



Australian Government

MARA016 Contribute to safe cargo operations on offshore support vessels

Release: 1

MARA016 Contribute to safe cargo operations on offshore support vessels

Modification History

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 undertake a range of offshore activities on board an offshore support vessel (OSV).

It includes deck preparation, transfer of deck cargoes, bulk cargo operations and operations with deck equipment within the limits of responsibility of an Integrated Rating and under the direction of the officer in charge or Master.

This unit applies to people working in the maritime industry assigned to specific activities and responsibilities in the capacity of:

- Integrated Rating working offshore.

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 an Integrated Rating working offshore and to meet regulatory requirements this unit must be delivered consistent with Marine Orders and with the relevant sections of the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW).
- Those regulatory requirements include STCW International Maritime Organization (IMO) model course competencies and areas of knowledge, understanding and proficiency, together with the estimated total hours required for lectures and practical exercises. Teaching staff should note that timings are suggestions only and should be adapted to suit individual groups of trainees depending on their experience, ability, equipment and staff available for training.

Pre-requisite Unit

Not applicable.

Competency Field

A – Handling Cargo and Vessel Stability

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.

1 Recognise characteristics of OSV cargo and OSVs to ensure the safe transfer and transport of cargo

- 1.1** Features of various offshore installation types, vessels rig types and operations are outlined
- 1.2** Cargo operations of OSVs are identified
- 1.3** Properties of cargo being transported are identified and their impact on safety, the environment and vessel operations is recognised
- 1.4** Hazards associated with the transport of cargo are clarified according to emergency response documentation
- 1.5** Hazard controls associated with OSV cargo are employed according to organisational procedures

2 Comply with legislative and organisational requirements for safe transfer and transport of OSV cargo

- 2.1** Safety data sheets (SDS)/material safety data sheets (MSDS)/International Maritime Dangerous Goods (IMDG) Code relevant to cargo are accessed and safety management procedures are identified
- 2.2** SDS/MSDS/IMDG Code are interpreted to identify relevant cargo-related hazards to the vessel and to personnel
- 2.3** Legislative, organisational and company-specific requirements are interpreted to identify appropriate actions for safe transfer and transport of cargo

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| | 2.4 | Transfer of cargo is undertaken under direction and within the limits of responsibility of an Integrated Rating |
| 3 | Take precautions to prevent hazards | |
| | 3.1 | Organisational policies and procedures to minimise hazards are identified |
| | 3.2 | Type and severity of hazards posed by OSV cargo is recognised |
| | 3.3 | Transfer and transport of cargo is monitored to prevent hazards |
| | 3.4 | Monitoring equipment, where installed, is regularly inspected and used according to organisational procedures |
| 4 | Respond to hazardous situation | |
| | 4.1 | Source of hazard is identified according to organisational procedures |
| | 4.2 | Risk is assessed considering severity and likelihood of consequences |
| | 4.3 | Control measures to minimise risk are implemented to level of responsibility or referred to appropriate person for permission or further action |
| | 4.4 | Containment procedures are applied where appropriate |
| | 4.5 | Appropriate safety procedures are followed and personal protective equipment (PPE) is used according to organisational procedures |
| | 4.6 | Risk is eliminated where possible |
| 5 | Take precautions to prevent pollution of the environment from the release of liquid or dry bulk cargo | |
| | 5.1 | Procedures to prevent pollution are identified and observed at all times |
| | 5.2 | Measures to prevent pollution during normal and emergency situations are applied according to regulatory requirements and organisational procedures |
| | 5.3 | All relevant information is immediately reported to appropriate persons when a spill is detected or a malfunction has occurred that poses a risk of a spill |

- 5.4** All required spill containment procedures are correctly implemented according to regulatory requirements and organisational procedures

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.

Unit Mapping Information

This unit replaces and is equivalent to MARA007 Contribute to safe cargo operations on offshore support vessels

Links

Companion Volume implementation guide can be found in VetNet -

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