



Australian Government

MSFKB3005 Fabricate cabinets for the built-in environment

Release: 1

MSFKB3005 Fabricate cabinets for the built-in environment

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers planning production processes, and constructing and assembling components to fabricate cabinets that meet predetermined specifications in a manufacturing workshop environment. It includes operating computer numerically controlled (CNC) and static machines.

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

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	Plan cabinet construction	1.1	Workplace health and safety (WHS) requirements, including personal protection needs, are observed throughout the work
		1.2	Drawings, specifications and customer instructions are completed or interpreted, including design, tolerances, process, materials, finish and quantity
		1.3	Construction techniques to be used in cabinet manufacture are identified and selected
		1.4	Industry standards for cabinet construction are determined
		1.5	Construction and assembly sequence is planned
		1.6	A cutting list is developed from the plan

- 1.7 Tools, machines and equipment suitable for construction are identified and checked for safe and effective operation
 - 1.8 Procedures for checking quality at each stage of the process are determined
 - 1.9 Work area is cleared and prepared for production
 - 2 Select and prepare materials for cabinet construction
 - 2.1 Features, benefits and limitations of materials and components used for cabinet construction are identified
 - 2.2 Surface treatments used for cabinets in a range of applications are identified
 - 2.3 Industry standards for materials used in cabinets are identified
 - 2.4 Materials to meet the customer requirements are selected and prepared for use
 - 3 Select and prepare cabinet components
 - 3.1 Features, benefits and limitations of components used for cabinets in a range of applications are identified
 - 3.2 Components to meet the customer requirements are selected and prepared for use
 - 4 Construct cabinets
 - 4.1 Observe WHS requirements, including personal protection needs, throughout the work
 - 4.2 Use tools, machines and equipment in accordance with safety requirements and manufacturer specifications
 - 4.3 Cut and form materials in accordance with the plan
 - 4.4 Cabinets are manufactured and checked against set-outs for tolerances, fit and accuracy
 - 4.5 Product is checked against plans at identified checkpoints
 - 5 Assemble cabinets
 - 5.1 Cabinets are assembled using components identified in construction plan
 - 5.2 Components are attached and checked against set-outs for accuracy, fit, twist and distortion
 - 5.3 Doors, drawers and shelves are assembled and fitted
 - 5.4 Product is prepared for final finish, including the removal

- of bruises, scratches, dents and marks
- 5.5 Work area is cleaned and rubbish disposed of according to environmental standards
- 5.6 Workplace documentation is completed

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 individual to demonstrate some discretion, judgement and problem solving
- Construction techniques include:**
- use of CNC or static machinery
 - computer-aided manufacturing (CAM)
- Tools, machines and equipment include:**
- CNC equipment
 - static machines
 - hand and power tools
 - measuring devices
- Materials include:**
- glass
 - particleboard
 - fibre board
 - solid timber

- veneer
 - vinyl
 - laminates
 - adhesives
 - tops
 - edges
- Surface treatments include:**
- lacquers, polishes and oils
 - laminates
 - paints
- Range of applications includes:**
- kitchens or bathrooms
 - other domestic settings, such as laundries
- Components include:**
- baskets
 - rollers
 - hinges
 - dowel
 - pins
 - cams
 - metal frames
 - connectors
 - patented devices
 - handles
- 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 LMFKB3005A Fabricate cabinets for the built-in environment.

Links

Companion Volume implementation guides are found in VETNet -

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

