



Australian Government

MSTFD5009 Cost production of fashion or textile designs

Release: 1

MSTFD5009 Cost production of fashion or textile designs

Modification History

Release 1. Supersedes and is equivalent to LMTFD5009B Cost design production

Application

This unit of competency covers the skills and knowledge required to analyse and calculate production costs of fashion or textile designs to determine the most cost-effective production mechanism.

The unit of competency applies to costing domestic and offshore production options. The unit applies to workplace practices and procedures applying at the point of production.

Work may be conducted in small to large scale enterprises and may involve individual and team activities.

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

Pre-requisite Unit

Nil

Competency Field

Fashion design and technology

Unit Sector

Not applicable

Elements and Performance Criteria

Elements describe the essential outcomes.

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

1	Determine job requirements	1.1	Follow standard operating procedures (SOPs)
		1.2	Comply with work health and safety (WHS) requirements at all times
		1.3	Use appropriate personal protective equipment (PPE) in accordance with SOPs
		1.4	Identify job requirements from specifications, drawings, job sheets or work instructions

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| 2 | Prepare to cost fashion or textile production | <div>2.1 Analyse production requirements to determine scale of production</div> <div>2.2 Identify features of different production options in line with target market and product specifications</div> <div>2.3 Identify and analyse costs associated with each production option</div> <div>2.4 Compare cost benefits and cost negatives of each option</div> <div>2.5 Review previous production records and consult appropriate personnel to determine cost efficiency of production options</div> |
| 3 | Assess influences on production costs | <div>3.1 Determine factors that may affect cost of production</div> <div>3.2 Identify quality and industry standards for design and/or production and assess implications</div> <div>3.3 Consider production options in line with workplace procedures</div> <div>3.4 Identify and assess variables which impact on production costs</div> <div>3.5 Identify and compare differences between short-run or design production and large scale volume production</div> <div>3.6 Review production options in line with additional information and refine most suitable options</div> |
| 4 | Develop and analyse costing sheets for production | <div>4.1 Develop costing sheets for selected production options</div> <div>4.2 Check calculations and collate data</div> <div>4.3 Interpret data from costing sheets to assess most cost efficient option for production, in line with design and quality requirements</div> <div>4.4 Document cost analysis and present to appropriate personnel to review suitability of options</div> <div>4.5 Assess options for adjusting variables to modify</div> |

production costs

4.6 Finalise cost analysis and complete all documentation

Foundation Skills

This section describes those required skills (language, literacy and numeracy) 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.

Workplace procedures include one or more of the following:

- requirements prescribed by legislation, awards, agreements and conditions of employment
- SOPs
- work instructions
- oral, written and visual communication
- quality practices, including responsibility for maintenance of own work quality and contribution to quality improvement of team or section output
- housekeeping
- tasks related to environmental protection, waste disposal, pollution control and recycling
- WHS practices

Australian Standards include:

- the relevant industry or Australian Standards that are current at the time this unit is being undertaken

Unit Mapping Information

Release 1. Supersedes and is equivalent to LMTFD5009B Cost design production

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>

Assessment Requirements for MSTFD5009 Cost production of fashion or textile designs

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include:

- reading and following work instructions, standard operating procedures (SOPs), safe work practices
- accessing and applying relevant industry standards
- researching and analysing options for fashion or textile production
- analysing and assessing influences affecting production costs
- developing at least two (2) costing sheets
- comparing costs with data
- reviewing and assessing data
- analysing findings with appropriate personnel to review options
- determining final costings
- applying workplace procedures
- maintaining documentation and accurate records.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- relevant Australian Standards
- structure and format of costing sheets
- industry standards for costing specifications
- options and scale of production:
 - in-house production
 - off-shore production
 - cut, make and trim (CMT) suppliers
 - short-run or design production
 - large scale volume production
- design terminology
- production costs:
 - freight
 - tariffs and duties
 - wastage

- wages or labour
- materials
- equipment usage and maintenance
- costing variables:
 - labour availability
 - availability of materials and equipment
 - transportation reliability
 - exchange rate changes
 - complexity of design production
 - market forces
 - work health and safety (WHS)
- costing benefits:
 - reduced wastage
 - greater control over production schedule
 - reduced overheads
 - flexible use of labour
 - cheaper labour
 - greater flexibility
- costing negatives:
 - high overheads
 - freight and shipping
 - lack of quality control
 - longer lead times
 - larger minimum orders
- factors affecting costs:
 - style
 - design features
 - choice of fabric
 - choice of yarns
 - choice of trims
 - extras (e.g. pleating and embroidery)
 - embellishment
 - machinery and equipment requirements including re-tooling
- materials characteristics
- style features
- characteristics of identified target market
- quality standards
- sequence of operations
- workplace procedures

recording and reporting practices

Assessment Conditions

- Assessors must:
 - satisfy the assessor competency requirements that are in place at the time of the assessment, as set by the VET regulator
 - have vocational competency in costing production of fashion or textile designs, at least to the level being assessed, with relevant industry knowledge and experience.
- Assessment should occur in operational workplace situations. Where this is not possible, or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment reflecting realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications associated with this unit.

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