



Australian Government

MARN016 Apply general purpose hand skills aboard a commercial vessel

Release: 2

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Modification History

Release 2. This is the second release of this unit of competency in the MAR Maritime Training Package.

- Minor statement changes in unit Application
- Minor statement changes in Assessment Conditions.

Release 1. This is the first release of this unit of competency in the MAR Maritime Training Package.

Application

This unit involves the skills and knowledge required to perform general purpose hand duties on a commercial vessel.

It includes using and maintaining ropes, operating deck machinery and emergency stops, assisting in securing vessel at anchor, assisting in securing and adjusting vessel position during mooring operations, assisting in securing vessel for sea, performing tasks aloft and over vessel side and assisting with safe refuelling operations.

This unit applies to people working in the maritime industry under the general supervision of the Master or Engineer of a commercial vessel in the capacity of a General Purpose Hand.

Licensing/Regulatory Information

Legislative and regulatory requirements are applicable to this unit. This unit is one of the requirements to obtain Australian Maritime Safety Authority (AMSA) certification as a General Purpose Hand Near Coastal as specified in Marine Order 505.

Seafarers seeking certification should check with AMSA.

Pre-requisite Unit

Not applicable.

Competency Field

N – Seamanship

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

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

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| 1 Use and maintain ropes | 1.1 Rope types and common areas of use are correctly identified |
| | 1.2 Ropes are checked for wear and any damage is reported according to workplace procedures |
| | 1.3 Ropes are coiled and stowed correctly |
| | 1.4 Knots and hitches are tied neatly and securely, and are used according to their correct application |
| | 1.5 Ropes are spliced neatly and securely according to their correct application and rope ends are whipped where instructed, to maintain good condition |
| 2 Operate deck machinery and emergency stops | 2.1 Deck machinery is inspected, tested and prepared for operations according to workplace procedures and supervisor instructions |
| | 2.2 Operations are carried out safely according to supervisor instructions, workplace procedures and vessel Safety Management System (SMS) |
| | 2.3 Emergency stops on motor and machinery are operated in response to an emergency situation according to workplace procedures and supervisor instructions |
| 3 Assist in securing vessel at anchor | 3.1 Anchor and equipment are checked and prepared prior to letting go according to workplace procedures and supervisor instructions |
| | 3.2 Instructions provided are complied with in relation to quantity of anchor cable run out or recovered |
| | 3.3 Control of anchor cable during operations is maintained within safe operating limits at all times |
| | 3.4 Anchor and equipment are secured on completion of anchoring operations according to workplace procedures and supervisor instructions |
| | 3.5 Anchoring area is kept free of loose ropes, wires and debris at all times |

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| 4 Assist in securing and adjusting vessel position during mooring operations | 4.1 | Mooring lines and associated equipment are handled safely according to workplace procedures and supervisor instructions |
| | 4.2 | Assistance is provided in implementing mooring plans in accordance with workplace procedures and supervisor instructions |
| | 4.3 | Mooring area is kept free of loose ropes, wires and debris during mooring operations according to workplace procedures and supervisor instructions |
| | 4.4 | Tension on ropes is maintained at an appropriate level for the stage and nature of the operation according to supervisor instructions |
| | 4.5 | Mooring lines are secured according to supervisor instructions and workplace procedures |
| | 4.6 | Equipment malfunction or problems encountered during operations are promptly reported |
| 5 Assist in securing vessel for sea | 5.1 | Cargo and cargo handling equipment are checked to ensure they are stowed securely according to workplace procedures and supervisor instructions |
| | 5.2 | Hatches and openings are checked to ensure they are secured |
| | 5.3 | Maintenance equipment is stowed securely according to workplace procedures, supervisor and manufacturer instructions |
| | 5.4 | Assist in checking vessel equipment according to workplace procedures and supervisor instructions |
| | 5.5 | All mooring lines are stowed securely according to workplace procedures and supervisor instructions |
| | 5.6 | Assist in stowing the gangway according to workplace procedures and supervisor instructions |
| 6 Assist with task aloft and over vessel side | 6.1 | Assist in identifying hazards, assessing risks and implementing control measures according to supervisor instructions and workplace procedures |
| | 6.2 | Assist in preparing area and equipment according to supervisor instructions and workplace procedures |

- 6.3 Required precautions and communications are undertaken when working aloft or over the side
 - 6.4 Tasks are completed safely according to workplace procedures, supervisor instructions and SMS
 - 6.5 Equipment is checked and stored according to workplace procedures
- 7 **Assist with safe refuelling operations**
 - 7.1 All personal protective equipment (PPE) is accessed and used according to workplace procedures
 - 7.2 Safety boundary for the refuelling process is established according to workplace procedures and supervisor instructions
 - 7.3 Supervisor instructions are followed to ensure spill prevention systems are correctly deployed
 - 7.4 Supervisor instructions are followed in completing tasks related to the refuelling or fuel transfer process

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 may be found in the MAR training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to MARN010 Apply general purpose hand skills aboard a vessel.

Links

Companion Volume Implementation Guides are found in VETNet -

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