



Australian Government

MSTAT5012 Grade complex patterns

Release: 1

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Modification History

Release 1. Unit code and Application changed. 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. Knowledge already covered in prerequisite unit removed. Supersedes and is equivalent to MSTFD5016 Grade complex patterns.

Application

This unit describes the skills and knowledge required to conduct allometric grading of shaped or 3D patterns for fashion garments where the focus is on taking into account differences in body growth for a specialised fit. Allometric grading must consider the relative growth rate of different parts of the body.

The unit applies to patternmakers working in roles where discretion and judgement may be required in planning and selecting processes.

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

MSTAT4009 Grade 2D patterns

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. Prepare to grade complex patterns	1.1 Research target market for garment and collect data for measurement table 1.2 Clarify design brief and confirm target market and intended purpose of design with designer 1.3 Analyse measurement table against size range of target market to identify growth of circumference and length increments 1.4 Create accurate grade rule table

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	1.5 Identify base size, allocate grade points and construct grade rule table
2. Grade patterns	2.1 Check pattern for accuracy and make required corrections 2.2 Determine stacking or outlay requirements, including direction 2.3 Accurately grade pattern based on created grade rule table 2.4 Identify required stack points or lines 2.5 Preserve integrity of pattern attributes during grading 2.6 Accurately label all pattern pieces with pattern marking symbols
3. Finalise and store complex patterns	3.1 Prepare shaped patterns or markers and present in required format in preparation for production 3.2 Prepare accurate specification documents 3.3 Complete documentation in accordance with workplace procedures

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 detailed patternmaking information
- Writing skills to communicate factual pattern and production information in workplace documents
- Numeracy skills to interpret numerical aspects of design specifications, take accurate measurements and make simple calculations.

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

Unit Mapping Information

Supersedes and is equivalent to MSTFD5016 Grade complex patterns.

Links

Companion Volume implementation guides are found in VETNet – -

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