



Australian Government

MEM07001 Perform operational maintenance of machines/equipment

Release: 1

MEM07001 Perform operational maintenance of machines/equipment

Modification History

Release 1. Supersedes and is equivalent to MEM07001B Perform operational maintenance of machines/equipment

Application

This unit of competency defines the skills and knowledge required to carry out programmed safety and maintenance checks on machines/equipment.

It applies in a manufacturing setting where routine programmed operational maintenance to machines/equipment is required. It is not intended to be used where higher level maintenance activities are performed.

This unit should not be selected when any of the following are selected:

- MEM07005 Perform general machining
- MEM18006 Perform precision fitting of engineering components
- MEM18055 Dismantle, replace and assemble engineering components.

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

Band: A

Unit Weight: 2

Pre-requisite Unit

MEM11011	Undertake manual handling
MEM13015	Work safely and effectively in manufacturing and engineering
MEM16006	Organise and communicate information
MEM18001	Use hand tools

Competency Field

Machine and process operations

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, job sheets or work instructions
2	Undertake programmed maintenance	2.1	Remove/replace consumable components according to procedures
		2.2	Make adjustments to meet specifications following SOPs
		2.3	Replace and/or top up fluids and lubricants

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, accessibility of the item, and local industry and regional contexts) are included.

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

- manual
- semi-automatic and automatic machines of a stand-alone, continuous production or process nature

Checks include one (1) or more of the following:

- programmed safety and maintenance checks
- adjustments of a limited nature, including:
 - safety guards

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, accessibility of the item, and local industry and regional contexts) are included.

- stops
- wear pads and tool holders
- nipping up glands
- adjustment of scrappers and aprons

Consumable components include one (1) or more of the following:

- air filters
- oil wipers
- grease containers
- tool tips
- indicator globes
- fluids and lubricants
- guides
- limit switch actuators

Unit Mapping Information

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Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for MEM07001 Perform operational maintenance of machines/equipment

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria on at least two (2) occasions and include:

- following work instructions, standard operating procedures (SOPs) and safe work practices
- identifying necessary maintenance requirements on a range of machines and equipment used in a manufacturing environment
- carrying out programmed maintenance to meet specifications according to SOPs
- reporting/recording on necessary routine maintenance carried out according to SOPs.

Knowledge Evidence

Evidence required to demonstrate the required knowledge for this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- programmed operational maintenance and safety check procedures for the specified machine/equipment
- recording and reporting requirements for programmed operational maintenance.

Assessment Conditions

- Assessors must:
 - have vocational competency in performing operational maintenance of machines and equipment at least to the level being assessed with relevant industry knowledge and experience
 - satisfy the assessor requirements in the *Standards for Registered Training Organisations 2015* or its replacement and comply with the *National Vocational Education and Training Regulator Act 2011*, its replacement or equivalent legislation covering VET regulation in a non-referring state/territory as the case requires

- Where possible assessment must occur in operational workplace situations. Where this is not possible or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment that reflects realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications
- 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.

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