

PIROBS2.01E – Perform port sampling operations

Functional area **Observer operations**

Prerequisites **None required**

Descriptor

This unit covers the performance outcomes, skills and knowledge necessary for a person to safely undertake the collection, recording and transfer of catch sampling information required by national and regional fisheries agencies that is gathered from landing sites and from fishing vessels in port, at anchor or during fish transfer operations.

Elements

Performance criteria

1. Apply safe work practices during port sampling operations

- 1.1 Identify hazards and potential emergency situations that may occur while performing port sampling operations
- 1.2 Work safely, taking into account identified hazards, during port sampling operations on wharves, berthed vessels, transferring to vessels moored in harbours or on the deck of fishing vessels during unloading
- 1.3 Wear appropriate safety equipment and clothing during port sampling operations
- 1.4 Follow accepted emergency response actions in the event of an emergency situation while port sampling

2. Follow established port sampling protocols and procedures

- 2.1 Understand the protocols of regional and national port sampling programmes and how the information is recorded and utilised
- 2.2 Identify species take appropriate size measurements and gather catch, landing and transshipment information following correct protocols when port sampling
- 2.3 Collate and file completed port sampling data forms correctly and ensure forms are properly prepared for data entry systems

3. Collect data from a fishing vessel using the correct sampling techniques

- 3.1 Determine suitable fish sampling method to gather data using vessel log sheets and interviewing vessel officers
- 3.2 Use random or non-random sampling techniques according to the particular situation
- 3.3 Communicate with vessel officers, unloading crew and the winch master when implementing the selected sampling strategy for the vessel
- 3.4 Gather and collate all the supporting information required when undertaken port sampling operations

4. Record data collected from a fishing vessel

- 4.1 Enter information and data gathered into the port sampling templates as prescribed by the responsible agency

Evidence guide

Each unit of competency has an evidence guide that relates directly to the performance criteria. Its purpose is to guide assessment of the unit in the workplace and/or training program. The following components provide information to assist this purpose.

Required knowledge

The essential knowledge and understanding a person needs to perform work to the required standard include:

- Risks, hazards and correct safe work practices associated with port sampling operations on wharves, berthed vessels, transferring to vessels moored in harbours or on the deck of fishing vessels during unloading
- Basic emergency procedures during emergency situations on wharves and vessels
- Correct safety equipment and clothing worn during port sampling operations
- Protocols and procedures of regional and national port sampling programmes
- Species and catch, landing and transshipment information that is gathered during a port sampling operation
- Random or non-random sampling techniques and when to apply each
- Chain of custody and traceability systems used in the region
- Procedures for the handling and management of port sampling data sheets on completion of port sampling

Required skills

The essential skills a person needs to perform work to the required standard include:

- Identifying risks and hazards during port sampling operations and applying safe work practices
 - Following basic emergency procedures during an emergency situation
 - Identifying species, taking correct size measurements and collecting and recording fishing information and data including all fishing operation and sampling details
 - Applying a range of techniques to gather the information accurately
 - Entering information into designated templates
 - Estimate total catch unloaded or transferred
 - Communicating effectively with fishing vessel crew to obtain required information

 - Reading documentation relevant to port sampling operations
 - Completing accurately and legibly data and information entered in port sampling records
- Numeracy skills used for:
- Collecting and recording data required in port sampling operations
 - Calculations
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- Electronic collection, recording and reporting

Critical aspects of competence

Assessment must confirm the ability to:

- Perform safe work practices
- Follow established port sampling protocols and procedures
- Identify species and gather, record and collate sampling information accurately
- Apply a range of techniques to accurately gather information and data

Assessment must confirm knowledge of:

- Safe work practices and emergency procedures
- Various port sampling protocols and procedures
- Selected species and information and data required for collection, recording and collating during port sampling operations and transshipment and the recording sheets and templates used

Context of assessment

While assessment would ideally be conducted on a wharf or on a vessel it is likely to be undertaken in a simulated workplace environment. Every effort should be made to ensure the simulated assessment is as realistic as possible.

Method of assessment

The following assessment methods are suggested:

- Observation of the candidate gathering and recording the required information
- Written or oral short answer questions to assess underpinning knowledge
- Examples of port sampling information and data collected and recorded by the candidate
- Practical exercises involving the observation of the candidate conducting simulated port sampling operations
- Third-party reports, including reports from observer programme coordinators and observer programme trainers

Interdependent assessment of units

This unit can be assessed in conjunction with other units relating to observers observing, gathering and recording fisheries information and data

Resources required for assessment

Resources may include:

- Port sampling protocols and procedures documents
- Port sampling data forms and port sampling templates
- Port sampling tools
- Previous examples of port sampling information and data forms
- OHS risk management forms
- Emergency safety equipment
- Fish to gather relevant data from