Grade patterns using a clothing CADCAM system

Level	**3**
Credits	**3**

Purpose People credited with this unit standard are able to input grading rules for a size range, and grade all patterns from a master size, and print out a pattern nest.

Subfield	Clothing Manufacture
Domain	Apparel Design and Patternmaking
Status	Registered
Status date	19 June 2009
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Planned review date	31 December 2015
Entry information	Open.
Accreditation	Evaluation of documentation and visit by NZQA and industry.
Standard setting body (SSB)	Competenz

Accreditation and Moderation Action Plan (AMAP) reference   0030

This AMAP can be accessed at http://www.nzqa.govt.nz/framework/search/index.do.

Special notes

1   An underpinning knowledge of patterns and garment construction is required.

2   This unit standard is for designers and pattern makers. Any clothing CADCAM (Computer Aided Design, Computer Aided Manufacturing) system is acceptable for this unit standard, but candidates taking the unit standard need to be aware that being able to input patterns to any one system may or may not give them the knowledge to input to a different type of system.

3   Performance of the elements must comply with the Health and Safety in Employment Act 1992.

4   Definition
Workplace procedures refer to the verbal or documented procedures for performing work activities and include health and safety, operational, environmental, and quality management requirements. They may refer to manuals, manufacturer's specifications, codes of practice, or policy statements.

Elements and performance criteria

Element 1

Input grading rules for a size range.

Performance criteria

1.1   Grading increments are selected according to workplace procedures.

1.2   Component pieces to be graded are identified according to workplace procedures.

1.3   Grades are calculated for components according to workplace procedures.

1.4   Grading rules are input according to computer system requirements.

Element 2

Grade all patterns from a master size and print out a pattern nest.

Performance criteria

2.1   Patterns are graded and checked to meet size specifications according to workplace procedures.

2.2   Patterns are labelled according to system requirements.

         Range   size, pattern number.

2.3   Pattern nest is printed out to size range required.

2.4   File is saved according to system and workplace procedures.

2.5   Documentation is completed in accordance with workplace procedures.

Please note

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact Competenz info@competenz.org.nz if you wish to suggest changes to the content of this unit standard.