

PIROBS3.08E – Interpret electronic monitoring operations

Functional area **Observer operations**

Prerequisites **PIRFO Observer**

Descriptor

This unit covers the performance outcomes, skills and knowledge required by an observer or other authorised person to accurately interpret records of a fishing operation obtained through electronic monitoring of that operation.

Elements

Performance criteria

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| 1. Set up the correct fishing operation to be interpreted | <ul style="list-style-type: none">1.1 Ensure the relevant electronic record of the fishing operation or operations to be interpreted are available1.2 Ensure other relevant records, such as pre-trip inspection record (if applicable), are available for inclusion with interpreted data1.3 Turn on computer following correct procedures then open and load the correct application to run the recording1.4 Identify and load the fishing operation to be interpreted1.5 Identify the beginning and end of the fishing operation to be interpreted1.6 Start, pause and stop electronic record of the fishing operation so that accurate interpretation can be undertaken |
| 2. View and record standard effort and catch information from the fishing operation being interpreted | <ul style="list-style-type: none">2.1 Correctly identify and record in the appropriate fields all required standard information on the fishing operation being interpreted2.2 Correctly identify and record in the appropriate fields all required standard information on vessel catch2.3 Verify interpretation of standard effort and catch information of the fishing operation from other sources, such as a vessel log or pre-trip inspection, if available |
| 3. View and record information on non-standard activities during the fishing operation being interpreted | <ul style="list-style-type: none">3.1 Recognise and appropriately record any difficulties that occur during the fishing operation3.2 Identify, interpret and record any IUU activities that take place during the fishing operation3.3 Identify, interpret and record all required information from encounters with species of special interest3.4 Identify, interpret and record all other information specifically related to national and regional fisheries regulation and management measures3.5 Verify interpretation of non-standard activities of the fishing operation from other sources, if available, such as a vessel log |

- 4. Complete interpretation process and deliver a summary report on outcomes of the interpretation procedure**
- 4.1 Ensure all recorded data is backed up according to prescribed protocols
 - 4.2 Prepare a brief report on interpretation outcomes including any identified IUU incidents in the required format and distribute according to prescribed protocols
 - 4.3 Distribute the completed data set and reports according to required protocols
 - 4.4 Make recommendations based on the interpretation process that will enhance the electronic monitoring operation and assist in the management of the fishery

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 programme. 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:

- General understanding of computer operations
- General understanding of software programmes used in the electronic monitoring operation
- Illegal, Unregulated & Unreported (IUU) activities that may occur in the Western & Central Pacific Ocean (WCPO) tuna fisheries
- Relevant national and regional fisheries regulation and management measures
- Observer operations and associated forms used in observer operations
- Fishing methodologies used in the WCPO tuna fisheries including gear types, commercial species and by-catch caught, and bait (if any) that is used

Required skills

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

- Operating a computer and related applications to the level required to interpret video and other electronic recordings
- Interpreting and analysing information provided in electronic recordings of a fishing operation
- Identifying fishing operations and complementary activities undertaken in the WCPO tuna fisheries
- Identifying IUU activities and non-compliance with relevant national and regional fisheries regulation and management measures that may be indicated in a video and other electronic recordings of a fishing operation in the WCPO tuna fisheries
- Recording interpreted details within the programme being used in the electronic monitoring process
- Preparing summary reports providing outcomes and general recommendations of the interpretation process

Literacy skills used for:

- Interpreting documentation relevant to the interpretation process
- Accurate and legible completion of data and information required in the interpretation process
- Preparing legible, succinct summary reports
- Calculations

Critical aspects of competence

Assessment must confirm the ability to:

- Identify, interpret, analyse and record information provided in a video and other electronic records of a fishing operation
- Identify IUU activities and non-compliance with relevant national and regional fisheries regulation and management measures
- Prepare summary reports providing outcomes and general recommendations of the interpretation process

Assessment must confirm knowledge of:

- Computers and applications related to interpreting video and other electronic records of fishing operations
- Fishing methodologies used in the WCPO tuna fisheries
- IUU activities and national and regional fisheries regulation and management measures relevant to the WCPO tuna fisheries
- PIRFO observer reporting requirements

Context of assessment

Assessment should be conducted in the workplace where possible and include the candidate viewing, identifying, interpreting and recording all required information of a WCPO tuna fishing operation captured through an electronic monitoring process. It may under some circumstances be undertaken in a simulated workplace environment.

Method of assessment

The following assessment methods are suggested:

- Observation of the candidate while interpreting a minimum of two electronically monitored fishing operations
- Written or oral short answer questions to assess underpinning knowledge
- Examples of records, reports and other documentation completed by the candidate relating to the interpretation of electronically monitored fishing operations
- Practical exercises involving the observation of the candidate interpreting existing and previously analysed electronically monitored fishing operations
- Third-party reports, including reports from observer programme coordinators and observer programme trainers

Interdependent assessment of units

This unit will generally be assessed as a stand alone competency to complement already attained PIRFO observer competencies

Resources required for assessment

Resources may include:

- Access to dedicated computers and complementary applications used to interpret electronically monitored fishing operations
- A variety of recorded electronically monitored fishing operations