



Australian Government

SFIFSH303 Construct nets and customise design

Release: 1

SFIFSH303 Construct nets and customise design

Modification History

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

Application

This unit of competency describes the skills and knowledge required to construct nets used as fish or prawn trawls, purse seines, beach seines, gill nets and the net component of holding cages. It requires the ability to select tools, join netting, attach netting to other components and customise a net design to suit workplace specifications.

This unit applies to individuals who are responsible for constructing fishing nets used for fishing operations.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety, biosecurity and environmental regulations, legislation and standards that apply to the workplace.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Fishing Operations (FSH)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare netting material for construction	1.1 Identify net construction area and organise sufficient space to maximise job efficiency 1.2 Identify net design and source netting and joining material of the correct measurement required for construction

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 Select and prepare netting and tools and personal protective equipment ready for use 1.4 Shape and strengthen netting according to the net design 1.5 Join shaped sections of netting material to ensure secure seams and maintain net symmetry
2. Prepare associated net components for construction	2.1 Identify and source associated net components 2.2 Prepare components ready to secure to netting material or other components 2.3 Organise components ready for use
3. Attach netting material to associated components	3.1 Identify and organise attachment tools and materials ready for use 3.2 Attach netting material securely to attachment component according to specified ratios 3.3 Attach other associated components securely according to net design
4. Customise net design	4.1 Identify and analyse net design regarding suitability for customisation 4.2 Make alterations to the net design to maintain net symmetry and function according to workplace specifications 4.3 Follow net construction processes using the customised net design

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	- Interprets a gear plan - Reads tables describing the effect of tapers on panel shape
Numeracy	- Calculates customisation ratios - Calculates joining and attachment ratios - Counts meshes - Counts the ply of twine

Skill	Description
	Measures the diameter of twine
Navigate the world of work	Takes responsibility for decisions about when and how to complete tasks and coordinate with others
Get the work done	Systematically identifies possible solutions to problems, and selects or recommends the most appropriate solution

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
SFIFSH303 Construct nets and customise design	SFIFISH309B Construct nets and customise design	Updated to meet Standards for Training Packages	Equivalent unit

Links

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

Assessment Requirements for SFIFSH303 Construct nets and customise design

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 constructed two different nets based on each of the following designs:

- a specified net design
- a customised net design.

In completing the above, there must also be evidence of:

- preparing the net construction area and netting materials and tools ready for use
- using personal protective equipment
- using correct methods to strengthen a net
- accurately measuring, cutting out and joining panels of netting
- attaching netting using the net design ratio to the appropriate attachment component.

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:

- principles and types of net designs
- range of netting and net components
- range of tools used for net construction
- operating principles of a net and understanding a net design plan
- factors that contribute to an efficient, fast and safe net construction job, including negative and positive knots to change lifts and impact of drag on fuel efficiencies
- measuring techniques for different types of netting and net attachment hanging ratios, and calculation methods
- netting panel joining and component attachment methods
- principles of net design customisation
- methods of customising a net design to maintain net symmetry and function.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a net construction work setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - access to workplace documentation
 - different types of netting used to construct nets
 - net construction tools
 - personal protective equipment
- specifications:
 - net design specifications
 - workplace procedures for constructing nets.

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>