

PIRFO Draft Competency Standards

PIRFO 3 - 6.07	Use and maintain equipment that may be allocated to a fisheries observer for professional use during an observer trip
<p>Prerequisites:</p> <p>Descriptor</p> <p>This module requires candidates to correctly use and maintain a range of equipment used by a fisheries observer and identify situations in which use of the equipment is appropriate.</p>	
Learning Outcome	Assessment Criteria
1. Demonstrate the correct use and maintenance of callipers and deck tapes	1.1 Demonstrate correct use of calipers and deck tapes 1.2 Discuss how to maintain calipers and deck tapes in good working condition
2. Discuss the correct use and care of cameras and digital cameras	2.1 Discuss the use and maintenance of a disposable, film and digital cameras 2.2 Discuss the operational situations in which it would be appropriate or useful to collect photographs 2.3 Discuss the concepts of framing, use of light, contrast, labeling and the use of scale when taking photographs
3. Demonstrate basic use and care of a hand-held GPS	3.1 Demonstrate basic knowledge of the operational use and maintenance of a hand-held GPS 3.2 Plot a vessel position using a fix obtained from a hand-held GPS
4. Demonstrate knowledge of the use and care of other equipment allocated for use by fisheries observers	4.1 Show awareness of the operational use and maintenance of equipment such as scales, compass, binoculars, knives, voice recorders and other items that may be assigned for observer use.

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Evidence and Assessment Guide

Context and Method of assessment

Assessment is to be conducted in a simulated environment.

The purpose of assessment is to ensure that the observer is familiar with the operational use and maintenance of equipment that is regularly allocated to an observer for use at sea.

Assessment should include practical exercises that demonstrate the basic use and appropriate storage of the equipment. Situation or circumstance in which the items of equipment might be used should be outlined.

Resources for assessment should include:

- Tapes and calipers
- Cameras
- GPS
- Computers
- Scales, compass, binoculars

Underpinning knowledge

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

- Situations where observers are likely to use specific equipment items
- Requirements for the correct operational use of equipment items
- Requirements for appropriate storage of equipment items
- Requirements for basic maintenance of equipment items

Learning Outcome	Evidence Guide
1. Demonstrate the correct use and maintenance of callipers and deck tapes	Calipers and tapes are used to take accurate measurements and when work with these tools is complete they are cleaned stored in an appropriate manner
2. Discuss the correct use and care of cameras and digital cameras	Candidates need to demonstrate that they can correctly use a camera, ensure the camera is charged and operational and stored in an appropriate manner when not in use. Candidates should describe situations where cameras should or could be used to collect relevant information.
3. Demonstrate basic use and care of a hand-held GPS	Candidates need to demonstrate that they can switch on a hand-held GPS and use it to obtain an accurate position. The appropriate storage of hand-held GPS units when not in use should be stated.
4. Demonstrate knowledge of the use and care of other equipment allocated for use by fisheries observers	Candidates need to demonstrate knowledge of the use and storage of equipment items including scales, compass, knives, voice recorders and binoculars. Knowledge can be demonstrated either through oral assessment or practical demonstration of use.

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Practical skills

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

- The ability to use calipers and tapes to take accurate measurements;
- The ability to use a camera
- The ability to use a hand held GPS to obtain and record a position
- The ability to use scales for measurement
 - The ability to use a compass for determining course or bearing
 - The ability to use binoculars for identifying objects viewed from a vessel
 - The ability to use voice recorders to collect and record information
 - The ability to use a knife as appropriate to the duties of an observer
- The ability to maintain and store and maintain equipment for operational use

Literacy skills used for:

- Equipment operation and instruction manuals

Numeracy skills used for:

- Collecting and recording measurement

Critical aspects of evidence

The key requirement is to demonstrate understanding of the appropriate use of equipment items and steps to be taken by the Observer to ensure the operational integrity of equipment items while at sea..

Assessment must confirm an ability to:

- Correctly use calipers and deck tapes
- Turn on and focus a camera and change camera batteries
- Use a hand held GPS to fix and store position
- Turn on and use a computer for simple communication
- Use scales, compass, and binoculars for their intended purpose

Assessment must confirm knowledge of:

- Situations where Observers are likely to use specific equipment items
- Requirements for the correct operational use of equipment items
- Requirements for appropriate storage of equipment items