



Australian Government

Assessment Requirements for MARA015 Contribute to safe anchor handling and towing operations

Release: 1

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Modification History

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

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:

- following manufacturer recommendations, regulations and vessel operating procedures
- identifying and taking appropriate action to rectify an operational fault
- implementing and working in a safe and controlled manner
- maintaining safe workloads within ships specifications
- selecting and using appropriate machinery and equipment
- undertaking pre-operational checks
- using anchor handling, towing and deck equipment
- using deck machinery
- using deck tools
- using operational techniques for specific location, operation and weather conditions
- using verbal and non-verbal means of communication in a clear and appropriate manner to effectively communicate with other crew members.

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:

- anchor handling and towing equipment, including:
 - capstan winches
 - towing pins
 - towing winches
 - tugger winches
 - wire stoppers/shark jaws
 - working winches
- anchor handling and towing tools, including:
 - anchors
 - buoys (surface and subsea)
 - capstan winches and wires
 - capstans
 - chains
 - connecting links (kenter, baldt, hinge and pear)
 - fibre rope
 - gob arrangements
 - grapnels
 - J hooks
 - oil rig cranes
 - shackles
 - swivels
 - towed barges
 - towed rigs
 - towing pins
 - tugger winches and wires
 - wire stoppers/shark jaws
 - wires (towing and work)
- legislation and guidance affecting anchor handling and towing operations
- operational faults, including:
 - breakage of wire
 - failure of deck tools and equipment
 - machinery breakdowns
- pre-operational checks, including:
 - deck equipment
 - equipment operational readiness
 - inspecting safety guards
 - pre-start and safety checks, including:

- emergency stops
 - oils, greases and lubricants
- safe and controlled manner, including:
 - maintaining safe workloads within ships specifications, including:
 - safe working load (SWL)
 - working load limit (WLL)
 - selecting and using appropriate machinery and equipment
 - using operational techniques for specific location, operation and weather conditions
- safe working procedures
- terminology and abbreviations used in the maritime industry specific to anchor handling and towing operations
- 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.

Practical assessment must occur onboard an Anchor Handling Tug Supply (AHTS) vessel using workplace operational situations, 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.

Links

Companion Volume implementation guide can be found in VetNet -

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