



Australian Government

Department of Education, Employment and Workplace Relations

LMFDN4005B Work within a furniture design team

Revision Number: 1

LMFDN4005B Work within a furniture design team

Modification History

Not applicable.

Unit Descriptor

Unit descriptor	This unit covers the competency to research, develop and present design and development proposals and document outcomes and proposals within a multi-disciplinary enterprise team environment.
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Application of the Unit

Application of the unit	
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Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisite units	
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Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Interpret design brief	1.1.Design parameters are clarified, in consultation with designer, sales team, management and/or client where required 1.2.A strategy plan and/or critical path plan is developed when required 1.3.Constraints are identified and taken into account when clarifying the brief
2. Research relevant information	2.1.Trends in materials are researched for performance, aesthetics, care/maintenance requirements and suitability to project or design 2.2.Trends and new technology are researched, where appropriate 2.3.Client priorities are clarified, including cost, performance, aesthetics and availability 2.4.Technical requirements associated with production are assessed, within specified guidelines 2.5.Any additional expertise required for the project is identified
3. Contribute to design concepts	3.1.Preliminary concepts are worked out in conjunction with others to identify possibilities 3.2.Design concept is developed through predetermined criteria such as ergonomics, materials, colour, properties and end application 3.3.Ideas are contributed and discussed with team members 3.4.Relevant support materials and explanations are developed and refined in conjunction with members of the design team
4. Contribute to the presentation of design/product	4.1.Roles of self and others for the presentation meeting are determined 4.2.Presentation of design or product is carried out in a manner which promotes the design's acceptance/approval
5. Maintain records	5.1.Records are maintained and reports prepared, where necessary, in accordance with enterprise procedures

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Required skills

- research, collect, organise and understand information related to the design, including the relevant technical, regulatory, cultural, environmental and safety requirements
- communicate ideas and information to enable clarification of the requirements, coordination of work with other workers and customers, and the reporting of work outcomes and problems
- plan and organise activities, including the obtaining of systems and materials to avoid any back tracking, workflow interruptions or wastage
- work with others and in a team by recognising dependencies and using cooperative approaches to optimise workflow and productivity
- use mathematical ideas and techniques to correctly complete measurements and calculations required to support the design activity
- create and apply systematic problem solving techniques to anticipate problems, avoid re-working and wastage
- use the workplace technology related to design, including drafting tools and equipment, calculators and measuring devices and computing/computer-aided systems

Required knowledge

- company operating procedures, including procedures for developing design concepts
- design core and professional practices
- ergonomic principles for furniture design and manufacture
- operation requirements of equipment and work systems in own work area
- competency requirements of the work activities
- OHS requirements

Evidence Guide

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 relevant Training Package.

Critical aspects of evidence

- Identify requirements of task and organise work to achieve goals and results
- Apply safety requirements throughout the work sequence, including the use of personal protective clothing and equipment
- Research information and share it with others in the team
- Contribute to the design of products through discussion
- Encourage excellence in performance of team/group members
- Suggest improvements to design activities and, where authorised, negotiate changes
- Modify activities to cater for variations in workplace cultures and environment
- Work effectively with others

Resource implications

Design development team, design concepts and access to R&D agencies/capabilities.

Method of assessment

Assessment methods must confirm consistency, or the potential for consistency, of performance over time and in a range of workplace relevant contexts.

Assessment should be by direct observation of work, portfolio evidence and questioning on underpinning knowledge.

Assessment may be conducted over time and in conjunction with assessment of other units of competency.

Context of assessment

Assessment may occur on the job or in a simulated workplace facility with relevant equipment, simulated work instructions and deadlines.

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 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.

Unit scope	• This unit covers the work involved in contributing to the activities of a design team in developing concepts and for designing products in furniture sector enterprises. • The competencies may involve: • applications associated with an original design • adaptation of designs • interpretation of sketches
Unit context	• OHS requirements include legislation, building codes, material safety management systems, hazardous substances and dangerous goods codes and safe operating procedures • Work is carried out in accordance with legislative obligations, environmental legislation, relevant health regulations, authorised handling procedures and organisation insurance requirements • Work requires individuals to demonstrate conceptual and analytical ability, discretion, judgement and problem solving skills
Workplace environment	• The competencies can refer to enterprise and client initiated ideas or requests • The competency is applied under general guidance on progress and outcomes • Size and work organisation within the enterprise will also determine the range of interaction with other areas/personnel, eg: • pattern maker • sample hand/machinist • marketing/sales • management • customer
Information and procedures	• Product catalogues, style manuals or equivalent • Enterprise business plans and products

RANGE STATEMENT

	• Work specifications • Customer requirements • Design brief • Organisation work procedures • Legislation, regulations and industry codes of practice relevant to the product • Quality and Australian standards and procedures
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Unit Sector(s)

Unit sector	Furnishing Design
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Co-requisite units

Co-requisite units	
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Functional area

Functional area	
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