



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **LMFDN4005A Work within a furniture design team**

**Release: 1**

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### **Modification History**

Not applicable.

### **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**

Not applicable.

### **Licensing/Regulatory Information**

Not applicable.

### **Pre-Requisites**

Not applicable.

### **Employability Skills Information**

Not applicable.

### **Elements and Performance Criteria Pre-Content**

Not applicable.

# Elements and Performance Criteria

## Elements and Performance Criteria

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

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**

Not applicable.

## Evidence Guide

The Evidence Guide identifies the critical aspects, knowledge and skills to be demonstrated to confirm competency for this unit. This is an integral part of the assessment of competency and should be read in conjunction with the Range Statement.

### 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.

### Underpinning 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

OH&S requirements

### Underpinning skills

Information. Research, collect, organise and understand information related to the design, including the relevant technical, regulatory, cultural, environmental and safety requirements.

Communication. Communicate ideas and information to enable clarification of the requirements, co-ordination of work with other workers and customers, and the reporting of work outcomes and problems.

Planning. Plan and organise activities, including the obtaining of systems and materials to avoid any back tracking, workflow interruptions or wastage.

Teamwork. Work with others and in a team by recognising dependencies and using co-operative approaches to optimise workflow and productivity.

Mathematical ideas and techniques. Use mathematical ideas and techniques to correctly complete measurements and calculations required to support the design activity.

Solve problems. Create and apply systematic problem solving techniques to anticipate problems, avoid reworking and avoid wastage.

Use of technology. Use the workplace technology related to design, including drafting tools and equipment, calculators and measuring devices and computing/computer-aided systems.

### 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.

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## Range Statement

The Range Statement provides advice to interpret the scope and context of this unit of competency, allowing for differences between enterprises and workplaces. It relates to the unit as a whole and facilitates holistic assessment. The following variables may be present for this particular unit.

### 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 or interpretation of sketches and custom made.

### Unit context

OH&S 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, for example:

patternmaker

sample hand/machinist

marketing/sales

management

customer.

### Information and procedures

Product catalogues, style manuals or equivalent.

Enterprise business plans and products.

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)**

Not applicable.