



Australian Government

Assessment Requirements for SFIFSH301 Operate vessel deck machinery and lifting appliance

Release: 1

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Modification History

Release	Comments
Release 1	This version released with SFI Seafood Industry Training Package Version 1.0.

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 operated deck machinery and lifting equipment aboard an aquaculture or fishing vessel for at least one lifting or hauling operation, including:

- using and maintaining the appropriate ropes, slings and chains for the operation
- selecting and fitting personal protective equipment
- checking, preparing and safely operating the crane, winch, capstan and/or windlass while maintaining the stability of the vessel
- communicating effectively with others when operating deck machinery and lifting equipment
- performing safe shutdown and storing of machinery and equipment
- completing accurate records of the operation.

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:

- materials and methods of construction of ropes, slings and chains
- physical characteristics and common areas of use of ropes, slings and chains for lifting and hauling operations
- principles relating to vessel lifting and hauling operations, including:
 - relevant industrial agreements, codes of practice or other legislative requirements
 - different configurations of mooring lines for various parts of a vessel
 - hazards that could occur if the operation is not controlled properly
 - relevant health and safety procedures and regulations
 - status of safety equipment
- principles relating to:
 - the correct application of common knots, bends and hitches

- how a vessel is made fast to the wharf, sea cage or another vessel
- mooring systems, including the specific functions of the mooring leads
- how to maintain the stability of a vessel
- procedures relating to:
 - operating of cargo lifting and securing equipment
 - setting up and rigging of lifting equipment on board the vessel
 - operating powered equipment in all modes, including emergency operation
 - operating deck machinery and lifting equipment applications, capacities, configurations, safety hazards and control mechanisms
 - preparing deck machinery for use in ambient conditions
 - problems that arise when operating deck machinery or lifting equipment, and actions that should be taken to prevent or solve them
 - splicing rope and tying common knots, bends and hitches.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a fully operational aquaculture or fishing vessel or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - ropes, slings and/or chains
 - vessel deck machinery and lifting appliances
- specifications:
 - workplace procedures for lifting and hauling operations that include advice on health and safety requirements
 - manufacturer operating and maintenance instructions for deck machinery and lifting equipment
- relationships:
 - evidence of interactions with other crew members.

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

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=e31d8c6b-1608-4d77-9f71-9ee749456273>