



Australian Government

Assessment Requirements for MARN015

Use seamanship skills on board a vessel

Release: 1

Assessment Requirements for MARN015 Use seamanship skills on board a vessel

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:

- anchoring a vessel in varying weather conditions
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements and safe work practices, including:
 - chemical and biohazard safety
 - lifting techniques and methods of preventing back injury
- coiling and stowing ropes correctly
- handling ropes and wires safely
- handling, stowing and securing dangerous, hazardous and harmful substances and liquids safely
- identifying and correctly using personal protective equipment (PPE)
- lashing and securing moveable equipment, especially on deck, in holds and freezers
- measuring and reporting tank levels correctly by sounding and ullage
- operating anchoring equipment under various conditions, such as anchoring, weighing anchor, securing for sea and in emergencies
- performing:
 - appropriate whippings on ropes and line
 - eye and joining splice in 8-strand multi-plait mooring rope
 - eye splice (with locking tuck) in 6-strand flexible steel wire rope
 - eye splice, joining and a short splice in 3-strand hawser laid rope
- preparing and throwing a heaving line
- securing a vessel at its berth according to operational requirements
- securing from fuelling and transferring operations
- tying a:
 - bowline
 - clove hitch
 - figure-eight knot
 - half hitch
 - reef knot

- rolling hitch, sheet bend and timber hitch
- round turn and two half hitches
- using basic crane, winch and hoist signals
- using knots and hitches and securing arrangements.

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:

- appropriate use and selection of PPE
- basic crane, winch and hoist signals
- capacities, safe working loads and breaking strengths of mooring equipment, including:
 - anchor windlasses
 - bitts
 - bollards
 - capstans
 - chocks
 - mooring wires
 - synthetic and fibre lines
 - winches
- correct application of common knots and hitches
- dangers of working with ropes under tension
- different type of PPE and their application
- function of mooring and tug lines and how each line functions as part of an overall system
- incidents, including:
 - failure of communications systems
 - leakage from faulty valves and hoses
 - tank overflow
- maintenance of different types of rope, wire and chain
- methods of securing cargo, including vehicles, stores and equipment on a vessel before it puts to sea
- preparations for fuelling and transfer operations
- procedures and order of events associated with mooring to a buoy or buoys
- procedures and order of events for making fast and letting go mooring, tug lines and wires
- procedures and order of events for the use of anchors in various operations
- procedures and precautions for safe handling, stowage and securing of cargo and stores, including dangerous, hazardous and harmful substances and liquids
- procedures for connecting and disconnecting fuelling and transfer hoses
- procedures relating to incidents that may arise during fuelling and transferring operations
- purpose and application of lock out tags
- purpose and application of the Australian Dangerous Goods (ADG) Code and International

Maritime Dangerous Goods (IMDG) Code

- purpose of a permit to work and restricted access guidelines
- purpose of safety data sheets (SDS)/material safety data sheets (MSDS)
- relevant WHS/OHS requirements, work practices and pollution control regulation and policies
- safe working practices, procedures and personal shipboard safety when working over the side and working aloft
- types of anchors, principles, method of operation and use in various conditions.

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.

Seamanship 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.

Links

Companion Volume implementation guide can be found in VetNet -

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