



Australian Government

Department of Education, Employment and Workplace Relations

LMTTD5009A Cost production of textile designs

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

Unit descriptor This unit covers the skills and knowledge to calculate production costs of textile designs.

Application of the Unit

Application of the Unit The unit applies to the calculation of cost requirements and analysis of data to determine cost-effective means for the production of textile designs. Work may be conducted in small to large scale enterprises and may involve individual and team-related activities.

The application of this unit is according to OHS practices of the enterprise and workplace practices, which may include:

- requirements prescribed by legislation, awards agreements and conditions of employment
- standard operating procedures
- 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

This unit requires the application of skills associated with communication in information gathering and performing calculations as well as documenting findings. Problem solving and planning and organising skills are required to identify and analyse the cost components of product production and determine cost effective practices.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisites

Employability Skills Information

Employability Skills This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Not applicable.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1 Analyse options for textile production	1.1 Production requirements are analysed to determine scale of production 1.2 Options for the production of textiles are determined in line with product specifications 1.3 Information on cost of each option is gathered and data is analysed 1.4 Production options are compared in terms of their <i>cost benefits</i> and <i>cost negatives</i> 1.5 Information from previous production records are reviewed and compared with current options in terms of cost, and in line with quality outcomes 1.6 Potential options are selected and relevant information documented
2 Assess influences on production costs	2.1 Factors that may affect cost of production are determined 2.2 Quality and industry standards for design production are identified and implications for production assessed 2.3 Production options are considered in line with OHS practices 2.4 Influences on production costs are assessed and initial costing modified 2.5 Production options are reviewed in line with additional information and most suitable options refined.
3 Develop and analyse costing sheets for textile production	3.1 Costing sheets are completed for selected production options 3.2 Calculations are checked and data is collated 3.3 Data from costing sheets is interpreted to assess most cost efficient option from production, in line with design and quality requirements 3.4 Cost analysis is documented and presented to appropriate personnel to review suitability of options 3.5 Cost analysis is finalized and all documentation is completed

Required Skills and Knowledge

This describes the essential skills and knowledge and their level, required for this unit.

Demonstrates knowledge of:

- structure of costing sheets
- industry standards for costing specifications
- design terminology
- style features
- quality standards
- sequence of operations
- OHS practices, including hazard identification and control measures
- quality practices
- workplace practices
- recording and reporting practices

Demonstrates skills to:

- access industry standards
- calculate and compare costs
- read, interpret and follow information on work specifications, standard operating procedures and work instructions, and other reference material
- maintain accurate records
- communicate within the workplace
- sequence operations
- meet specifications
- clarify and check task-related information
- carry out work according to OHS practices

Evidence Guide

The Evidence Guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for the Training Package.

Critical aspects of evidence to be considered	Demonstrates skills and knowledge to: <ul style="list-style-type: none">• research and analyse options for textile production• integrate findings to refine options• perform calculations• analyse factors affecting production costs• produce costing sheets• compare and analyse data• communicate data and make recommendations• review findings with appropriate personnel• apply quality criteria when reviewing options• apply OHS practices in work operations• maintain accurate records
Consistency in performance	Consistently applies skills and knowledge when: <ul style="list-style-type: none">• organising work• completing tasks• identifying improvements• using workplace practices• using OHS practices• recording and reporting accidents and incidents• assessing operational readiness of equipment used and work processes• recognising and adapting to cultural differences in the workplace, including modes of behaviour and interactions• completing work systematically with attention to detail without damage to goods and equipment
Resource implications	Access is required to real or appropriately simulated situations, including work areas, materials and equipment, and to information on workplace practices and OHS practices.
Context for assessment	Assessment may occur on the job or in an appropriately simulated environment.
Interdependent assessment	This unit may be assessed independently or in combination with other relevant units.

Range Statement

RANGE STATEMENT

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. Add any 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.

Legislative/regulatory requirements	All work must comply with relevant Federal and State or Territory legislative or regulatory requirements.
Options for textile production may include	<ul style="list-style-type: none"> • in-house production • off-shore production
Scale of production may include:	<ul style="list-style-type: none"> • short-run or design production • large scale volume production
Costs may include	<ul style="list-style-type: none"> • freight • tariffs and duties • wastage • wages or labour • materials • equipment usage and maintenance
Cost benefits may include	<ul style="list-style-type: none"> • reduced wastage • greater control over production schedule • reduced overheads • flexible use of labour • cheaper labour • greater flexibility
Cost negatives may include	<ul style="list-style-type: none"> • high overheads • freight and shipping • lack of quality control • longer lead times • larger minimum orders
Variables may include	<ul style="list-style-type: none"> • labour availability • availability of materials and equipment • transportation reliability • exchange rate changes • complexity of design production
OHS practices	OHS practices must include hazard identification and control, risk assessment and implementation of risk reduction measures specific to the tasks described by this unit and may include:

- Factors may include
- manual handling techniques
 - standard operating procedures
 - personal protective equipment
 - safe materials handling
 - taking of rest breaks
 - ergonomic arrangement of workplaces
 - following marked walkways
 - safe storage of equipment
 - housekeeping
 - reporting accidents and incidents
 - other OHS practices relevant to the job and enterprise
 - style design features
 - choice of yarns
 - choice of trims
 - extras, eg pleating, embroidery
 - machinery and equipment requirements including re-tooling

Unit Sector(s)

Sector Textile Design and Development