

**Modification history**

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

SFI OBS304	Analyse and report onboard observations
<b>Application</b>	<p>This unit of competency describes the skills and knowledge required to analyse and report onboard observations of fisheries and environmental management.</p> <p>This unit applies to observers who are required to examine raw data, present results, determine trends, unusual occurrences and uncertainty in scientific and fisheries management data and report results according to the agency's requirements.</p> <p>All work must be carried out to comply with workplace procedures, according to state/territory health and safety, food safety, biosecurity and environmental regulations, legislation and standards that apply to the workplace.</p> <p>No occupational licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
<b>Prerequisite Unit</b>	Nil
<b>Unit Sector</b>	Fisheries Observer (OBS)

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. Check data and perform basic computations	1.1 Examine raw measurement data, estimations and observations for consistency with expectations and reasonable ranges 1.2 Calculate and check scientific quantities with the required accuracy and precision 1.3 Present results in appropriate formats
2. Analyse trends and relationships between sets of data	2.1 Analyse results to determine trends and relationships between sets of data 2.2 Draw logical conclusions from the analyses 2.3 Recognise and report results that are inconsistent with expectations 2.4 Identify possible causes and effects of unexpected outcomes by examining fishing records and notes of atypical observations
3. Report results	3.1 Use charts, tables and graphs to present results in the appropriate formats 3.2 Present reports in a format and style consistent with requirements 3.3 Communicate results within the specified time and according to workplace requirements

<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>
Numeracy	<ul style="list-style-type: none"> <li>examine, calculate, compare and analyse measurement data, estimations and observations</li> </ul>
Writing	<ul style="list-style-type: none"> <li>prepare reports and presentations</li> </ul>
Problem solving	<ul style="list-style-type: none"> <li>identify inconsistencies, trends, causes and effects in data</li> </ul>
Technology	<ul style="list-style-type: none"> <li>use computers for data analysis, record keeping and correspondence</li> <li>use mobile cell, satellite phone and radio communications</li> <li>access and navigate web based media</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>
SFIOBS304 Analyse and report onboard observations	SFIOBSV304B Analyse and report onboard observations	Updated to meet Standards for Training Packages	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>
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<b>TITLE</b>	<b>Assessment requirements for SFIOBS304 Analyse and report onboard observations</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 analysed and reported a set of data and samples to support fisheries and environmental management research on at least one occasion, including:</p> <ul style="list-style-type: none"> <li>• assessing reliability of data</li> <li>• identifying and analysing trends, unusual occurrences and other non-standard findings from data collection and drawing logical conclusions as to possible causes and effects</li> <li>• presenting and recording data and findings in formats appropriate for scientific and management uses</li> <li>• reporting the results of onboard observations to stakeholders.</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>• environmental management procedures, regulations and codes of practice relevant to the specific sector within the seafood industry</li> <li>• applying statistical analysis to raw data</li> <li>• commercial fisheries and unique aspects relevant to the fishery, sector or geographic area</li> <li>• fisheries management methodologies and associated data requirements</li> <li>• fisheries research methodologies and the application of scientific data</li> <li>• inductive and deductive reasoning processes</li> <li>• work regime and typical equipment used to collect data on target species, product and likely by-catch</li> <li>• principles and methods for presenting data and research outcomes.</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 fisheries monitoring setting or an environment that accurately represents workplace conditions</li> </ul> </li> <li>• resources, equipment and materials: <ul style="list-style-type: none"> <li>• relevant documentation</li> <li>• computer and communication technologies</li> </ul> </li> <li>• specifications: <ul style="list-style-type: none"> <li>• data collection and sampling plans</li> <li>• workplace procedures observations.</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: <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>