



Australian Government

MEM25015 Assemble and install equipment and accessories/ancillaries

Release: 1

MEM25015 Assemble and install equipment and accessories/ancillaries

Modification History

Release 1. Supersedes and is equivalent to MEM25015A Assemble and install equipment and accessories/ancillaries

Application

This unit of competency defines the skills and knowledge required to assemble and install equipment and ancillaries/accessories.

Work is undertaken using new external and internal locations and sites and foundations, footings, beds and framework are completed prior to installation practices.

It does not cover installation requiring substantial modification to the existing site or where components are replaced by the same or similar type.

Where production-related assembly work is undertaken unit MEM03002 Perform precision assembly should also be selected.

Where installation requires substantial modification to the existing site, and is being replaced by the same or similar type unit MEM10006 Install machine/plant should also be selected.

Where load shifting equipment is required to be used unit MEM11010 Operate mobile load shifting equipment should also be selected.

Where positions are determined, alignments are undertaken and testing within manufacturer specifications is required unit MEM25012 Install and test operations of marine auxiliary systems should also be selected.

This unit should not be selected if unit MEM03002 Perform precision assembly has already been selected.

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

Band: A

Unit Weight: 2

Pre-requisite Unit

MEM09002	Interpret technical drawing
MEM11011	Undertake manual handling
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	Determine job requirements	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, drawings, job sheets or work instructions
2	Inspect and prepare the installation site	2.1	Check site for location, dimension and levels using appropriate measuring equipment
		2.2	Report non-compliance with specification to appropriate authority
		2.3	Undertake alteration and correction with approval of appropriate authority
		2.4	Prepare all surfaces, materials and components for use
3	Install machinery/ plant and equipment	3.1	Carry out work in accordance with site procedures and legislative requirements
		3.2	Prepare machine/equipment components for correct sequential installation
		3.3	Install machinery/plant or equipment in accordance with

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manufacturer and site specifications

- 3.4 Undertake routine modification/alterations to operating procedures, where required
- 3.5 Level, align, connect machine/equipment or couple, where required (excluding electrical connections)
- 3.6 Clean site and clear all debris and leave in safe state

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.

Machine/equipment components include one (1) or more of the following:

- toe rails
- cleats
- bollards
- bow-rollers
- fairleads
- stanchions
- railings
- non-powered and powered winches
- engines and driving mechanisms
- auxiliary power plants
- desalinating units
- stabiliser units
- powered/non-powered davits
- pumps
- compressors

Unit Mapping Information

Release 1. Supersedes and is equivalent to MEM25015A Assemble and install equipment and accessories/ancillaries

Links

Companion Volume implementation guides are found in VETNet -

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