



Australian Government

MEM30019 Use resource planning software systems in manufacturing

Release: 1

MEM30019 Use resource planning software systems in manufacturing

Modification History

Release 1. Supersedes and is equivalent to MEM30019A Use resource planning software systems in manufacturing.

Application

This unit of competency defines the skills and knowledge required to access and use enterprise resource planning (ERP), material requirements (or resource) planning (MRP) software systems that are used in conjunction with just-in-time (JIT) techniques. Systems provide information to support production operations such as master production schedules, materials requirement plans, capacity requirement plans, bills of material, inventory control and statistics, order actions and schedules.

The unit applies to engineering or related activities and is suitable for people giving technical support in manufacturing or engineering operations and those pursuing technical qualifications and careers at paraprofessional or technician level. All work is carried out under supervision.

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

Pre-requisite Unit

MEM13015 Work safely and effectively in manufacturing and engineering

MEM16006 Organise and communicate information

MEM16008 Interact with computing technology

Competency Field

Engineering technician

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Use software interface	1.1 Follow standard operating procedures (SOPs) and comply with work health and safety (WHS) requirements at all times 1.2 Use hardware peripherals appropriately to access system

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 Navigate the system and the screens using software features 1.4 Acknowledge messages in accordance with procedures 1.5 Process information in the required format
2. Access information	2.1 Obtain relevant data and information from the system 2.2 Identify the status of items in the system 2.3 Access historical data and information 2.4 Interpret information and prioritise actions
3. Take appropriate actions	3.1 Take actions in response to resource planning information in regard to production schedules, materials management, purchasing and ordering and transport and logistics 3.2 Conduct required follow-up to ensure anticipated results have occurred 3.3 Record adjustments and variations in accordance with procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

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.

Software systems include:	<ul style="list-style-type: none"> • Enterprise resource planning (ERP) • Material requirements (or resource) planning MRP • similar software programs.
Appropriate actions needed as a result of information obtained from resource planning software	<ul style="list-style-type: none"> • production schedules • materials management • purchasing and ordering • transport and logistics.

include:	
Resource planning information includes:	<ul style="list-style-type: none">• information from ERP, MRP or similar systems that provide information on:<ul style="list-style-type: none">• master production schedule• materials requirement plan• capacity requirement plan• bills of material• inventory control and statistics• order action• schedules.

Unit Mapping Information

Release 1. Supersedes and is equivalent to MEM30019A Use resource planning software systems in manufacturing.

Links

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