li>• operation and adjustment of fish-finding equipment</li> <li>• visual indications of fish concentrations</li> <li>• fishing gear types and their effect on differing fishing environments.</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 a fishing operation setting or an environment that accurately represents workplace conditions</li> </ul> </li> <li>• resources, equipment and materials: <ul style="list-style-type: none"> <li>• electronic aids for locating fish</li> <li>• navigational and fishing charts</li> <li>• logs of fishing operations and other sources of information used to make decisions on fishing operations</li> </ul> </li> <li>• specifications: <ul style="list-style-type: none"> <li>• workplace procedures for fishing operations that includes advice on health and safety and environmental requirements.</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>	
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