Modification history

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

| SFIVOP202 | Contribute to safe navigation |
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| Application | This unit of competency describes the skills and knowledge required to assist the officer of the watch to safely navigate the vessel and conduct a watch in sole charge of a vessel. It requires the ability to maintain and exchange a watch, monitor the vessel and weather, communicate with crew members and seek and clarify advice when required.  This unit applies to individuals who navigate a small vessel as used in aquaculture, fishing operations or fisheries compliance work where a maritime regulatory certification is not required.  All work must be carried out to comply with workplace procedures, according to state/territory health and safety, food safety, biosecurity and environmental regulations, legislation and standards that apply to the workplace. Licences will be required to operate a vessel.  No occupational licensing, legislative or certification requirements apply to this unit at the time of publication. |
| Prerequisite Unit | Nil |
| Unit Sector | Vessel Operations (VOP) |

| Elements | Performance Criteria |
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| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Perform exchange of watch | 1.1 Ensure information required for the exchange of a watch is complete, accurate and relevant to both personnel and existing circumstances  1.2 Ensure handover and relief of watch conforms to accepted principles and procedures of watchkeeping  1.3 Clarify watch information or instructions that are unclear or ambiguous |
| 2. Contribute to monitoring and controlling a navigational watch | 2.1 Ensure displayed or given lights, shapes and sound signals conform with regulatory requirements  2.2 Maintain lookout at all times according to accepted principles and procedures  2.3 Ensure reports and exchanges of navigational information are clear and concise  2.4 Monitor traffic, the vessel, weather watchkeeping and hazards with appropriate frequency and intensity  2.5 Ensure frequency and degree of performance checks to navigational equipment complies with skipper's and owner's requirements |
| 3. Manoeuvre the vessel when contributing to the efficient running of the watch | 3.1 Make manoeuvres to safely progress the planned voyage and comply with received instructions  3.2 Operate engine control systems to progress the planned passage and complement helm movements  3.3 Steer course steadily within acceptable limits according to the area of navigation and the existing state of aquatic environment  3.4 Ensure course alterations are smooth and controlled with minimal over shoot  3.5 Ensure communication is clear, concise and acknowledged at all times  3.6 Change steering modes according to operating instructions, area, wind and state of aquatic environment, and marine notices  3.7 Ensure vessel steering systems remain within safe operating limits during normal manoeuvres |
| 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 |
| Numeracy | * Interpret navigational data and vessel control information |
| Reading | * Identify buoyage and navigational marks from charts * Read meteorological information and instruments |
| Navigate the world of work | * Follow workplace procedures and safe vessel operating requirements relevant to own role and responsibilities * Understand main tasks, responsibilities and boundaries of own role |
| Interact with others | * Select and use appropriate terminology and questions when communicating with others |
| Get the work done | * Implement standard solutions for routine navigational problems * Access and interpret vessel system controls and indicators |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| SFIVOP202 Contribute to safe navigation | SFISHIP202C Contribute to safe navigation | Updated to meet Standards for Training Packages.  Amendments to elements and performance criteria for clarity. | 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 SFIVOP202 Contribute to safe navigation |
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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 contributed to safe navigation of a small vessel on at least one occasion, including:   * handing over and taking over a navigational watch * monitoring environment, vessel and hazards * maintaining a lookout * exchanging clear and concise navigational information with others * performing basic navigation, monitoring, vessel control and manoeuvres to ensure the safety of a vessel. | |

| 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 procedures relating to: * basic meteorology sufficient to recognise imminent change in the weather and assist in reading meteorological instruments * echo sounding equipment * nautical terminology and the methods of reporting * identification of sources of information * operation of RADAR equipment * responsibilities of a look out * buoyage and navigation mark lights and top marks * buoyage and navigation mark sound signals sufficient for them to be recognised * classes of and responsibilities between vessels * distress signals * give way and stand on rules * sound signals * negotiating buoyage in narrow waters * negotiating traffic * procedures relating to: * assessing the risk of collision by sight and RADAR * bridge communications * bridge control failure * emergency manoeuvres * emergency steering systems * occasions when convention is to seek assistance * use of helm and engines * use of operational controls on an auto pilot * information relating to: * bridge procedures guides * relevant regulations and guidelines. |

| 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 an aquaculture, fishing operations or fisheries compliance workplace where small vessels are used or an environment that accurately represents workplace conditions * resources, equipment and materials: * operational vessel with the range of equipment * facilities for negotiating buoyage systems and traffic * specifications: * workplace procedures for navigating small vessels.   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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