Modification history

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

| SFIFSH309 | Construct nets and customise design |
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| 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 occupational licensing, legislative or certification requirements apply to this unit at the time of publication. |
| Prerequisite Unit | Nil |
| Unit Sector | Fishing Operations (FSH) |

| Elements | Performance Criteria |
| --- | --- |
| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 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  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. | |
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| Skill | Description |
| Reading | * Interpret a gear plan * Read tables describing the effect of tapers on panel shape |
| Numeracy | * Calculate customisation ratios * Calculate joining and attachment ratios * Count meshes * Count the ply of twine * Measure the diameter of twine |
| Navigate the world of work | * Take responsibility for decisions about when and how to complete tasks and coordinate with others |
| Get the work done | * Systematically identify possible solutions to problems and select or recommend the most appropriate solution |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| SFIFSH309 Construct nets and customise design | SFIFISH309B Construct nets and customise design | Updated to meet Standards for Training Packages | Equivalent unit |

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

| TITLE | Assessment requirements for SFIFSH309 Construct nets and customise design |
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| Performance Evidence | |
| An individual demonstrating competency must satisfy all the elements and performance criteria of this unit. There must be evidence that the individual has constructed two nets on at least one occasion, including:   * constructing one net according to a specified net design * altering a net design and constructing one net using the customised net design.   In completing the above, there must also be evidence of:   * selecting and preparing net construction area, and netting materials and tools ready for use * using correct methods to strengthen a net * measuring, cutting out and joining panels of netting * attaching netting using the net design ratio to the appropriate attachment component * attaching associated components to the net. | |

| Knowledge Evidence |
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| 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 which contribute to an efficient, fast and safe net construction job * 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 |
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| Assessment of this unit of competency 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. |

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