MEM07028 Operate computer controlled machines and processes

Release: 1

MEM07028 Operate computer controlled machines and processes

Modification History

Release 1. Supersedes and is equivalent to MEM07028B Operate computer controlled machines/processes

Application

This unit of competency defines the skills and knowledge required to operate and monitor a range of numerically controlled (NC), computer numerically controlled (CNC) and robot operated machines or processes in a production environment.

Technical difficulties are resolved in consultation with appropriate technical advisers.

Where operational maintenance is required to be performed unit MEM07001 Perform operational maintenance of machines/equipment should also be selected.

Where the interpretation of technical drawings is required unit MEM09002 Interpret technical drawing should also be selected.

Where the selection and use of engineering measurement is required unit MEM12023 Perform engineering measurements should also be selected.

Where the selection and use of tools is required unit MEM18001 Use hand tools and unit MEM18002 Use power tools/hand held operations, should also be selected as appropriate.

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

Band: A

Unit Weight: 2

Pre-requisite Unit

MEM07024   Operate and monitor machine and process

MEM11011   Undertake manual handling

MEM13015   Work safely and effectively in manufacturing and engineering

MEM16006   Organise and communicate information

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 **Conduct pre-start checks**	2.1	Undertake pre-start checks to SOPs
	2.2	Check all safety equipment for correct operation
3 **Operate computer controlled machine/process**	3.1	Select installed computer controlled program and verify in accordance with job instructions
	3.2	Operate computer controlled machine to product specifications
	3.3	Identify and report machine malfunctions
	3.4	Check production samples for compliance to specification
4 **Monitor machine/process**	4.1	Monitor tool wear and, where appropriate, replace pre-set tools and identify tool offsets in computer controlled program and adjust, or take other corrective action according to procedures
	4.2	Report product deviation from specification in accordance with SOPs

Innovation and Business Skills Australia

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.

Unit Mapping Information

Release 1. Supersedes and is equivalent to MEM07028B Operate computer controlled machines/processes

Links

Companion Volume implementation guides are found in VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2