



Australian Government

MSFGG2001 Use glass and glazing sector hand and power tools

Release: 1

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Modification History

Release 1 - New unit of competency

Application

This unit of competency covers selecting and using hand and power tools in applications relating to the glass and glazing sector of the furnishing industry, including basic aluminium fabrication.

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

Pre-requisite Unit

Competency Field

Unit Sector

Glass and Glazing

Elements and Performance Criteria

Elements describe the essential outcomes.

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

1	Identify hand and power tools	1.1	Types of hand and power tools and their functions are identified
		1.2	Sources of, and access to, power supply are recognised and used safely
		1.3	Work health and safety (WHS) requirements for using hand and power tools are recognised and implemented
2	Select and use hand tools	2.1	Hand tools are selected consistent with needs of job
		2.2	Hand tools are checked for serviceability and safety and any faults reported to supervisor in accordance with enterprise procedures
		2.3	Equipment is selected to hold, position or support material for hand tool application, where applicable

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| | 2.4 | Material is located and held in position for hand tool application | |
| | 2.5 | Hand tools are safely and effectively used according to their intended use and safely stored when not in immediate use | |
| 3 | Select and use power tools | 3.1 | Appropriate personal protective equipment is selected, correctly fitted and used at all times |
| | | 3.2 | Power tools are selected consistent with needs of job in accordance with conventional work practice |
| | | 3.3 | Power tools are visually checked for serviceability/safety in accordance with WHS requirements and any faults reported to supervisor in accordance with enterprise procedures |
| | | 3.4 | Equipment is selected to hold, position or support materials for power tool application, where applicable |
| | | 3.5 | Material to be worked on is located and held in position for power tool application, where applicable |
| | | 3.6 | Power tools are safely and effectively used in application processes |
| | | 3.7 | Power tools are safely switched off and stored when not in use |
| 4 | Clean up work area and tools | 4.1 | All tools and equipment are cleaned, maintained and stored with relevant documentation completed in accordance with enterprise procedures |
| | | 4.2 | Work area is cleared and waste removed |

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 organisational safe operating procedures or equivalent
- work is carried out in accordance with state and federal legislative obligations, environmental legislation, manual handling procedures and organisation insurance requirements
- work requires individuals to demonstrate some discretion, judgement and problem solving

Hand tools used in the glass and glazing sector include:

- tungsten wheel glass cutters
- speed cutters
- circle cutters
- vacuum straight edges
- lever and vacuum lifters
- plate and running pliers
- pop rivet pliers
- screwdrivers
- tools for aluminium:
 - knives
 - sheers
 - measuring devices
 - straight edge
 - square
 - assorted hammers
 - rollers
 - combination saw

Power tools used in the glass and glazing sector include:

- portable electric drills
- grinders
- circular saws and jig saws
- plunge routers
- sanders
- drop, radius, mitre and upcut saws
- bench drills and grinders
- portable pneumatic drills
- nail and staple guns
- pop rivet guns and compressors
- tools for aluminium:

- assorted air tools
 - assorted electric tools
 - compressor
 - rivet gun
 - metal press and dies
- Personal protective equipment includes:**
- that prescribed under legislation, regulation and enterprise policies and practices:
 - gauntlets
 - gloves
 - safety glasses
 - ear protection
 - hard hats
 - safety footwear
 - aprons and overalls
- Information and procedures include:**
- workplace procedures relating to the use of tools and equipment and personal protective 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 LMFGG2001C Use glass and glazing sector hand and power tools.

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>