



Australian Government

MARO004 Transmit and receive information by visual signalling

Release: 1

MARO004 Transmit and receive information by visual signalling

Modification History

Release 1. New unit of competency.

Application

This unit involves the skills and knowledge required to transmit and receive information by visual signalling.

This unit applies to a Watchkeeper Deck, a Master up to 500 gross tonnage (GT), a Master up to 80 metres Near Coastal, or a Master Unlimited.

This unit has links to legislative and certification requirements.

Pre-requisite Unit

Not applicable.

Competency Field

O – Watchkeeping

Unit Sector

Not applicable.

Elements and Performance Criteria

Elements describe the essential outcomes.

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

1 Use code to send and receive messages by flashing light

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|-----|--|
| 1.1 | Codes for letters and numerals are correctly recognised |
| 1.2 | Message is correctly coded and sent using a flashing light |
| 1.3 | Message transmitted in code by flashing light is correctly decoded |

2 Use International Code of Signals to send and receive messages with flags

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|-----|--|
| 2.1 | Flags used in the International Code of Signals are correctly recognised |
| 2.2 | Message is correctly coded and sent with flags using the International Code of Signals |
| 2.3 | Message coded and sent with flags using the International Code of Signals is correctly decoded |

- 3 Maintain records of visual communications**
- 3.1 Records of messages sent and received are completed and maintained as required according to regulatory and organisational requirements
 - 3.2 Relevant records are sent to appropriate bodies if requested and copies are filed according to regulatory and organisational requirements
 - 3.3 Documents are stored according to regulatory and organisational requirements

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

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

Range of Conditions

Specifies different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

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

Codes must include:

- Morse Code
- single letter and numeral international code flags

Messages include one or more of the following:

- distress signal SOS
- medical advice
- single letter flag signal codes

Flashing lights include one or more of the following:

- fixed mast installation
- mirrors
- Morse signalling lamp

Unit Mapping Information

This is a new unit. This unit is equivalent to MARO5003A Transmit and receive information by visual signalling.

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for MARO004 Transmit and receive information by visual signalling

Modification History

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least one occasion and include:

- communicating effectively with others, including the Master, when transmitting and receiving information by visual signalling
- keeping records of visual signalling communications
- reading and interpreting maritime regulations relating to visual signalling
- transmitting and receiving by Morse light, distress signal SOS as specified in Annex IV International Regulations for the Prevention of Collisions at Sea and Appendix 1 of the International Code of Signals
- transmitting and receiving messages using flags according to the International Code of Signals
- using the International Code of Signals.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- International Code of Signals
- Australian Maritime Safety Authority (AMSA)
- procedures for sending visual messages with flags using the International Code of Signals
- procedures for using a flashing light to send messages using Morse Code
- visual signalling of single-letter signals as specified in the International Code of Signals
- work health and safety (WHS)/occupational health and safety (OHS) requirements and work practices.

Assessment Conditions

Assessors must satisfy National Vocational Education and Training Regulator (NVR)/Australian Quality Training Framework (AQTF) assessor requirements.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that reflect workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- tools, equipment, machinery, materials and personal protective equipment currently used in industry
- applicable documentation such as legislation, regulations, codes of practice, workplace procedures and operational manuals
- range of relevant exercises, case studies and/or simulations.

Links

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