



Australian Government

MEM30016 Assist in the analysis of a supply chain

Release: 1

MEM30016 Assist in the analysis of a supply chain

Modification History

Release 1. Supersedes and is equivalent to MEM30016A Assist in the analysis of a supply chain.

Application

This unit of competency defines the skills and knowledge required to assist in the analysis of value adding and non-value adding activities within the supply chain, including assisting in mapping the supply stream for a nominated product/process and assisting in assessing the value added at each step. The supply stream encompasses raw materials, processing and all tiers of the supply chain.

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

Nil

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. Assist in mapping the supply stream for product or process	1.1. Follow standard operating procedures (SOPs) and comply with work health and safety (WHS) requirements at all times 1.2. Identify all organisations in the supply stream including the entire supply system, beginning with the raw materials, processing and all tiers of the supply chain 1.3. Identify all relevant steps in own organisation
2. Assist in assessing the	2.1. Identify value added and contributed by each supplier organisation

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
value added at each step	2.2. Identify value added by each internal step by measuring its contribution to features and customer benefits in accordance with enterprise definitions 2.3. Identify activities which do not add value, including excess production and early production, delays, movement and transport, poor process design, inventory, inefficient performance of a process and making defective items 2.4. Liaise with external and internal supply chain members to identify methods to reduce non-value adding activities 2.5. Collate and assess information 2.6. Record suggestions for improvements and submit for approval

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.

Supply stream includes:	• raw materials • processing and production • delivery • return.
Value added includes:	• customer benefits • product features • company definitions.
Non-value adding activities include:	• excess production and early production • delays • movement and transport • poor process design • inventory

	• inefficient performance of a process • making defective items.
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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>