

PIRFO Draft Competency Standards

NEW PIRFO 3 - 3.01	Identify and manage workplace hazards on board fishing vessels
Prerequisites: nil Descriptor This unit requires that the hazards associated with the normal scope of fishing vessel activities are identified, and that strategies to manage those hazards are put in place. The requirements apply to longline, purse seine, and pole and line fishing operations	
Learning Outcomes	Assessment Criteria
1. Identify and manage hazards related to general fishing vessel operations	1.1 Hazards associated with the general operations of fishing vessels are identified in terms of various work areas on the vessel and situations that arise 1.2 Describe measures to manage the hazards associated with the general operations of fishing vessels 1.3 Hazards associated with being on a fishing vessel during heavy weather are identified 1.4 Procedures and strategies to manage hazards on a fishing vessel during heavy weather are described
2. Identify and manage hazards associated with purse seine fishing operations	2.1 Hazardous areas and situations associated with all aspects purse seine fishing operations are identified 2.2 Procedures and strategies to manage the hazards associated with purse seine fishing operations are described
3. Identify and manage hazards associated with long line fishing operations	3.1 Hazardous areas and situations associated with all aspects long line fishing operations are identified 3.2 Procedures and strategies to manage the hazards associated with long line fishing operations are described
4. Identify and manage hazards associated with pole and line fishing operations	4.1 Hazardous areas and situations associated with all aspects pole and line fishing operations are identified 4.2 Procedures and strategies to manage the hazards associated with pole and line fishing operations are described

PIRFO 3 - 3.01

Evidence and Assessment Guide

<p>Context and Method of assessment</p> <p>Assessment can be conducted at the workplace or in a simulated workplace environment or on an appropriate vessel</p> <p>The following assessment methods are suggested:</p> <ul style="list-style-type: none"> • written or oral short answer testing • practical exercises • project work or assignments • work in small groups • observation of practical demonstration <p>Resources for assessment may include:</p> <ul style="list-style-type: none"> • audio/visual materials • site inspections • videos and DVDs • learning materials 	
Learning Outcome	Evidence Guide
<p>1. Identify and manage hazards related to general fishing vessel operations</p>	<p>1.1 Deck hazards are identified and include – risk of being swept overboard, risk of slipping, risk of open hatches, risk of non-secure equipment</p> <p>1.2 Deck safety procedures are outlined and include – caution in working close to the vessels rails or side, the importance of securing cargo and keeping hatchways closed, the importance of keeping decks clean and non-slippery, the importance of stowing all deck equipment during steaming, the importance of advising the watchkeeper when going on deck alone or at night</p> <p>1.3/4 Procedures to secure decks for heavy weather are clearly identified and include securing of cargo and equipment, correct stowage of equipment, securing of hatchways and doors</p>
<p>2. Identify and manage hazards associated with purse seine fishing operations</p>	<p>2.1 Purse seine fishing operational hazards are identified and include dangers when setting the net (the dangers of moving wire, potential for breaking wire and ropes, the importance of staying clear of the net, rings, and floats during shooting, the dangers of riding turns, the possibility of loose clothing snagging on wire or in blocks, the dangers of moving parts, dangers of machinery failure) and dangers during hauling operations (caution with moving parts, dangers of falling rings and fish during net stacking, dangers of machinery failure)</p> <p>2.2 Purse seine deck safety procedures are summarized including the importance of wearing protective clothing, hard hats, the importance of vessel safety procedures, the importance of working in accordance with the chain of command, and the value of gear and equipment maintenance</p>

PIRFO Draft Competency Standards

	<p>The importance of remaining fully alert while on duty is highlighted and ways of managing fatigue are outlined</p>
<p>3. Identify and manage hazards associated with long line fishing operations</p>	<p>3.1 Longline fishing operational hazards are identified and include – risks when setting gear (getting caught up in rope or line tangles, getting caught up by hooks, slipping on deck due to oily bait) and risks when hauling gear (recoil from broken line or snood, foul hooking from snood, spike or bite from fish, loose deck equipment)</p> <p>3.2 Safe deck practices on longline vessels are outlined including the use of protective clothing, hard hats, clearly identified roles and tasks for each crew member, and maintaining clean decks and correctly stowed equipment</p> <p>The additional dangers of fishing in heavy weather are outlined and include – increased chances of line breaks, damage or injury from waves landing on deck and the increased potential for man overboard situations</p> <p>The importance of remaining fully alert while on duty is highlighted and ways of managing fatigue are outlined</p>
<p>4. Identify and manage hazards associated with pole and line fishing operations</p>	<p>4.1 The hazards associated with pole and line fishing are identified including the dangers from hooks and foul hooking during fishing operations, the dangers of being struck by poled fish, and the risks of being lost overboard</p> <p>4.2 Operational safety arrangements for pole and line fishing are stated including – the importance of protective clothing and equipment and the need for teamwork and coordinated fishing practice</p> <p>The importance of remaining fully alert while on duty is highlighted and ways of managing fatigue are outlined</p>

PIRFO Draft Competency Standards

Underpinning knowledge

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

- the role of fatigue in affecting decision-making and reaction time
- the hazards encountered during general deck operations on a fishing vessel
- the common hazards encountered during purse seine, longline and pole & line fishing operations

Practical skills

The practical skills required to demonstrate competence in this standard are:

- An ability to understand and follow vessel safety procedures;
- Familiarity with risks and hazards arising from fishing operations and fishing practices

Critical aspects of evidence

Assessment must confirm understanding the importance of vessel safety procedures and ability to identify fishing operation risks.

The ability to identify common hazards on the vessel and use appropriate protective clothing and equipment to reduce personal risk is vital, along with the ability to plan work so as reduce exposure to hazards.