



Australian Government

Assessment Requirements for MARC057

Perform dogging on board a vessel

Release: 1

Assessment Requirements for MARC057 Perform dogging 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:

- adapting to differences in vessels, equipment and standard operating procedures (SOPs)
- applying different methods for making temporary connections to loads using fibre and synthetic ropes
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements and work practices
- applying risk assessment and hazard control strategies, including hierarchy of control
- appropriately using and selecting personal protective equipment (PPE)
- calculating rated capacity of lifting equipment
- communicating with other personnel through:
 - adopting appropriate worksite protocol
 - fixed channel two-way radio
 - hand signals
 - listening
 - questioning to confirm understanding
 - signage
 - written instructions
- directing crane operators to move loads in a safe manner, using a slewing crane
- inspecting and caring for a wide range of lifting equipment to appropriate Australian Standards and/or manufacturer specifications
- interpreting rated capacity and working load limit tags
- selecting and inspecting lifting equipment, ropes and chains
- splicing natural fibre and synthetic ropes
- taking actions to promptly report and/or rectify accidents, safety incidents and operational problems according to regulations and procedures
- using and maintaining ropes, wires and chains
- using communications signals for directing crane operators to move loads in a safe manner, using a slewing crane, including:
 - hoist down – hand
 - hoist down – whistle

- hoist up – hand
- hoist up – whistle
- luff boom down – hand
- luff boom down – whistle
- luff boom up – hand
- luff boom up – whistle
- slew left – hand
- slew left – whistle
- slew right – hand
- slew right – whistle
- stop – hand
- stop – whistle
- telescope in – hand
- telescope in – whistle
- telescope out – hand
- telescope out – whistle
- working safely and collaboratively with others during lifting operations on a vessel.

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 mathematical procedures for estimating and measuring loads
- appropriate standards relevant to the full range of techniques for undertaking dogging activities, including:
 - International Safety Management (ISM) Code, safety management system (SMS) plans, procedures, checklists and instructions
 - manufacturer specifications
 - relevant Australian and international standards and regulations
 - relevant WHS/OHS requirements and work practices
 - vessel and company procedures
- appropriate selection and use of personal protective equipment (PPE)
- defective equipment, including:
 - broken or stretched wires
 - cut/damaged fibres
 - damaged lifting and associated equipment
 - excessive wear
- work hazards, including:
 - equipment in load path
 - heights

- insufficient lighting
- pedestrian and plant traffic
- radio interference
- sea conditions and weather, including wind, lightning and storms
- trip hazards
- hierarchy of hazard identification and control, including:
 - administrative controls
 - elimination
 - engineering controls
 - isolation
 - substitution
- lifting equipment, including:
 - beam clamps
 - blocks
 - chains
 - eyebolts
 - fibre ropes
 - grabs
 - hoists
 - hooks
 - lifting beams
 - pallet forks and cages
 - personnel boxes
 - plate clamps
 - shackles
 - spreaders
 - tackles
 - trolleys wire ropes
 - winches
- load destination, including:
 - ground
 - loading platforms
 - suspended floors
 - vehicles
 - other vessels and barges
- stability and safety factors of load to be lifted are in line with manufacturer specifications
- site information, including:
 - deck conditions (even, uneven, steel and wood)
 - local conditions, such as access and egress
 - sea conditions

- work method statements
- types of cranes and their functions
- types of knots, bends and hitches in common use, their characteristics, applications and limitations, and methods of tying them using synthetic and fibre rope of varying construction and size
- types of lifting equipment and slinging techniques, and their limitations and performance in a wide range of conditions, including slings (wire and synthetic), beams, accessories, clamps, work boxes, bins and pallets
- use of dunnage
- WHS/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.

Links

Companion Volume implementation guide can be found in VetNet -

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