



Australian Government

MSFFT5010 Develop products and related processes

Release: 1

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Modification History

Release 1 - New unit of competency

Application

This unit of competency covers defining requirements, confirming feasibility, developing and trialling options, and analysing and reporting on proposed products and related processes. It may involve original creation, adaptation of designs or interpretation of sketches within contexts related to single or multiple production runs.

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

Pre-requisite Unit

Competency Field

Unit Sector

Furnishing Technology

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1	Assess product feasibility	1.1	Provisional specifications are identified and interpreted in consultation with others, where required
		1.2	Provisional specifications are subject to feasibility modelling and analysis
		1.3	Recommendations from the feasibility study are processed
2	Participate in developing and engineering prototype product	2.1	Product or process specifications are interpreted and/or preliminary specifications are developed from the feasibility study
		2.2	Specifications are used to develop or engineer the prototype product
		2.3	Results are analysed and decisions to move to a trial are confirmed

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| 3 | Conduct trials | 3.1 | Trial procedures/parameters are established and recorded |
| | | 3.2 | Organisation and liaison issues with production areas are resolved |
| | | 3.3 | Raw materials are checked or selected and machines and skill availability allocated against requirements |
| | | 3.4 | Trials are carried out in accordance with the established procedures |
| 4 | Analyse, interpret and report results | 4.1 | Results of the trials are analysed to determine performance and acceptability for production |
| | | 4.2 | Variations and improvements necessitated by the findings are recorded and/or trialled |
| | | 4.3 | Reports and recommendations are prepared and processed in accordance with enterprise procedures |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency. Detail on appropriate performance levels for each furnishing unit of competency in reading, writing, oral communication and numeracy utilising the Australian Core Skills Framework (ACSF) are provided in the Furnishing Training Package Implementation Guide.

Range of Conditions

Specifies 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. Range is restricted to essential operating conditions and any other variables essential to the work environment.

Unit context includes:

- work health and safety (WHS) requirements, including legislation, building codes, material safety management systems, hazardous and dangerous goods codes, and local safe operating procedures or equivalent
- work is carried out in accordance with legislative obligations, environmental legislation, relevant health regulations, manual handling procedures and organisation insurance requirements
- work requires individuals to demonstrate conceptual and analytical ability, discretion, judgement and problem

- Activities include:**
- solving
 - customers or suppliers may be internal or external
 - work allocation
 - reviewing/evaluating processes and products
 - liaising with relevant personnel, client and/or other functional areas
- Work responsibilities will vary in scope according to:**
- size of the workplace
 - range of designs
 - specialisation in the workplace and workplace quality standards
- Personal protective equipment includes:**
- that prescribed under legislation, regulations and enterprise policies and practices
- Information and procedures include:**
- work specifications
 - provisional product specifications and design brief
 - provisional marketing strategies
 - organisation work specifications and requirements
 - legislation, regulations and codes of practice
 - quality and Australian Standards and procedures

Unit Mapping Information

Supersedes and is equivalent to LMFFT5013B Develop products and related processes.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>