



**Australian Government**

# **MSTFD6004 Manage advanced patternmaking processes**

**Release: 1**

# MSTFD6004 Manage advanced patternmaking processes

## Modification History

Release 1. Supersedes and is equivalent to LMTFD6004B Manage advanced pattern making processes

## Application

This unit of competency covers the skills and knowledge required to manage processes for patternmaking in high-volume production of complex or specialised garments.

The unit of competency applies to the development and implementation of patternmaking plans for complex or specialised production.

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

MSTFD4013 Grade 2-D patterns

MSTFD5016 Grade complex patterns

## 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 | <b>Determine job requirements</b> | 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 Identify job requirements from specifications, drawings, job sheets or work instructions
- 2 **Manage preparations for patternmaking process**
  - 2.1 Identify patternmaking methodologies
  - 2.2 Analyse critical measurements to derive patterns for unique body shapes, features and specialised garments
  - 2.3 Interpret design brief and specifications
  - 2.4 Determine patternmaking requirements and grading methodologies that will be applied
  - 2.5 Analyse critical paths
  - 2.6 Develop plan for implementing patternmaking process, and manage it according to design requirements
- 3 **Manage development of patterns**
  - 3.1 Make preparations for the development of patterns and present patterns for implementation
  - 3.2 Confirm patterns for sampling and product development
  - 3.3 Implement and monitor all aspects of the patternmaking plan to ensure production and quality meet required standards
- 4 **Review and document patternmaking process**
  - 4.1 Communicate with production team to finalise and assess the patternmaking process against the design brief
  - 4.2 Document all changes to patterns and describe formulas and methods
  - 4.3 Assemble all necessary documentation and prepare reports, where necessary
  - 4.4 Maintain records according to work 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 includes:**

- the relevant industry or Australian Standards that are current at the time this unit is being undertaken

**Specialised garments includes two or more of the following:**

- special purpose garments (e.g. wetsuits and corsetry)
- garments with advanced styling, such as:
  - tailored suit
  - eveningwear
  - bridal wear
  - couture
  - stretch trousers
  - corsetry
  - raglans
  - kimonos
  - overcoats
  - theatrical costumes
  - jackets

- capes

**Patternmaking methodologies include one or more of the following:**

- block methodologies (national and international)
- computer technologies
- pattern grading
- flat and draped patternmaking methodologies
- marker making

**Critical measurements include one or more of the following:**

- relevant for block and style development
- relevant for grading
- taken or calculated on the body
- taken or calculated on the garment

**Critical paths include one or more of the following:**

- resource availability
- timelines
- achieving delivery
- supply chain
- skill levels
- identifying constraints
- budget constraints
- production turnaround
- logistics (shipping and distribution)
- reporting

**Monitor patternmaking plan includes one or more of the following:**

- monitoring quality work practices
- identifying and rectifying production problems, faults and quality issues
- making changes and adjustments to patterns where necessary
- obtaining sign-off for patterns from authorised personnel
- completing or confirming grades, markers and instructions for manufacture
- managing observance of WHS requirements

**Methods and formulas include one or more of the following:**

- deviations from standard patterns
- sources of pattern components
- pattern derivation methods and formulas
- block construction methods and formulas

- application of current industry practice

## **Unit Mapping Information**

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## **Links**

Companion Volume implementation guides are found in VETNet -

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