



Australian Government

Department of Education, Employment and Workplace Relations

LMTFD4020B Use electronic fashion design tools

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

Unit descriptor This unit covers the skills and knowledge to use a range of electronic design programs and equipment such as software programs and computing technology.

Application of the Unit

Application of the Unit

The unit applies to the creation of designs, patterns or production specifications using electronic programs and equipment such as graphic and design software, computers and peripherals, and specialised equipment.

This unit requires the use of computers. If training in the use of computers is required then the unit LMTGN2009A 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 and technology to interpret requirements and create design effects using electronic tools. Planning and organising, problem solving and initiative and enterprise skills are used to generate outputs. Self management skills are used to monitor outputs against quality standards and design brief.

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 Identify design brief	1.1 <i>Design specifications</i> are identified and interpreted. 1.2 Suitable <i>programs and equipment</i> are identified. 1.3 <i>Garment considerations</i> are identified. 1.4 <i>Production requirements</i> are identified.
2 Use design tools	2.1 Design programs and equipment are used to create required designs, patterns or production specifications. 2.2 Design programs and equipment are used to modify and edit designs, patterns or production specifications. 2.3 Design programs and equipment are used to test designs, patterns or production specifications. 2.4 Design programs and equipment are used according to OHS practices.
3 Assess electronic outputs	3.1 Outputs generated using electronic design programs are assessed against design specifications and production requirements. 3.2 Outputs are presented to appropriate personnel to assess accuracy and completeness. 3.3 Improvements are made as required.
4 Maintain electronic design systems	4.1 Designs, patterns or production specifications are created, stored, organised and protected. 4.2 Design programs and equipment are used, maintained and stored.

Required Skills and Knowledge

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

Demonstrates knowledge of:

- principles of design
- electronic equipment and program features
- editing tools and procedures
- operating procedures
- garment production requirements
- quality standards
- OHS practices, including hazard identification and control measures
- quality practices
- workplace practices
- recording and reporting practices

Demonstrates skills to:

- receive and interpret design brief
- use electronic 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 electronic tools and equipment • use software programs • 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.
Design specifications may include:	• visual content and presentation • style details • fabric types and quantities • production requirements • special effects or features • quality criteria • finishing details • sizing
Programs and equipment may include:	• computer • software programs, eg computer-aided design (CAD), Illustrator, Photoshop • hardware peripherals such as scanners, printers • specialised equipment
Garment considerations may include:	• type of fabric • colour of fabric • purpose of garment • quality standards
Production requirements may include:	• timeline • available resources • instructions • documentation
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