



Australian Government

MSTAT4009 Grade 2D patterns

Release: 1

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Modification History

Release 1. Unit Code and Application changed. Elements and Performance Criteria simplified with Element 1 and 2 combined. 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 MSTFD4013 Grade 2D patterns.

Application

This unit describes the skills and knowledge required to grade flat or 2D patterns used for production of garments with basic style features. The grading process may be manual or digital.

This unit applies to individuals working in situations where discretion and judgement may be required in planning and selecting processes, procedures or 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.

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 patterns	1.1 Identify job requirements from work specifications 1.2 Prepare workstation and equipment in accordance with work health and safety requirements 1.3 Identify required grading system by considering style and fabric characteristics which influence grading 1.4 Identify measurements of base size and grade requirements from specifications 1.5 Calculate number of sizes in grading and establish appropriate grade increments between sizes to create grade rule table 1.6 Select appropriate grade plan and construct accurate grade rule table

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
2. Grade patterns	2.1 Determine stacking or outlay requirements, including direction 2.2 Grade pattern in accordance with grade rule table 2.3 Identify required stack points or lines 2.4 Preserve integrity of pattern attributes during grading 2.5 Accurately label all pattern pieces with pattern marking symbols 2.6 Check pattern for accuracy and make required corrections 2.7 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 MSTFD4013 Grade 2D patterns.

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 MSTAT4009 Grade 2D patterns

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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:

- use digital or manual grading system to grade at least two patterns to collectively include at least two of the following basic style garments:
 - A-line skirt
 - basic bodice
 - blouses
 - lingerie
 - pants
 - shirt
 - shorts (elastic waisted)
 - straight skirt
 - t-shirt.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- workplace and customer size charts
- grading systems and how they are used, including setting up of base pattern
- pattern attributes, including:
 - darts
 - notches
 - shape
 - design proportion
- pattern marking symbols and labelling, including:
 - appropriate seam allowance
 - notching
 - darts
 - drill holes

- grain line
- cutting line
- stitching line
- pattern information (size, style number, cutting instructions and identity)
- cost efficiency in grading
- grading recording and reporting practices.

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:
 - patterns for grading
 - pattern grading equipment (manual or digital)
 - workplace and customer size charts.

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

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