



Australian Government

MSFUP3004 Lay out patterns and cut leather

Release: 1

MSFUP3004 Lay out patterns and cut leather

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers selecting leather hides, laying out patterns and cutting out leather by hand to the required shape or pattern.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Competency Field

Unit Sector

Upholstery

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

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|---|------------------|-----|---|
| 1 | Prepare for work | 1.1 | Specifications, patterns and/or plans are read and interpreted to identify required colour and quality of materials, number of items to be cut and tools and equipment required |
| | | 1.2 | Work health and safety (WHS) requirements, including personal protection needs, are observed throughout the work |
| | | 1.3 | Suitable work area is selected, prepared and cleaned of any contaminants |
| | | 1.4 | Pattern pieces are identified to match shapes to final wear characteristics of the furnishing component |
| | | 1.5 | Suitable scissors and/or blades are selected for the leather to be cut |
| | | 1.6 | Scissors and any other tools and equipment are checked prior to use for appropriate sharpness, operation and safe |

		condition
	1.7	Hide is selected, spread out and inspected to identify flaws and harder and softer wearing parts
	1.8	Direction of natural markings and finished side of the leather are identified
2	Lay out pattern	
	2.1	Patterns are laid out following workplace procedures and instructions using low wear parts of the hide on the less heavily used furniture components
	2.2	Patterns are laid out to maximise use of the hide for the furniture design
	2.3	Any registration points on the pattern and other instructions to match required pattern components are marked
	2.4	Any required measurements are made and appropriate adjustments made
3	Cut leather	
	3.1	Required cutting operations are completed with cut-out leather components identified in accordance with work instructions and procedures
	3.2	Cut work is inspected, any faults identified and appropriate action taken in accordance with workplace procedures to ensure cut pieces meet the required quality standards
	3.3	The performance of the cutting equipment is regularly checked for signs of faulty operation, including evidence from the inspection of cut pieces
	3.4	Where required, cut out components are wrapped using appropriate protective covers and care label information is attached
4	Complete work	
	4.1	Unused materials are stored as required
	4.2	Cut components are folded, protected and despatched to next process following workplace procedures
	4.3	Work area is cleaned and damaged tools tagged, as required
	4.4	Waste is collected and bundled for recycling/reuse, as required

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency. Detail on appropriate performance levels for each furnishing unit of competency in reading, writing, oral communication and numeracy utilising the Australian Core Skills Framework (ACSF) are provided in the Furnishing Training Package Implementation Guide.

Range of Conditions

Specifies different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included. Range is restricted to essential operating conditions and any other variables essential to the work environment.

Unit context includes:

- WHS requirements, including legislation, building codes, material safety management systems, hazardous and dangerous goods codes, and local safe operating procedures or equivalent
- work is carried out in accordance with legislative obligations, environmental legislation, relevant health regulations, manual handling procedures and organisation insurance requirements
- work requires individuals to demonstrate some discretion, judgement and problem solving

Leather hide characteristics/qualities include:

- suitable thickness and quality (may be a full hide or partial)
- natural markings
- finished and unfinished sides
- high and low wear
- direction of markings
- flaws and blemishes
- colour variation between hides
- flexibility

Tools and equipment include:

- scissors
- cutting blades and electric shears

Personal protective equipment includes:

- that prescribed under legislation, regulations and enterprise policies and practices:
 - safety glasses/goggle
 - hair nets
 - ear muffs/plugs
 - gloves

Information and procedures include:

- footwear and protective clothing
- workplace procedures relating to the use of tools and equipment
- work instructions, including job sheets, cutting lists, plans, drawings and designs
- workplace procedures relating to reporting and communication
- manufacturer specifications and operational procedures

Unit Mapping Information

Supersedes and is equivalent to LMFUP3004B Lay out patterns and cut leather.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>

Assessment Requirements for MSFUP3004 Lay out patterns and cut leather

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Performance Evidence

- Interpret work order and locate and apply relevant information
- Apply safe handling requirements for equipment, products and materials, including use of personal protective equipment
- Identify materials used in the work process
- Follow work instructions, operating procedures and inspection processes to:
 - minimise the risk of injury to self or others
 - prevent damage to goods, equipment and products
 - maintain required production output and product quality
- As a minimum:
 - identify and select leather for a leather armchair
 - measure and cut selected leather to match patterns
- Use mathematical ideas and techniques to correctly complete measurements, calculate area and estimate material requirements
- Communicate ideas and information to enable confirmation of work requirements and specifications and the reporting of work outcomes and problems, interpret basic plans and follow safety procedures
- Avoid backtracking, work flow interruptions or wastage
- Work with others and in a team by recognising dependencies and using cooperative approaches to optimise work flow and productivity

Knowledge Evidence

- Work requirements, including workplace standards and inspection procedures
- Leather types, common faults, and wear capability of different parts of the hide
- Work flow in relation to cutting leather
- Design features of the finished furnishing items in relation to laying out the pattern and cutting the leather

Assessment Conditions

- Assessors must:
 - hold training and assessment competencies as determined by the National Skills Standards Council (NSSC) or its successors

- have vocational competency in the furnishing industry at least to the level being assessed with broad industry knowledge and experience, usually combined with a relevant industry qualification
- be familiar with the current skills and knowledge used and have relevant, current experience in the furnishing industry.
- Assessment methods must confirm consistency of performance over time rather than a single assessment event and in a range of workplace relevant contexts.
- Assessment must be by observation of relevant tasks with questioning on underpinning knowledge and, where applicable, multimedia evidence, supervisor's reports, projects and work samples.
- Assessment is to be conducted on single units of competency or in conjunction with other related units of competency. Foundation skills are integral to competent performance in the unit and should not be assessed separately.
- Assessment must occur on the job or in a workplace simulated facility with relevant process, equipment, materials, work instructions and deadlines.
- Access is required to appropriate scissors and cutting blades, leather, patterns and a work order.

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