



Australian Government

MSS405025 Analyse and map a value stream stream

Release: 1

MSS405025 Analyse and map a value stream

Modification History

Release 1. Unit code changed. Application changed. Foundations Skills populated. Performance criteria changed. Assessment requirements changed. Supersedes and is equivalent to MSS405008 Analyse and map a value stream.

Application

This unit describes the skills and knowledge required to analyse and map the relationships, activities and value contributions for an entire value stream, or a defined part of one.

This unit applies to managers, technical officers or similar roles who have been given authority to review internal and external processes and customer needs to determine value-add and waste (muda) and take action to reduce waste.

This unit applies to any organisation implementing competitive systems and practices.

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.

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

Competency Field

Competitive systems and practices

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Map the value stream	1.1 Select value stream or process 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 according to organisation format requirements
2. Define customer need	2.1 Determine features and benefits obtained by customers from process

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	2.2 Determine methods of measuring 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

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Writing skills to document the value stream map
- Oral communication skills to communicate with internal and external stakeholders
- Numeracy skills to quantify value added and waste.

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

Unit Mapping Information

Release 1: Supersedes and is equivalent to MSS405008 Analyse and map a value stream.

Links

Companion Volume Implementation Guides are available from VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5b04f318-804f-4dc0-9463-c3fb9a3fe998>

Assessment Requirements for MSS405025 Analyse and map a value stream

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- map and analyse at least one value stream, or a defined part of one, which includes internal and external value stream members.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- value stream mapping and analysis techniques
- muda (waste) identification and causes
- details of the process being mapped in sufficient depth to allow analysis of the map
- meaningful interactions between value streams
- concepts of value added, non-value added
- methods of determining and quantifying or measuring value added and waste
- value-adding and non-value adding activities
- information needs for successful value stream mapping, including information technology (IT) needs
- organisations format requirements for visual representation of value stream.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources
- modelling of industry operating conditions.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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