



Australian Government

MEM18008 Balance equipment

Release: 2

MEM18008 Balance equipment

Modification History

Release 2. Quantum of hours of workplace practice removed. Supersedes and is equivalent to MEM18008 Balance equipment (Release 1).

Release 1. Supersedes and is equivalent to MEM18008B Balance equipment.

Application

This unit of competency defines the skills and knowledge required to check the balance and balancing of equipment.

Balancing may include the addition or removal of material and all specifications for machine operation and degree of balance to be supplied.

Where wheel and tyre balancing is required unit MEM27029 Maintain wheels and tyres should be 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
MEM12023	Perform engineering measurements
MEM12024	Perform computations
MEM13015	Work safely and effectively in manufacturing and engineering
MEM14006	Plan work activities
MEM16006	Organise and communicate information
MEM18001	Use hand tools
MEM18002	Use power tools/hand held operations
MEM18003	Use tools for precision work

MEM18006	Perform precision fitting of engineering components
MEM18055	Dismantle, replace and assemble engineering components

Competency Field

Maintenance and diagnostics

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	Check balance	2.1	Apply principles of equipment balance testing
		2.2	Select most appropriate balancing check procedure
		2.3	Set up component correctly and to site/manufacture's procedures for balance check
		2.4	Determine balance/out-of-balance and compare to specification requirements
		2.5	Record out-of-balance readings to prescribed procedures
3	Balance equipment	3.1	Apply principles and methods of rigid and/or flexible rotation balancing
		3.2	Use techniques of single and/or multi-plane balancing appropriate to application

Elements describe the essential outcomes.

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

3.3 Balance equipment utilising correct procedures

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.

Equipment includes one (1) or more of the following:

- static balancing machines
- sophisticated electronic dynamic balancing machines

Unit Mapping Information

Release 2. Supersedes and is equivalent to MEM18008 Balance equipment (Release 1).

Release 1. Supersedes and is equivalent to MEM18008B Balance equipment.

Links

Companion Volume implementation guides are found in VETNet -

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