



Australian Government

MSFFM3010 Prepare cutting list from plans and job specifications

Release: 1

MSFFM3010 Prepare cutting list from plans and job specifications

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers reading plans and job specifications to prepare cutting lists and providing data for subsequent processing operations.

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

Pre-requisite Unit

Competency Field

Unit Sector

Furniture Making

Elements and Performance Criteria

Elements describe the essential outcomes.		Performance criteria describe the performance needed to demonstrate achievement of the element.	
1	Read plans and job specifications	1.1	Job specifications, set-out rods and plans are used to determine the job requirements, including cutting list, dimension, design, quality materials and processes
		1.2	Job components are established according to job specification and workplace procedures
		1.3	Geometry of components are established according to specifications
2	Prepare cutting lists	2.1	Work health and safety (WHS) requirements, including personal protection needs, are observed throughout the work
		2.2	Cutting list is checked and set out in accordance with workplace procedures, plans and specifications
		2.3	Components are identified and described using common

		workplace terminology
	2.4	Sizes and tolerance of components are established and documented in accordance with workplace procedures
	2.5	Processing requirements are identified and documented
	2.6	Dimensional allowances for further processing are identified and documented
3	Read and interpret cutting lists	3.1 Cutting list is read and interpreted in accordance with the job requirements
		3.2 Quantities and dimensions are interpreted
		3.3 Quality standards and waste factors are considered
		3.4 Processing methods are established
		3.5 Processing time is identified

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 scope includes:**
- reading of plans and specifications and the preparation of cutting lists for the production of furniture components
 - preparation of cutting lists may be completed by both manual and computer assisted/generated means
- Unit context includes:**
- WHS requirements, including legislation, building codes, material safety management systems, hazardous substances and dangerous goods codes, and local safe operating procedures
 - 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 in the reading of plans and specifications and the preparation of cutting lists • competency may be determined in workplaces involved in the manufacture of solid timber furniture, domestic furniture, commercial furniture, kitchen and bathroom cabinets and/or furniture components
Materials to be considered include:	• solid timber • manufactured board • metal • plastics • glass
Personal protective equipment includes:	• that prescribed under legislation, regulations and enterprise policies and practices
Information and procedures include:	• 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 LMFFM3012B Prepare cutting list from plans and job specifications.

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 MSFFM3010 Prepare cutting list from plans and job specifications

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Performance Evidence

- Locate, interpret and apply relevant information
- Apply safe handling requirements for equipment, products and materials, including use of personal protective equipment
- Identify materials and tools used in the work process
- Follow work instructions, operating procedures and manufacturers' instructions to:
 - minimise the risk of injury to self and others
 - prevent damage to goods, equipment and products
 - maintain optimum production output and product quality
- Interpret production plans and prepare cutting lists on a minimum of four (4) occasions with lists each having at least ten (10) different components and, overall, the lists incorporating four (4) different types of material
- 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
- Minimise wastage of resources, including materials, time and money
- Work with others and in a team by recognising dependencies and using cooperative approaches to optimise work flow and productivity

Knowledge Evidence

- Characteristics of materials and tooling used and use of products programmed
- Identification of equipment, processes and procedures
- Pattern techniques for optimising materials

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 plans and specifications, standard cutting list formats and workplace standard processing procedures.

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