



Australian Government

MSTFD5022 Develop digital costing markers

Release: 1

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Modification History

Release 1. New unit

Application

This unit of competency covers the skills and knowledge required to use digital technologies for estimating garment yields for costing. It involves translating graded pattern pieces onto a cutting lay plan, to minimise fabric waste and optimise cutting accuracy.

The unit of competency applies to the use of specialised electronic programs and computing equipment to digitise patterns.

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

MSTFD5021 Conduct digital patternmaking and grading

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 **Determine yield from fabric**
 - 2.1 Examine measurements and identify marker requirements from specification
 - 2.2 Determine the impact of fabric features and specifications on marker
 - 2.3 Identify pattern width and size scale and estimate material utilisation
 - 2.4 Select and prepare suitable software programs and computing equipment
 - 2.5 Access pattern/style libraries and enter fabric and sizing information
 - 2.6 Generate an order for pattern/style marker
 - 2.7 Determine optimal layout configuration to minimise fabric waste
 - 2.8 Ensure lay requirements meet design specifications
 - 2.9 Confirm garment yield from fabric
- 3 **Prepare costing markers**
 - 3.1 Generate digital costing marker
 - 3.2 Determine preliminary costing and assess commercial viability of production
 - 3.3 Identify need for and make adjustments to improve viability
 - 3.4 Create marker to maximise utilisation
 - 3.5 Determine piece count, marker length and fabric utilisation
 - 3.6 Ensure measurements and requested specifications are accurately documented
 - 3.7 Print scaled marker and assess against design and production specifications

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|---|-------------------------------|-----|---|
| 4 | Prepare marker for use | 4.1 | Prepare marker for use and determine distribution or storage requirements |
| | | 4.2 | Prepare marker for email distribution |
| | | 4.3 | Store marker according to workplace procedures |
| | | 4.4 | Print scaled marker and prepare for processing |

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
- PPE
- 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

Markers include one of more

- costing yield markers

of the following:

- sample marker
- volume markers

**Requested specifications
include the following:**

- style number
- required sizes
- bundle codes
- piece descriptions
- spreading instructions

**Fabric specifications include
the following:**

- types of fabrics
- width and length of fabric
- measurements
- pattern/style

Unit Mapping Information

Release 1. New unit

Links

Companion Volume implementation guides are found in VETNet -

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