



Australian Government

MARB023 Maintain marina infrastructure

Release: 1

MARB023 Maintain marina infrastructure

Modification History

Release 1. This is the first release of this unit of competency in the MAR Maritime Training Package Release 3.0.

Application

This unit involves the skills and knowledge required to develop and implement an infrastructure maintenance plan, which includes site, plant and equipment.

This unit applies to individuals working in a marina and undertaking routine maintenance in a marina.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable.

Competency Field

B – Equipment Checking and Maintenance

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1 Prepare for maintenance	1.1 Marina infrastructure that requires regular maintenance is recognised and confirmed with relevant personnel, if required 1.2 Potential risks, hazards and environmental issues are identified and control measures are established 1.3 Appropriate tools and equipment required to undertake maintenance activities are identified and assembled 1.4 In preparation for fire/accident/emergency, relevant

emergency procedures are obtained and interpreted

1.5 Skills and experience of marina personnel required to carry out maintenance are established and duties are allocated

1.6 Maintenance schedule is obtained and interpreted

2 Undertake maintenance

2.1 Personal protective clothing and/or equipment is identified, used and maintained according to workplace procedures

2.2 Firefighting equipment is located, selected and made ready according to workplace procedures

2.3 Work area is prepared according to workplace policies and procedures

2.4 Relevant plant, tools and equipment are prepared and made ready for use

2.5 Maintenance is carried out safely according to workplace policies and procedures

2.6 Safe work practices and environmental requirements are followed

2.7 Work is checked against job requirements and presented to relevant personnel for verification

3 Complete maintenance and clean-up work area

3.1 Work area is cleaned and tools and equipment are stored according to workplace procedures

3.2 Defective or malfunctioning plant, tools, equipment and systems are reported according to workplace procedures

3.3 Maintenance schedule is reviewed and revised if necessary

3.4 All required documentation is completed according to workplace procedures

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Infrastructure requiring regular maintenance includes:

- equipment including:
 - marina trolley
 - straddle carrier
- fendering (fender strip)
- gangways and ramps
- pontoons
- piles
- rollers and rubbing blocks on pile guides
- service pedestals, power/water

Unit Mapping Information

No equivalent unit.

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for MARB023 Maintain marina infrastructure

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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:

- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements and work practices
- identifying hazards and assessing risks appropriate to own work area and job role
- implementing standard operating procedures (SOPs)
- interacting effectively with other personnel on a one-to-one basis and in groups
- planning and organising own work activities
- preparing draft maintenance schedule
- reading and interpreting written information needed to perform basic calculations and establish job requirements.

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:

- common damage that occurs in a marina
- boat types and construction
- efficient and productive use of materials with minimum wastage
- hazards and established control measures associated with the routine task, including housekeeping
- preventive maintenance, benefits and its importance in a marina
- purpose and benefits of regular maintenance in a marina
- roles, responsibility and duties undertaken by marina staff
- site layout
- types of marinas, use, characteristics and features
- types of vessel, size and construction
- use and purpose of SOPs
- workplace policies and procedures
- WHS/OHS practices and procedures.

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.

As a minimum, assessment must satisfy applicable regulatory requirements, which include requirements in 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.

Assessment must occur in a fully operational marina or, where this is not available, in simulated workplace operational situations that reflect workplace conditions where marina maintenance can be applied.

Resources for assessment include:

- dedicated tools and equipment, materials and parts currently used in industry
- protective clothing and equipment including:
 - head protection/helmet
 - hand protection/gloves
 - radiant heat protection/coat
 - foot protection/boots
- relevant information and documentation including:
 - organisational policies and procedures, relevant Acts, regulations, codes of practice, licensing requirements and standards.
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