



**Australian Government**

# **MARB015 Maintain firefighting appliances**

**Release: 1**

# MARB015 Maintain firefighting appliances

## Modification History

Release 1. New unit of competency.

## Application

This unit involves the skills and knowledge required to maintain firefighting equipment. It includes following a maintenance program, working safely, carrying out maintenance and completing necessary maintenance documentation.

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

|                                           |     |                                                                                                                                                                                                                  |
|-------------------------------------------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1 Prepare to carry out maintenance</b> | 1.1 | Details of firefighting equipment and systems are ascertained from manufacturer documentation and equipment certification documentation                                                                          |
|                                           | 1.2 | Extent of maintenance to be conducted is established from maintenance schedule                                                                                                                                   |
|                                           | 1.3 | Tools, equipment and testing devices needed to carry out maintenance work are obtained and checked for correct operation and safety                                                                              |
| <b>2 Carry out maintenance</b>            | 2.1 | Work is carried out according to maintenance schedule to ensure all items are correctly maintained                                                                                                               |
|                                           | 2.2 | Equipment and systems are checked and tested according to established procedures to determine whether it functions correctly, complies with approval documentation and is not subject to deterioration or damage |

- |                                                                  |     |                                                                                                                                                                       |
|------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                  | 2.3 | Equipment and systems are adjusted or repaired within limits permitted by equipment certification and according to manufacturer instructions                          |
|                                                                  | 2.4 | Certification documentation for replacement equipment and systems is sighted to ensure it is identical to equipment it replaces, according to regulatory requirements |
|                                                                  | 2.5 | Equipment being withdrawn from service is isolated safely according to regulatory requirements                                                                        |
|                                                                  | 2.6 | Spare equipment is maintained and suitably stored where it is not likely to suffer deterioration or damage                                                            |
| <b>3 Complete maintenance work inspections and documentation</b> | 3.1 | Detailed inspection of equipment and systems subject to maintenance work is arranged according to regulatory requirements                                             |
|                                                                  | 3.2 | Results of inspections and maintenance activities are recorded according to regulatory and organisational requirements                                                |
|                                                                  | 3.3 | Appropriate personnel are notified of completion of maintenance and details are documented according to regulatory and organisational requirements                    |

## 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.

- |                                                  |                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting equipment and systems must include: | <ul style="list-style-type: none"><li>• closing appliances</li><li>• fire pumps and fire main systems</li><li>• fixed fitted detection and suppression systems</li><li>• fixed installations</li><li>• foam applicators</li><li>• hoses</li><li>• international ship-to-shore connection</li></ul> |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

- Deterioration or damage must include:
- nozzles
  - portable and semi-portable extinguishers
  - remote shut-offs
  - stretchers/ropes and lines
  - incorrect stowage of equipment
  - lack of required maintenance

## Unit Mapping Information

This unit replaces and is equivalent to MARB3001A Maintain firefighting appliances.

## 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 MARB015 Maintain firefighting appliances

## 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:

- adapting to variations in firefighting equipment and systems on different vessels
- applying relevant work health and safety/occupational health and safety (WHS/OHS) requirements and work practices
- following procedures to maintain firefighting equipment and systems
- interpreting technical specifications related to maintaining firefighting equipment and systems
- identifying faults and problems related to maintaining firefighting equipment and systems
- taking appropriate action to prevent pollution of marine environment.

## 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:

- faults that can occur with firefighting equipment and systems
- fire pumps and fire main systems
- fixed installations, closing appliances and remote shut-offs
- ISM Code safety management system
- organisational policies and procedures related to maintaining firefighting equipment and systems
- recommended maker instructions for repair equipment
- relevant regulations and codes of practice related to maintaining firefighting equipment and systems
- statutory and organisational requirements for documentation related to maintaining firefighting equipment and systems
- uses of hoses and nozzles
- valid survey certificates
- WHS/OHS requirements and work practices

## Assessment Conditions

Assessors must satisfy National Vocational Education and Training Regulator (NVR)/Australian Quality Training Framework (AQTF) assessor requirements.

Assessment must satisfy the National Vocational Education and Training Regulator (NVR)/Australian Quality Training Framework (AQTF) standards.

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 or where these are not available, in simulated workplace operational situations or an industry-approved marine operations site that replicates workplace conditions where maintaining firefighting appliances can be applied.

Resources for assessment include access to:

- relevant documentation including workplace procedures, regulations, codes of practice and operation manuals
- tools, equipment, materials and personal protective equipment currently used in industry to maintain firefighting equipment.
- Performance should be demonstrated consistently over time and in a suitable range of contexts.

## Links

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