



Australian Government

MSTFD4020 Use electronic fashion design tools

Release: 1

MSTFD4020 Use electronic fashion design tools

Modification History

Release 1. Supersedes and is equivalent to LMTFD4020B Use electronic fashion design tools

Application

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

The unit of competency 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.

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	Determine job requirements from specifications, job sheets or work instructions

2	Prepare to use electronic design tools	2.1	Interpret the specifications of the design brief and identify production requirements
		2.2	Identify garment factors that need to be considered
		2.3	Prepare suitable programs and equipment
3	Use design tools	3.1	Use design programs and equipment to create required designs, patterns and/or production specifications
		3.2	Test designs, patterns or production specifications and modify, as required
		3.3	Assess outputs generated using electronic design programs against design specifications and production requirements
4	Check and finalise designs	4.1	Present outputs to appropriate personnel to assess accuracy and completeness
		4.2	Make adjustments or improvements, as required
		4.3	Create final products and protect, organise and store them according to workplace procedures

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
- Design programs and equipment include two or more of the following:**
- computer
 - software programs (e.g. computer-aided design (CAD), Illustrator and Photoshop)
 - hardware peripherals, such as scanners and printers
 - specialised equipment
- Garments include one or more of the following:**
- skirts
 - trousers/pants
 - shirts/blouses
 - dresses
 - coats
 - lingerie
- Garment considerations include one or more of the following:**
- type of fabric
 - colour of fabric
 - purpose of garment
 - quality standards
 - distinctive features
- Production requirements include the following:**
- timeline
 - available resources
 - instructions
 - documentation
- Appropriate personnel include**
- supervisor

one or more of the following:

- trainer/mentor
- designers
- patternmakers
- production supervisors
- clients

Unit Mapping Information

Release 1. Supersedes and is equivalent to LMTFD4020B Use electronic fashion design tools

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 MSTFD4020 Use electronic fashion design tools

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Performance Evidence

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

- reading and following work instructions, standard operating procedures (SOPs) and safe work practices
- applying relevant standards
- identifying requirements for at least two (2) garments or products
- selecting appropriate software program
- using design programs and equipment to create designs, patterns and production specifications for at least two (2) garments
- testing designs, patterns or production specifications and modifying, as required
- assessing outputs generated using electronic design programs against specifications of design brief
- seeking feedback from appropriate people and making adjustments, as required
- creating final products and protecting, organising and storing them according to workplace procedures.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- work instructions, SOPs and safe work practices
- relevant Australian Standards
- principles of design
- electronic equipment and program features
- editing tools and procedures
- operating procedures
- garment production requirements
- design specifications:
 - visual content and presentation
 - style details
 - fabric types and quantities
 - production requirements
 - special effects or features
 - quality criteria

- finishing details
- sizing
- designs, patterns and production requirements
- quality standards
- workplace practices
- 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 electronic fashion design, 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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