



Australian Government

MSTAT5015 Develop digital costing markers

Release: 1

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Modification History

Release 1. Unit Code and Application changed. Prerequisite unit removed. Elements and Performance Criteria simplified with Element 1 removed. Foundation Skills field populated. Range of Conditions removed with relevant information moved to Knowledge Evidence. Assessment Requirements clarified with generic foundation skills statements moved to appropriate section and duplication with Performance Criteria removed. Supersedes and is equivalent to MSTFD5022 Develop digital costing markers.

Application

This unit describes 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.

This unit applies to patternmakers who work in accordance with existing specifications using discretion, judgement and problem solving to achieve work outcomes.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Pre-requisite Unit

Nil

Competency Field

Apparel and Textile Production

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Determine yield from fabric	1.1 Examine garment measurements and identify marker requirements from specifications 1.2 Determine the impact of fabric features and specifications on marker 1.3 Identify pattern and style requirements and size ratio, and estimate material utilisation 1.4 Select and prepare suitable software programs and computing equipment 1.5 Access pattern/style libraries and enter accurate fabric and sizing

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	information 1.6 Use software features to generate an order for marker 1.7 Determine optimal layout configuration to minimise fabric waste 1.8 Ensure lay requirements meet design specifications 1.9 Confirm garment yield from fabric
2. Prepare costing markers	2.1 Generate digital costing marker using appropriate software features 2.2 Determine preliminary costing from market information and assess commercial viability of production 2.3 Identify and action need for adjustments to improve viability 2.4 Create marker that maximises material utilisation 2.5 Determine accurate piece count, marker length and fabric utilisation 2.6 Ensure measurements and requested specifications are accurately documented 2.7 Create a digital copy of scaled marker and assess against design and production specifications
3. Prepare marker for use	3.1 Prepare marker for distribution 3.2 Store marker according to workplace procedures 3.4 Create digital copy of final scaled marker and prepare for processing and costing

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Reading skills to interpret technical drawing and specifications
- Numeracy skills to create and manipulate numerical data in software applications.

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

Unit Mapping Information

Supersedes and is equivalent to MSTFD5022 Develop digital costing markers.

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 MSTAT5015 Develop digital costing markers

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- produce costing markers for at least two complete sets of graded garment patterns.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- use of technical drawings and specifications in patternmaking, including fabric and other specifications needed to create costing markers
- workplace sizing systems for different body types
- at least one digital software program used for creating costing markers:
 - operating procedures
 - program features, including use of libraries
 - editing tools and procedures
 - filing and storage procedures
- factors to consider when assessing commercial viability of production
- garment design and production process.
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Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - specification sheets
 - computer hardware
 - marker-making software.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

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