



Australian Government

MARK005 Steer a vessel under direction of the Master

Release: 1

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Modification History

Release 1. New unit of competency.

Application

This unit involves the skills and knowledge required to steer a vessel under the direction of the Master, complying with helm orders.

This unit applies to an individual working as an Integrated Rating or Able Seafarer-Deck on a range of vessels.

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

Pre-requisite Unit

Not applicable.

Competency Field

K – Manoeuvring Vessels

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Steer a steady course within acceptable limits in normal conditions under the direction of the Master

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1 Features of vessel that relate to its handling characteristics are recognised
- 1.2 Navigational equipment is used to steer a steady course
- 1.3 Situational awareness is maintained to ensure safety of vessel
- 1.4 Propulsion equipment is used and monitored to assist in steering a steady course within acceptable limits, having

- regard to the area of navigation and prevailing state of sea
- 1.5 Safe operating limits of propulsion and steering equipment are not exceeded
 - 1.6 Automatic pilot and hand steering are used to steer a steady course, and course is altered smoothly and in a controlled way
 - 1.7 Helm orders are followed and effective communication is maintained with the Master on matters relevant to the safety and integrity of the vessel
- 2 Steer a vessel in adverse weather conditions under the direction of the Master**
- 2.1 Nature of adverse weather conditions is identified and potential impact on the manoeuvrability of the vessel is determined and confirmed with the Master
 - 2.2 Propulsion equipment is used and monitored to assist in steering a steady course within acceptable limits, having regard to the area of navigation and prevailing state of sea
 - 2.3 Safe operating limits of propulsion and steering equipment are not exceeded
 - 2.4 Situational awareness is maintained at all times to review actions and ensure the safety of the vessel
 - 2.5 Automatic pilot and hand steering are used to steer a steady course, and course is altered smoothly and in a controlled way
 - 2.6 Helm orders are followed and effective communication is maintained with the Master on matters relevant to the safety and integrity of the vessel
- 3 Steer a vessel in emergencies under the direction of the Master**
- 3.1 Nature of the emergency is established and required action is determined and confirmed with the Master
 - 3.2 Helm orders are followed and effective communication is maintained with the Master on matters relevant to the safety and integrity of the vessel
 - 3.3 Vessel is steered during the emergency to maintain the safety of the vessel and those on board, and any other vessels or persons involved in the emergency
 - 3.4 Propulsion equipment is used under the direction of the Master and is monitored to assist in completing steering safely

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| | 3.5 | Safe operating limits of propulsion and steering equipment are not exceeded |
| 4 Steer a vessel while towing and being towed under the direction of the Master | 4.1 | Correct towing procedures and precautions are applied when towing and being towed in relation to helm orders |
| | 4.2 | Helm orders are followed and effective communication is maintained with the Master on matters relevant to the safety and integrity of the vessel |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions can be found in the Companion Volume Implementation Guide.

- Emergency includes one or more of the following:
- beaching
 - collision
 - disabled or partially disabled vessel
 - grounding
 - person overboard

Unit Mapping Information

This unit replaces and is equivalent to MARK3002A Steer a vessel under direction of the Master.

MARK3002A replaces and is equivalent to TDMMC1007C Steer a domestic vessel under the direction of the master or officer in charge of the watch.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=772efb7b-4cce-47fe-9bbd-ee3b1d1eb4c2>