



Australian Government

Assessment Requirements for MARN007 Use seamanship skills on board a vessel

Release: 1

Assessment Requirements for MARN007 Use seamanship skills on board a vessel

Modification History

Release 1. New unit of competency.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions 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
- ensuring currency of relevant legislative and regulatory knowledge
- handling ropes and wires safely
- handling, stowing and securing dangerous, hazardous and harmful substances and liquids safely
- identifying and correctly using personal protective equipment
- lashing and securing moveable equipment, especially on deck, in holds and freezers
- measuring and reporting tank levels correctly
- operating anchoring equipment under various conditions such as anchoring, weighing anchor, securing for sea and in emergencies
- performing:
 - eye splice, joining and a short splice in 3 strand hawser laid rope
 - appropriate whippings on ropes and line
 - eye and joining splice in 8 strand multiplait mooring rope
 - eye splice (with locking tuck) in 6 strand flexible steel wire 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 figure-eight knot, reef knot, bowline, half hitch, clove hitch, round turn and two half hitches, rolling hitch, sheet bend and timber hitch
- 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, performance criteria and range of conditions and include knowledge of:

- basic crane, winch and hoist signals
- capacities, safe working loads and breaking strengths of mooring equipment
- correct application of common knots and hitches
- dangers of working with ropes under tension
- different type of personal protective equipment and their application
- function of mooring and tug lines and how each line functions as part of an overall system
- 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 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 or International Maritime Dangerous Goods (IMDG) Code
- purpose of a permit to work and restricted access guidelines
- purpose of safety data sheets (SDSs)/material safety data sheets (MSDSs)
- relevant WHS/OHS requirements, work practices and pollution control regulation and policies
- safe working practices, procedures and personal shipboard safety when working aloft
- safe working practices, procedures and personal shipboard safety when working over the side
- types of anchors, principles, method of operation and use in various conditions.

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the *Standards for Registered Training Organisations* current at the time of assessment.

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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.

Assessment of seamanship skills must occur in workplace operational situations. Where this is not available, in simulated workplace operational situations that replicate workplace conditions.

Resources for assessment include access to:

- relevant documentation including workplace procedures, regulations, codes of practice and operation manuals
- tools, materials and personal protective equipment that replicate and are currently used in industry
- deck equipment and machinery including:
 - bow and stern cargo doors
 - cam lock fittings
 - fast rescue craft davits/workboat davit
 - gangways
 - hatches and hatch covers
 - helidecks
 - hoists
 - pilot ladders
 - rollers
 - rat-guards
 - side doors
 - shark jaws
 - tow pins
- mooring lines and associated equipment including:
 - bitts
 - bollards
 - capstan
 - chocks
 - mooring wires
 - multiplait mooring lines
 - synthetic and fibre lines
 - tug lines and wires
 - winches
 - windlass.

Links

Companion Volume implementation guides are found in VETNet -

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