



Australian Government

MARB059 Undertake basic boatyard operations

Release: 1

MARB059 Undertake basic boatyard operations

Modification History

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

Application

This unit involves the skills and knowledge required to safely perform basic boatyard operations on a variety of vessels, including servicing, repairs, upgrades, maintenance, refits and/or installation.

This unit applies to individuals working in a marina who apply safe work practices when undertaking a range of basic boatyard operations.

This unit applies to individuals who provide assistance under supervision in the operational management of the marina.

Licensing/Regulatory Information

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

Elements describe the essential outcomes.

1 Plan and prepare

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

1.1 Job requirements are identified, interpreted and confirmed with

boatyard operations		relevant personnel, as necessary
2 Conduct boatyard operations	1.2	Appropriate plant, tools and equipment required to undertake maintenance activities are identified and assembled according to workplace procedures
	1.3	Hazards are identified, risks assessed, and control measures implemented according to supervisor instructions and workplace procedures
	1.4	Safety data sheets (SDS) are accessed, interpreted and followed according to workplace procedures
	2.1	Relevant work health and safety (WHS)/occupational health and safety (OHS) policies and procedures, including reporting, are followed
	2.2	Personal protective equipment (PPE) is identified, selected and used according to workplace policies and procedures
	2.3	Workplace procedures and supervisor instructions are followed at all times
	2.4	Protection by barricades and warning signage of restricted access work areas are prepared in accordance with workplace policies and procedures
	2.5	Signage and utilisation of all other work areas are prepared in accordance with workplace policies and procedures
	2.6	Relevant plant, tools and equipment are prepared and checked for function according to workplace policies, procedures and manufacturer's instructions
	2.7	Work activity is carried out according to workplace policies and procedures and verified by relevant personnel
	2.8	High-risk equipment for which separate licences are required to

		operate are identified and verified with relevant personnel
3	Complete boatyard operations and clean up work area	
	3.1	Waste and scraps are removed and material that can be reused is collected and stored
	3.2	Plant, tools and equipment and work area are cleaned and inspected according to workplace procedures and manufacturer's instructions
	3.3	Defective or malfunctioning plant, tools, equipment and systems are reported according to workplace procedures
	3.4	Plant, tools and equipment are stored and cleaned according to workplace procedures, manufacturer instructions and supervisor instructions
	3.5	Hazardous materials and substances are identified, handled and stored according to workplace policies, procedures and supervisor instructions
	3.6	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.

Non-essential conditions can be found in the MAR Maritime Training Package Companion Volume Implementation Guide.

Boatyard operations include one or more of the following:

- hauling and blocking vessels
- maintaining and repairing vessels
- maintaining equipment and facilities
- pressure washing and antifouling vessels

Hazards include:

- refit or installation
- batteries
- boat ramps
- chemicals and cleaning agents
- falling into water
- forklift accidents
- moving to and from the wash down bay
- moving vessels on and off the hardstand
- noise, dust and working outdoors
- slipping vessels
- standing vessels
- tripping hazards
- vessels entering and exiting the straddle carrier (lifting and relaunching)
- working with heights

Unit Mapping Information

This unit replaces and is not equivalent to MARB024 Undertake basic boatyard operations

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 MARB059 Undertake basic boatyard operations

Modification History

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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 problem-solving techniques when conducting routine boatyard operations
- applying relevant regulations, work health and safety (WHS)/occupational health and safety (OHS) requirements, workplace policies, procedures and safe work practices
- communicating effectively relevant to own work responsibilities with relevant personnel and supervisor
- completing tasks within designated timeframes and according to workplace policies, procedures and supervisor instructions
- following relevant personnel, supervisor and manufacturer's instructions
- identifying hazards and assessing risks appropriate to own work area, job role and according to supervisor and workplace instructions
- planning and organising sequence of own work activities
- reading and interpreting written information needed to perform basic calculations and establish job requirements
- selecting and using correct personal protective equipment (PPE), plant, tools and equipment for boatyard operations
- testing, tagging out and reporting of faulty equipment.

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:

- boat carriage, including:
 - crane/gantry
 - forklift
 - rail slipway
 - straddle carrier/boat hoist
 - transporter

- trailer
- boat types and construction
- different types of boat carriage and their use
- efficient and productive use of materials with minimum wastage
- handling of dangerous goods, hazardous flammable or explosive substances
- hazards and established control measures associated with routine tasks, including housekeeping
- safety data sheets (SDS)
- safety signage and correct use of safety signage
- site layout
- types of vessel storage, including cradles, stands and concrete blocks
- WHS/OHS practices and procedures, including safe work practices relevant to handling electrical equipment in marinas
- workplace documentation, including tool registers and tag-out registers
- workplace policies and procedures.

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.

Assessment must occur in workplace operational situations, where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Resources for assessment must include access to:

- applicable documentation such as workplace policies and procedures, regulations, codes of practice, operation manuals, SDS and manufacturer instructions
- tools, equipment, machinery, materials and relevant PPE currently used in industry.

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