



Australian Government

Department of Education, Employment and Workplace Relations

LMTFD4009B Create and edit digital embroidery designs

Revision Number: 1

LMTFD4009B Create and edit digital embroidery designs

Modification History

Not applicable.

Unit Descriptor

Unit descriptor This unit covers the skills and knowledge to create and edit digital embroidery designs using specialised software programs.

Application of the Unit

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This unit applies to the creation of original designs and editing of designs for production of digital embroidery effects on a wide range of garments and fabrics.

This unit requires the use of computers. If training in the use of computers is required then the unit: LMTGN2009B Operate computing technology in a TCF workplace should also be selected.

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 skills in communication to interpret specifications and in problem solving, planning and organising and initiative and enterprise in order to create designs that reflect brief requirements. Self management skills are applied to ensure work meets quality guidelines. Skills in using embroidering technology are also required.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisites

LMTCL2003B

LMTCL3008B

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 Identify client design brief	1.1 <i>Specifications</i> for embroidery design are determined. 1.2 Available software programs are identified. 1.3 <i>Garment considerations</i> are identified. 1.4 <i>Machine requirements</i> are identified.
2 Create original design	2.1 Design concept is created and prepared for presentation. 2.2 Designs are reviewed against brief and with client, and modified as required to gain approval for development. 2.3 Design concept is developed using appropriate <i>tools and equipment</i> and according to <i>OHS practices</i>. 2.4 Design specifications are developed to guide production. 2.5 Designs are stored, organised and protected.
3 Edit design	3.1 Suitable designs or images are selected for editing. 3.2 Designs are imported into software programs. 3.3 Designs are edited to achieve design objectives. 3.4 Production specifications are determined. 3.5 Designs are stored, organised and protected.
4 Present design for feedback	4.1 Design concept is presented for feedback. 4.2 Feedback is received and considered in line with design objectives. 4.3 Design concept is modified and improved where possible.

Required Skills and Knowledge

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

Demonstrates knowledge of:

- digital embroidery program features
- editing tools and procedures
- operating procedures for digitiser machines
- characteristics of typical fabrics, threads and other materials
- quality standards and practices
- OHS practices, including hazard identification and control measures
- workplace practices
- recording and reporting practices

Demonstrates skills to:

- receive and interpret design brief
- use required computer and program functions
- 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	Demonstrates skills and knowledge to: • plan work tasks to achieve specifications • prepare workstation and work before commencing operations • use software programs to develop designs • apply OHS practices in work operations • maintain accurate records
Consistency in performance	Consistently applies skills and knowledge when: • 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.
Specifications may include:	• content • colour • dimensions • stitch type and size • font • fill
Garment considerations may include:	• type of fabric • colour of fabric • positioning of design • suitability of size, design, colour
Machine requirements may include:	• thread type • needle type • stitch settings • spool requirements
Tools and equipment may include:	• computer • software programs • hardware peripherals such as scanners, printers • paper, pens • templates
Edited may include:	• manipulation of height, scale, skew, rotation, width, length, fonts, fill, baseline, envelopes, borders, spacing, needle penetration, stitch size and type, colour • changes to content, style, finish
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: • 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

Unit Sector(s)

Sector Fashion Design and Technology