MSS405008 Analyse and map a value stream

Release: 1

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Modification History

Release 1. Unit code changed. Application changed. Performance criteria changed. Range of conditions removed. Assessment requirements changed. Supersedes and is equivalent to MSS405002 Analyse and map a value stream.

Application

This unit describes the skills and knowledge required to analyse and map a value stream, including the clear identification of the place of an organisation in the value stream and its contribution to the value stream. The unit includes the relationships and the activities undertaken by value stream organisations. The identification skills include identification at the virtual or information level, the technical or process level, and at the physical or logistic level.

The unit includes the analysis of value-adding and non-value adding activities and the information needs for successful value stream mapping, including information technology (IT) needs.

This unit covers the analysis of the supply chain, the demand chain as well as the overall value stream.

This unit applies to an individual in a senior role in an organisation, such as an operations manager, purchasing manager, senior technical officer performing planning or scheduling or similar who needs to analyse and map a value stream, a supply chain, or a demand chain in order to understand the interactions between all members and determine the value added/potential value added by each member. The value stream is represented visually according to organisation format requirements.

The value stream may be being mapped for the first time, or it may be an analysis and mapping of a previously mapped value stream. The analysis and mapping may be for an entire value stream, or a defined part of one.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Pre-requisite Unit

Nil.

Competency Field

Competitive systems and practices

Unit Sector

Elements and Performance Criteria

Elements Elements describe the essential outcomes.	Performance Criteria Performance criteria describe the performance needed to demonstrate achievement of the element.	
1. Map the value stream	1.1	Select a product or product group for analysis
	1.2	Identify ultimate customer
	1.3	Identify ultimate supplier
	1.4	Identify all organisations between ultimate supplier and ultimate customer
	1.5	Identify all steps in own organisation
	1.6	Collate all information and map value stream
2. Define customer need	2.1	Determine the features and benefits obtained by customers from product
	2.2	Determine methods of measuring the contribution to each feature and benefit
	2.3	Identify possible data sources for required measures
	2.4	Implement measurement of contribution to features and benefits
3. Assess the value added at each step	3.1	Identify value contributed by each external organisation
	3.2	Determine value added by each internal step
	3.3	Determine method of measuring value added
4. Reduce muda (waste)	4.1	Compare value added to customer feature and benefit
	4.2	Identify activities on value stream map which do not add to customer features and benefits
	4.3	Liaise with external value stream members to determine methods to reduce overall waste
	4.4	Take required actions to reduce waste

Manufacturing Industry Skills Alliance

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

Supersedes and is equivalent to MSS405002 Analyse and map a value stream.

Links

The MSS Sustainability Companion Volume Implementation Guides are available from VETNet: -
https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5b04f318-804f-4dc0-9463-c3fb9a3fe998