



Australian Government

Department of Education, Employment and Workplace Relations

MEM30016A Assist in the analysis of a supply chain

Release: 1

MEM30016A Assist in the analysis of a supply chain

Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit covers assisting in the analysis of value adding and non value adding activities within the supply chain.
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Application of the Unit

Application of the unit	<p>The unit applies to all fields of engineering and manufacture. The skills defined by this unit would normally be exercised under supervision.</p> <p>Band: 0</p> <p>Unit Weight: 0</p>
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Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Assist in mapping the supply stream for a nominated product/process	1.1. All organisations in the supply stream are identified. 1.2. All relevant steps in own organisation are identified.
2. Assist in assessing the value added at each step	2.1. Value added and contributed by each supplier organisation is identified. 2.2. Value added by each internal step is identified. 2.3. Activities which do not add value to customer benefit/features are identified. 2.4. External/internal supply chain members are liaised with to identify methods to reduce non value adding activities. 2.5. Information is collated and assessed. 2.6. Suggestions for improvements are recorded and submitted for approval.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

Look for evidence that confirms skills in:

- communicating
- planning
- assessing
- problem solving
- analysing
- prioritising
- reading and interpreting
- recording

Required knowledge

Look for evidence that confirms knowledge of:

- purpose of supply chain analysis

REQUIRED SKILLS AND KNOWLEDGE

- methods of supply chain analysis
- types of waste, non value adding activities and methods of reducing them
- process used to make own product
- processes employed by other members of the supply chain sufficient to have meaningful dialogue with them
- safe work practices

Evidence Guide

EVIDENCE GUIDE	
<p>The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.</p>	
Overview of assessment	A person who demonstrates competency in this unit must be able to assist in the analysis of a supply chain.
Critical aspects for assessment and evidence required to demonstrate competency in this unit	Assessors must be satisfied that the candidate can competently and consistently perform all elements of the unit as specified by the criteria, including required knowledge, and be capable of applying the competency in new and different situations and contexts.
Context of and specific resources for assessment	<p>This unit may be assessed on the job, off the job or a combination of both on and off the job. Where assessment occurs off the job, that is the candidate is not in productive work, then an appropriate simulation must be used where the range of conditions reflects realistic workplace situations. The competencies covered by this unit would be demonstrated by an individual working alone or as part of a team. The assessment environment should not disadvantage the candidate.</p> <p>This unit could be assessed in conjunction with any other units addressing the safety, quality, communication, materials handling, recording and reporting associated with assisting in the analysis of a supply chain, or other units requiring the exercise of the skills and knowledge covered by this unit.</p>
Method of assessment	Assessors should gather a range of evidence that is valid, sufficient, current and authentic. Evidence can be gathered through a variety of ways including direct observation, supervisor's reports, project work, samples and questioning. Questioning techniques should not require language, literacy and numeracy skills beyond those required in this unit of competency. The candidate must have access to all tools, equipment, materials and documentation required. The candidate must be permitted to refer to any relevant workplace procedures, product and manufacturing specifications, codes, standards, manuals and reference materials.
Guidance information for assessment	

Range Statement

RANGE STATEMENT	
<p>The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.</p>	
Supply stream	Encompasses the entire supply system, beginning with the raw materials, processing and all tiers of the supply chain
Value added	Is measured against its contribution to the customer benefits/features and is determined in accordance with company definitions
Non value adding activities	Includes excess production and early production, delays, movement and transport, poor process design, inventory, inefficient performance of a process and making defective items

Unit Sector(s)

Unit sector	
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Co-requisite units

Co-requisite units		

Competency field

Competency field	Engineering technician
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