



Australian Government

Assessment Requirements for MARC032 Perform dogging on board a vessel

Release: 1

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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:

- adapting to differences in vessels, equipment and standard operating procedures
- 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
- calculating rated capacity of lifting equipment
- communicating with other personnel through:
 - 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 action 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 including:
 - stop – hand
 - stop – whistle
 - hoist up – hand
 - hoist up – whistle

- hoist down – hand
- hoist down – whistle
- luff boom down – hand
- luff boom down – whistle
- luff boom up – hand
- luff boom up – whistle
- telescope out – hand
- telescope out – whistle
- telescope in – hand
- telescope in – whistle
- slew left – hand
- slew left – whistle
- slew right – hand
- slew right – 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, performance criteria and range of conditions 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 WHS/OHS requirements and work practices
 - relevant Australian and International Standards and regulations
 - vessel and company procedures
- hierarchy of hazard identification and control:
 - elimination
 - substitution
 - isolation
 - engineering controls
 - administrative controls
- load stability and safety factors in line with manufacturer specifications
- personal protective equipment (PPE)

- procedures for splicing natural fibre and synthetic ropes
- site information including:
 - deck conditions (even, uneven, steel, 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, beams, accessories, clamps, work-boxes, bins and pallets).

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 must occur in workplace operational situations, where this is not available, assessment must occur in a simulated workplace operational situation that replicates workplace conditions.

Resources for assessment include access to:

- a suitable range of dogging, lifting and cargo lashing exercises, case studies and associated resources
- communications equipment including:
 - bells
 - fixed channel two-way radio
 - whistles
- PPE including:
 - gloves
 - hard hat
 - high visibility clothing
 - reflective vest

- safety boots
- relevant and appropriate materials, tools, and equipment that replicates and is currently used in industry for working aloft and over the side including:
 - a range of power and manually operated lifting gear
 - chains, shackles and slings
 - clamps, blocks, eye bolts, turnbuckles, terminators
 - gantlines
 - lifting and rigging ropes and hardware
 - safety harnesses
 - stage
- relevant breathing, hearing, sight, skin and sun protection.

Links

Companion Volume implementation guides are found in VETNet -

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