



Australian Government

MARO012 Transmit and receive information by visual signalling

Release: 2

MARO012 Transmit and receive information by visual signalling

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 re-ordering changes in Knowledge Evidence.

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 transmit and receive information by visual signalling.

This unit applies to people working in the maritime industry in the capacity of:

- Master Unlimited
- Master up to 100 metres in length Near Coastal
- Master up to 500 gross tonnages (GT)
- Watchkeeper Deck.

Licensing/Regulatory Information

Legislative and regulatory requirements are applicable to this unit.

- 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.

Near Coastal Qualifications:

- This unit is one of the requirements to obtain Australian Maritime Safety Authority (AMSA) certification as a Master up to 100 metres Near Coastal as specified in Marine Order 505.

Blue Waters

- This unit is one of the requirements to obtain Australian Maritime Safety Authority (AMSA) certification as a Master of a commercial vessel up to 500 gross tonnage (GT), Master Unlimited or Watchkeeper Deck 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).

Training providers seeking to offer this unit of competency must gain AMSA approval before the unit is offered.

Seafarers seeking certification should check with AMSA.

Pre-requisite Unit

Not applicable.

Competency Field

O – Watchkeeping

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Use code to send and receive messages by flashing light

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

3 Maintain records of visual communications

PERFORMANCE CRITERIA

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

1.1 Morse codes for letters and numerals are correctly recognised

1.2 Message is correctly coded and transmitted using a flashing light

1.3 Message received in code by flashing light is correctly decoded

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 received and decoded

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
4	Use English in written and oral communication	4.1 IMO standard marine communication phrases are used in written and oral form
	4.2	English language nautical publications and messages relevant to the safety of the ship are correctly interpreted or drafted

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 MARO004 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 MARO012 Transmit and receive information by visual signalling

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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 (COLREGs) and Appendix 1 of the International Code of Signals
- transmitting and receiving messages using flags according to the International Code of Signals
- using International Maritime Organization (IMO) Standard Marine Communication Phrases and using English in written and oral terms
- 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:

- Australian Maritime Safety Authority (AMSA)
- IMO Standard Marine Communication Phrases
- International Code of Signals including:
 - morse code
 - single letter and numeral international code flags
- messages including:
 - distress signal SOS
 - medical advice

- single letter flag signal codes
- procedures for:
 - sending visual messages with flags using the International Code of Signals
 - 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 hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

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.

Practical assessment must occur in a workplace, or realistic simulated workplace, under the normal range of workplace conditions.

Simulations and scenarios may be used where situations cannot be provided in the workplace or may occur only rarely, in particular for situations relating to emergency procedures and adverse weather conditions where assessment would be unsafe, impractical or may lead to environmental damage.

Resources for assessment must include access to:

- applicable documentation, such as legislation, regulations, codes of practice, workplace procedures and operational manuals
- tools, equipment, machinery, materials and relevant personal protective equipment (PPE) currently used in industry.

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