



**Australian Government**

# **MEM25007 Maintain marine vessel surfaces**

**Release: 1**

# MEM25007 Maintain marine vessel surfaces

## Modification History

Release 1. Supersedes and is equivalent to MEM25007B Maintain marine vessel surfaces

## Application

This unit of competency defines the skills and knowledge required to perform cosmetic maintenance/repair of marine vessel surfaces during routine maintenance-related inspection of hull and superstructure sectors, surfaces and fittings.

Where repair of marine surfaces and structures is required to be carried out unit MEM25008 Repair marine vessel surfaces and structures should also be selected.

Where slipping is required, or when working on a slipped craft unit MEM25014 Perform marine slipping operations should also be selected.

Where relevant units related to specific applications and materials are required appropriate units should also be selected.

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

**Band: A**

**Unit Weight: 4**

## Pre-requisite Unit

MEM11011	Undertake manual handling
MEM13003	Work safely with industrial chemicals and materials
MEM13015	Work safely and effectively in manufacturing and engineering
MEM16006	Organise and communicate information
MEM18001	Use hand tools
MEM18002	Use power tools/hand held operations

## Competency Field

Marine craft construction

## Elements and Performance Criteria

Elements describe the essential outcomes.

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

- |   |  |     |  |
|---|--|-----|--|
| 1 | <b>Determine job requirements</b>                              | 1.1 | Follow standard operating procedures (SOPs)                                    |
|   |  | 1.2 | Comply with work health and safety (WHS) requirements at all times             |
|   |  | 1.3 | Use appropriate personal protective equipment (PPE) in accordance with SOPs    |
|   |  | 1.4 | Identify job requirements from specifications, job sheets or work instructions |
|   |  | 1.5 | Identify sectors, surfaces and fittings requiring inspection                   |
|   |  | 1.6 | Establish condition of sectors/surfaces and fittings                           |
|   |  | 1.7 | Establish appropriate cosmetic maintenance/repair requirements and methods     |
|   |  | 1.8 | Identify and take action to minimise risks associated with toxic materials     |
|   |  |     |  |
| 2 | <b>Clean and prepare vessel sectors and surfaces</b>           | 2.1 | Select and use correct cleaning tools, equipment and materials                 |
|   |  | 2.2 | Clean fittings and prepare for maintenance                                     |
|   |  | 2.3 | Ensure surfaces and sectors are cleaned and free of contaminants               |
|   |  |     |  |
| 3 | <b>Perform cosmetic maintenance/repair and finish surfaces</b> | 3.1 | Prepare surfaces, fill and fair ready for finishing                            |
|   |  | 3.2 | Confirm compatibility of re-coating material                                   |
|   |  | 3.3 | Select and apply material coatings   |
|   |  | 3.4 | Maintain/replace fittings, as appropriate                                      |
|   |  | 3.5 | Clean tools and equipment and store according to SOPs                          |
|   |  | 3.6 | Re-coat surfaces, where applicable   |

Elements describe the essential outcomes.

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

- 3.7 Sand surfaces and buff/polish to specification, where applicable

## Foundation Skills

This section describes those required skills (reading, writing, oral communication and numeracy) that are essential to workplace performance in this unit of competency.

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

## Range of Conditions

This field allows for 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.

**Surfaces include one (1) or more of the following:**

- fibre reinforced plastics
- timber
- metal

**Cosmetic maintenance/ repair includes one (1) or more of the following:**

- chips in fibre reinforced plastics
- minor corrosion in metal
- caulking in timber surfaces
- wear and corrosion of fittings

**Cleaning tools, equipment and materials include one (1) or more of the following:**

- hand scrapers and scouring pads
- hand held power tools
- abrasive materials and equipment and associated dust extraction accessories
- high-pressure blast cleaning equipment
- chemical cleaners, including acid wash, solvent and detergents

## Unit Mapping Information

Release 1. Supersedes and is equivalent to MEM25007B Maintain marine vessel surfaces

## **Links**

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>