



Australian Government

SFIOBS301 Monitor and record fishing operations

Release: 1

SFIOBS301 Monitor and record fishing operations

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 validate logbook data on fishing operations and collect other scientific information for research and resource management purposes. It requires the ability to plan work around commercial fishing activities, record observations and conduct on-shore reporting.

This unit applies to observers who are placed on-board designated fishing vessels by an authority, to monitor and record fishing operations for research purposes.

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.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Fisheries Observer (OBS)

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. Plan on-board work activities	1.1 Identify purpose of information collection and divide work activities into achievable components and efficient sequences 1.2 Plan timing of activities to suit fishing operations, conditions and crew routines

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 Modify tasks and priorities to suit changed circumstances or requests from skipper and crew 1.4 Log completion of activities to confirm outputs 1.5 Seek cooperation and engagement of vessel crew by explaining purpose and procedures for information collection
2. Conduct on-board observations of fishing operations	2.1 Assist vessel compliance with conditions of fishing permits and agreements 2.2 Follow observation protocols and plans under a range of work conditions 2.3 Estimate, measure and sample catches 2.4 Exercise judgement to detect unusual or irregular events on-board the vessel and when suggesting possible causes and effects 2.5 Follow all on-board safety procedures during observations 2.6 Maintain cooperative relationships with skipper and crew to enhance value of information obtained
3. Record and report observations	3.1 Record observations in the required format 3.2 Maintain regular communication with shore personnel according to requirements 3.3 Conduct onshore reporting and post-fishing debriefing sessions as required

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	- Estimates catch and effort - Measures biological features of species and environmental conditions - Samples catch and other relevant variables
Reading	Checks logbooks, permits and related documentation

Skill	Description
Writing	Records information related to fishing operations and production
Navigate the world of work	Interprets and follows regulatory requirements, and seeks clarification or other assistance when required
Interact with others	Uses appropriate vocabulary, conventions and protocols, including technical language relevant to maintaining effective communication with vessel master and crew
Get the work done	Makes and reviews critical and non-critical decisions regarding observations

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
SFIOBS301 Monitor and record fishing operations	SFIOBSV301B Monitor and record fishing operations	Updated to meet Standards for Training Packages	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 SFIOBS301 Monitor and record fishing operations

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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, on one occasion, planned, conducted and recorded monitoring activities for at least one fishing operation, including:

- engaging vessel crew in cooperating with the collection and interpretation of information
- performing checks, measurements and sampling to validate fishing operation records and catches
- identifying unusual or irregular events and suggesting possible causes and effects that may have implications for fisheries research and management
- reporting and debriefing on fishing activity, catch, effort and other relevant information.

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:

- basic environmental management legislation, regulations and codes of practice relevant to the specific sector within the seafood industry
- commercial fisheries and unique aspects relevant to the fishery, sector or geographic area
- data collection, measurement and sampling methodologies
- fisheries management methodologies and associated data requirements
- fisheries research methodologies and the application of scientific data
- communication systems at sea
- relationship of observation activities to fisheries management processes
- species, product, work regime and typical equipment used.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:

- skills must be demonstrated in a fishing operation monitoring setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - relevant documentation
 - data collection plans and recording forms
 - equipment and materials for checking operations and product
- specifications:
 - access to legislation and regulations relevant to fishing operation monitoring activities
 - workplace procedures for conducting observations.
- relationships:
 - evidence of interactions with skipper and vessel crew.

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

Links

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