



**Australian Government**

# **MARB010 Plan and supervise routine maintenance on a vessel up to 80 metres**

**Release: 1**

# MARB010 Plan and supervise routine maintenance on a vessel up to 80 metres

## Modification History

Release 1. New unit of competency.

## Application

This unit involves the skills and knowledge required to implement a maintenance program for a vessel up to 80 metres.

This unit applies to people working in the maritime industry on a range of vessels up to 80 metres.

This unit has links to legislative and certification requirements.

## Pre-requisite Unit

Not applicable.

## Competency Field

B – Equipment Checking and Maintenance

## Unit Sector

Not applicable.

## Elements and Performance Criteria

Elements describe the essential outcomes.

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

### 1 Develop maintenance program

- 1.1 Planned maintenance system is accessed to establish maintenance requirements for vessel
- 1.2 Maintenance program for vessel is developed to meet requirements of planned maintenance system
- 1.3 Maintenance schedules and budgets are identified
- 1.4 Suggestions that support effective implementation of maintenance program are offered according to organisational procedures
- 1.5 Strategies to minimise impact of maintenance activities on

- vessel operations are identified
- 2 Implement maintenance program**
    - 2.1 Routine maintenance activities are proposed and prioritised in conjunction with others involved in or affected by maintenance work
    - 2.2 Routine maintenance activities are allocated within scheduled timeframes and budgets according to organisational procedures
    - 2.3 Vessel operations are maintained where possible without interruption
    - 2.4 Safety of crew is maintained at all times according to relevant legislation and organisational procedures
    - 2.5 Requests for assistance from crew to complete maintenance activities are responded to promptly
  - 3 Identify failed or unsafe machinery and equipment**
    - 3.1 Faulty machinery and equipment is identified and clear and noticeable warning signs are erected according to organisational procedures
    - 3.2 Failed or unsafe machinery and equipment is assessed according to organisational procedures
    - 3.3 Repairs are allocated to appropriate crew members according to organisational procedures
    - 3.4 Unsafe machinery and equipment which cannot be repaired is promptly tagged and isolated according to organisational procedures
    - 3.5 Unsafe machinery and equipment is promptly reported according to organisational procedures
    - 3.6 Reports on all repair work undertaken are completed according to organisational procedures
  - 4 Monitor supplies**
    - 4.1 Supply and stock levels are maintained to ensure ongoing availability
    - 4.2 Management of supplies is undertaken according to organisational procedures
    - 4.3 Supply and stock levels are reconciled and any discrepancies are rectified or reported
    - 4.4 Supply records are maintained according to organisational procedures

## Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

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

## Range of Conditions

Specifies different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

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

Planned maintenance system must include:

- anchoring equipment
- communications equipment
- compliance with applicable mandatory rules and regulations, including work health and safety (WHS)/occupational health and safety (OHS) and environment protection legislation
- continuous improvement and review procedures
- document control procedures
- firefighting equipment
- identifying hazards and risk management
- lifesaving equipment
- navigation equipment
- procedures for updating and correcting charts, publications and electronic chart information
- provision of safe practices in vessel operation and a safe working environment
- reference to applicable codes, guidelines and standards
- steering gear
- systems for recording completed maintenance schedules, including identification of defective equipment and rectification of defects

Maintenance program

- lines of communication and relationship between vessel and

must include:

owner

- periodic survey requirements
- procedure for programmed maintenance of hull and machinery
- regular inspection of all equipment referred to in planned maintenance system
- routine maintenance as contained in manufacturer instruction manuals and drawings
- safety and environmental policy

Routine maintenance activities include one or more of the following:

- checking life saving appliances
- inspecting breathing apparatus
- navigational equipment
- operation of emergency firefighting equipment including fire hoses and nozzles
- servicing equipment as required by service manuals and manufacturer instructions relating to vessel equipment
- testing communication equipment, including distress calling
- testing lifting equipment

Machinery and equipment includes one or more of the following:

- fire pumps
- navigational equipment
- steering gear and emergency steering gear
- winches and windlasses

Management of supplies include one or more of the following:

- issue
- purchase
- receipt
- stock control
- storage

## Unit Mapping Information

This is a new unit. This unit is equivalent to MARB4005A Plan and supervise routine maintenance on a vessel up to 80 metres.

## Links

Companion Volume implementation guides are found in VETNet -

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