



Australian Government

MSFFM3011 Measure and draw site layout for manufactured furniture products

Release: 1

MSFFM3011 Measure and draw site layout for manufactured furniture products

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers measuring and recording site layout details to provide an accurate basis for both manufacture and installation of furniture products.

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	Obtain measurements	1.1	The purpose of obtaining measurements is clarified and confirmed
		1.2	The most appropriate method of obtaining the measurement is selected and applied
		1.3	Accurate measurements are obtained, confirmed and recorded
		1.4	Calculations required for the measurement or validation are selected and correctly applied
		1.5	Quality assurance requirements, standards and tolerances associated with enterprise operations are recognised and adhered to
2	Draw site layout	2.1	Intended use of the site is clarified and confirmed

- 2.2 A site plan is prepared showing all features and measurements
- 2.3 A site elevation is completed showing all features and measurements
- 2.4 Unique and non-complying features which may impact on manufacture and/or installation are highlighted and referred to the appropriate party

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: | <ul style="list-style-type: none">• measurement and drawing of site layout related to the manufacture and installation of furniture, cabinets, glass, soft furnishings, upholstery, picture framing and floor covering products |
| Drawing include: | <ul style="list-style-type: none">• manual or computer-aided |
| Measurements: | <ul style="list-style-type: none">• are to be in metric scale, cover all dimensions of the site and furnishings and involve the use of:<ul style="list-style-type: none">• rulers• tape measures• squares• service detectors• laser or equivalent technology |
| Critical dimensions that may impact on manufacture and installation include: | <ul style="list-style-type: none">• the square of the structure• angles of floor to walls• walls to ceiling• vertical walls |

	• horizontal floor and ceiling • service locations and critical structural criteria
Calculations include:	• area • perimeter • volume • mass • scales and ratios (ingredients/elements and triangulation) and require the application of addition • subtraction • multiplication and division processes • calculations are to be performed both manually and with the aid of a calculator
Unit context includes:	• work health and safety (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
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 LMFFM3013B Measure and draw site layout for manufactured furniture products.

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 MSFFM3011 Measure and draw site layout for manufactured furniture products

Modification History

Release 1 - New unit of competency

Performance Evidence

- Identify the factors relevant to the measurements and drawings
- Communicate effectively to enable accurate calculations, measurements and drawings
- Accurately measure and record particulars for required sector sites and materials
- Draw accurate, scaled plans and elevations relevant to the site using manual or computer-aided methods
- Identify and communicate on measurements and dimensions which may impact on manufacture and/or installation
- 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

Knowledge Evidence

- Furniture design and planning criteria
- Drawing techniques, technologies and processes
- Furniture installation methods, criteria and techniques
- Measurement techniques and equipment/tools
- Theory and practice of calculations (addition, subtraction, multiplication and division)
- Conventional signs and markings for plans and drawings

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 information on the site and products for measurement and calculation, suitable work area appropriate to the activity, suitable site plans/drawings and/or specifications, and measuring, calculating and recording devices.

Links

Companion Volume implementation guides are found in VETNet -

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