



Australian Government

Department of Education, Employment and Workplace Relations

LMTFD6004B Manage advanced pattern making processes

Revision Number: 1

LMTFD6004B Manage advanced pattern making processes

Modification History

Not applicable.

Unit Descriptor

Unit descriptor This unit covers the skills and knowledge to manage processes for pattern making in high-volume production of complex or specialised garments.

Application of the Unit

Application of the Unit

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

Work may be conducted in small to large scale enterprises and may involve individual and team-related activities.

The application of this unit is according to OHS practices of the enterprise and workplace practices, which may include:

- requirements prescribed by legislation, awards agreements and conditions of employment
- standard operating procedures
- 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

This unit requires skills in problem solving and planning and organising to manage the development of pattern making processes and address any issues that arise. Teamwork skills are required to effectively allocate tasks and manage personnel. Communication skills are used to document plans and provide briefing to team members. Initiative and enterprise, self management and learning skills are applied to review processes and look for and implement modifications and improvements.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisites

LMTFD4013B

LMTFD5016B

Employability Skills Information

Employability Skills This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Not applicable.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1 Analyse pattern making methodologies	<p>1.1 <i>Pattern-making methodologies</i> are identified.</p> <p>1.2 <i>Critical measurements</i> used in pattern derivation for unique body shapes, features and <i>specialised garments</i> are analysed.</p> <p>1.3 Industry applications of pattern-making methodologies are analysed.</p>
2 Develop plans	<p>2.1 Process for receiving design brief and specifications are identified.</p> <p>2.2 Design brief and specifications are received and interpreted.</p> <p>2.3 Pattern-making requirements and grading methodologies to be applied are determined.</p> <p>2.4 <i>Critical paths</i> are analysed.</p> <p>2.5 Pattern-making plan for implementation is developed and managed according to design requirements.</p>
3 Manage development of patterns	<p>3.1 Suitable blocks are selected or developed.</p> <p>3.2 <i>Suitable style patterns</i> are selected or developed for sampling and production.</p> <p>3.3 Grade plans for the range are selected or developed.</p> <p>3.4 Specifications for blocks, style patterns and grade plans are confirmed.</p> <p>3.5 Patterns are prepared and presented for implementation.</p>
4 Manage pattern process	<p>4.1 Patterns are assessed and confirmed for sampling and product development.</p> <p>4.2 Process is communicated with team members and tasks are delegated and scheduled.</p> <p>4.3 Implementation of plan is monitored and supervised to ensure production and quality meet required standards.</p> <p>4.4 Production problems, faults and quality issues are identified and rectified.</p> <p>4.5 Where required, changes and adjustments are made to patterns.</p> <p>4.6 Sign off for patterns is identified and obtained.</p> <p>4.7 Grades, markers and instructions for manufacture are completed or confirmed.</p> <p>4.8 Implementation of <i>OHS practices</i> is confirmed.</p>
5 Maintain records	<p>5.1 Records are maintained and reports prepared, where necessary.</p> <p>5.2 All changes to patterns are documented and <i>methods and formulas</i> described.</p>

Required Skills and Knowledge

This describes the essential skills and knowledge and their level, required for this unit.

Demonstrates knowledge of:

- Australian size standards
- workplace and customer size charts
- pattern making and the development of a pattern
- cost efficiency in pattern making
- marker making
- relevant OHS legislation and codes of practice
- OHS practices, including hazard identification and control measures
- quality practices
- workplace practices
- recording and reporting practices

Demonstrates skills to:

- produce precise results
- use CAD or manual grading systems
- communicate effectively with individuals, work groups and supervisors
- document and transfer information
- consistently achieve quality and production output requirements
- read, interpret and follow information on work specifications, standard operating procedures and work instructions, and other reference material
- maintain accurate records
- sequence operations
- meet specifications
- clarify and check task-related information
- carry out work according to OHS practices

Evidence Guide

The Evidence Guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for the Training Package.

Critical aspects of evidence

Demonstrates skills and knowledge to:

- analyse patternmaking methodologies
- implement patternmaking process
- manage patternmaking process
- prepare and present production plan for implementation
- communicate effectively with design team, customers, etc.
- implement plan for sampling and product development
- apply OHS practices in work operations
- maintain accurate records

Consistency in performance

Consistently applies skills and knowledge when:

- organising work
- completing tasks
- identifying improvements
- using workplace practices
- using OHS practices
- recording and reporting accidents and incidents
- assessing operational readiness of equipment used and work processes
- recognising and adapting to cultural differences in the workplace, including modes of behaviour and interactions
- completing work systematically with attention to detail without damage to goods and equipment

Resource implications

Access is required to real or appropriately simulated situations, including work areas, materials and equipment, and to information on workplace practices and OHS practices.

Context for assessment

Assessment may occur on the job or in an appropriately simulated environment.

Interdependent assessment

This unit may be assessed independently or in combination with other relevant units.

Range Statement

RANGE STATEMENT

The Range Statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the Performance Criteria, is detailed below. Add any essential operating conditions that may be present with training and assessment depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts.

Legislative/regulatory requirements	All work must comply with relevant Federal and State or Territory legislative or regulatory requirements.
Specialised garments may include:	<ul style="list-style-type: none"> • special purpose garments, e.g. wetsuits and corsetry • garments with advanced styling such as: <ul style="list-style-type: none"> • tailored suit • eveningwear • bridal wear • couture • stretch trousers • corsetry • raglans • kimonos • overcoats • jackets • capes
Patternmaking methodologies may include:	<ul style="list-style-type: none"> • block methodologies (national and international) • computer technologies • pattern grading • flat and draped patternmaking methodologies • marker making
Critical measurements may include:	<ul style="list-style-type: none"> • those measurements that are relevant for block and style development and grading such as those taken or calculated on the body or garment
Critical paths may include:	<ul style="list-style-type: none"> • resource availability • timelines • achieving delivery • supply chain • skill levels • identifying constraints • budget constraints • production turnaround • logistics (shipping and distribution) • reporting

- Suitable style patterns may include:
- couture garments
 - suits
 - bridal wear
 - jackets
 - specialised garments (wet suits, corsetry)

OHS practices OHS practices must include hazard identification and control, risk assessment and implementation of risk reduction measures specific to the tasks described by this unit and may include:

- manual handling techniques
- standard operating procedures
- personal protective equipment
- safe materials handling
- taking of rest breaks
- ergonomic arrangement of workplaces
- following marked walkways
- safe storage of equipment
- housekeeping
- reporting accidents and incidents
- other OHS practices relevant to the job and enterprise

- Methods and formulas may include:
- deviations from standard patterns
 - sources of pattern components
 - pattern derivation methods and formulas
 - block construction methods and formulas
 - application of current industry practice

Unit Sector(s)

Sector Fashion Design and Technology