



Australian Government

MSFKB4007 Design ancillary residential cabinetry

Release: 1

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Modification History

Release 1 - New unit of competency

Application

This unit of competency covers identifying client requirements for residential cabinetry outside of kitchen, bathroom and laundry applications, including developing and documenting designs to inform production and installation processes.

Licensing, legislative or certification requirements may apply to this unit and relevant state/territory and local government agencies should be consulted to determine any necessary certification or licensing for undertaking kitchen and bathroom work. Access to construction sites requires certification of general induction training specified by the *National Code of Practice for Induction for Construction Work* (ASCC 2007).

Pre-requisite Unit

Competency Field

Unit Sector

Kitchens and Bathrooms

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1 Determine design requirements	1.1 Client requirements for ancillary cabinetry are identified and verified with the client 1.2 Design parameters are determined 1.3 Site measurements are taken and recorded 1.4 Design requirements and client information are documented
2 Develop design options	2.1 Drawings are completed to visually represent cabinet design ideas 2.2 Cabinet design ideas and options are discussed with client

		2.3	Client preferences are determined and design option selected with the client
3	Develop design proposal	3.1	Measurements and dimensions are documented
		3.2	Structural features and components are identified
		3.3	Construction and installation requirements are determined
		3.4	Labour requirements are determined
		3.5	Costs involved to implement design are calculated
		3.6	Design proposal is developed and specifications documented
		3.7	Design documentation and quote is provided for client consideration

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:**
- work health and safety (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 individual to demonstrate some discretion, judgement and problem solving by cabinetmakers and

	designers who provide designs for custom built cabinets for installation in residential situations
Client requirements include:	• location and fit • measurements and dimensions • purpose • materials and finishes • structural features • budget • timing
Ancillary cabinetry includes:	• built-in entertainment units • built-in cupboards • shelving • external kitchen components • bathroom cabinets
Design parameters include:	• quality finish • relationship with other features of the room • structural and functional requirements and limitations • colour, style and tone
Drawings include:	• computer-aided drawings • manual drawings • sketches
Options include:	• materials • structural features • options to reduce costs • variety of ways to achieve client requirements
Structural features include:	• doors, shelving, drawers and rails • openings • legs, plinths and kickboards
Components include:	• handles, knobs and drawers • hinges and runners
Construction and installation requirements include:	• use of screws, fixtures and patented devices • use of adhesives, clips and fasteners • use of sealants • material requirements • manufacturing processes • on-site production requirements • special production requirements, such as use of specialised equipment • removal of furnishings • waste removal
Design documentation	• drawings

includes:

- specifications
- construction information
- timelines
- product codes and specifications
- delivery details
- special conditions
- measurements and dimensions

Unit Mapping Information

Supersedes and is equivalent to LMFKB4007A Design ancillary residential cabinetry.

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 MSFKB4007 Design ancillary residential cabinetry

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Performance Evidence

- Liaise with client to establish design requirements for ancillary residential cabinetry
- Inspect the installation site to take measurements, identify available services and structural features and develop cabinetry design options to discuss with the client
- Calculate trade and associated labour costs such as plant/equipment and overheads for completing the design brief work to specifications
- Produce and present to the client a quote that documents cabinetry fabrication, installation and design costs in a manner that informs the client of their choices and the details of the inclusions
- Confirm client choices for the cabinetry and complete design documentation, including drawings, costing and specifications for client approval
- 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

- Processes used for the construction and installation of cabinets
- Features and limitations of cabinets and components
- State or territory WHS legislation, regulations, standards and codes of practice relevant to cabinets and components
- Relevant information resources
- Costing techniques

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, supervisor's reports and completed design and quotation documentation for residential cabinetry.
- 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 work-related information resources.

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