



Australian Government

Department of Education, Employment and Workplace Relations

LMTFD6007B Implement specialised pattern-making technologies

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

Unit descriptor This unit covers the skills and knowledge to analyse and implement specialised pattern-making technologies.

Application of the Unit

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The unit applies to the analysing workplace requirements for the introduction or upgrading of specialised pattern-making technologies, assessing and implementing appropriate technologies into the workplace and managing the change process associated with the implementation.

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, planning and organising and initiative and enterprise to assess pattern making technologies and select technologies that meet workplace needs. Communication skills are used to analyse information, maintain documentation and support teamwork. Self management and learning are applied in the review and modification of plans.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisites

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 and assess pattern-making technologies | 1.1 <i>Pattern-making technologies</i> (national and international) are identified and assessed. 1.2 Current workplace applications are analysed to assess efficiency and appropriateness of technologies. 1.3 <i>Software audits</i> are conducted. 1.4 Opportunities for upgrading current technologies are assessed. 1.5 Future and unmet requirements for pattern-making technologies are identified. |
| 2 Develop implementation plans | 2.1 Staff skills for implementation of <i>new technologies</i> are determined. 2.2 Risks and obstacles relating to the introduction are identified. 2.3 Changes to current pattern-making principles and practices are identified. 2.4 Suppliers of pattern-making technologies are confirmed and their provision of initial and ongoing training and support are identified. 2.5 Pattern-making technology implementation plan is developed, including objectives, timeframes, training and budget. |
| 3 Implement pattern-making technologies | 3.1 Pattern-making technologies are implemented and workplace practices adjusted according to implementation plan. 3.2 Responsibilities for pattern-making technologies are delegated. 3.3 Learning and development opportunities are provided according to implementation plan. 3.4 Specifications and workplace practices for block development, pattern making and pattern grading using the new technology are developed. 3.5 Support is made available to the workplace affected by implementation of the pattern-making technology. 3.6 Implementation of <i>OHS practices</i> is ensured. |
| 4 Monitor and manage pattern-making technologies | 4.1 Implementation of plan is monitored and supervised to ensure production and quality meet required standards of compliance. 4.2 Production problems, faults and quality issues are identified and rectified. 4.3 Where required, changes and adjustments are made to procedures. |
| 5 Maintain records | 5.1 Records are maintained and reports prepared, where necessary. 5.2 All processes and technology outcomes are documented. |

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
- pattern-making principles and methodologies
- grading of patterns
- block construction
- 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 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: <ul style="list-style-type: none">• analyse pattern-making technologies• analyse workplace requirements for new technologies• develop pattern-making technology implementation plan• implement pattern-making technology• communicate effectively with team members• monitor and manage implementation of new pattern-making technologies• apply OHS practices in work operations• maintain accurate records |
| Consistency in performance | Consistently applies skills and knowledge when: <ul style="list-style-type: none">• 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.

Pattern-making technologies may include:

- CAD systems
- body scanners
- specification and technical drawing software
- grading and size table development software
- 3D avatars and fitment software
- Icon technology

Software audits may include:

- key audits
- systems management audits

New technologies may include:

- technology which is new to the workplace
- new aspects of currently used technology (ie upgraded technologies)
- hardware or software components

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

Unit Sector(s)

Sector Fashion Design and Technology