



Australian Government

MSFGG3002 Assess glass and glazing requirements

Release: 1

MSFGG3002 Assess glass and glazing requirements

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers assessing and identifying glass and glazing requirements for buildings to comply with Australian Standards. It involves determining and evaluating glass and glazing requirements and may be performed in workplaces which are involved in the manufacture, processing and/or installation of sheet glass.

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 work requirements	1.1	Customer requirements and expectations regarding glass and glazing work or technical advice are identified
		1.2	Work health and safety (WHS) requirements for assessing glass and glazing requirements are observed throughout the work
		1.3	Requirements are recorded according to workplace procedures and requirements
		1.4	The process for assessing glass and glazing requirements is identified
2	Prepare for work	2.1	Work sequence is planned in a logical order to suit the job
		2.2	Research materials are accessed and analysed for applicability

	2.3	Product supply sources are contacted to ascertain current developments, if appropriate
3	Conduct assessment	3.1 Influencing factors are identified and their significance and impact on the end product determined
	3.2	Products/types of glass are identified and their application determined
	3.3	Technical or other professional advice is sought, if applicable and available, in accordance with workplace procedures
	3.4	Optimal solution is identified and specifications confirmed
4	Complete work	4.1 Solution is converted into work instructions/job orders in accordance with workplace procedures
	4.2	Other documentation, including any advice/referral to customer, is completed in accordance with workplace practices

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.

Glass and glazing assessment includes:

- the formal and documented process or informal on-the-job assessment of a situation/requirement assessment required for all glass and glazing tasks
- compliance with:
 - AS 1288:2006 Glass and glazing in buildings - Selection and installation (sections 4, 5 and 8)
 - AS/NZS 2208:1996 Safety glazing materials in

	buildings
	• AS/NZS 4668:2000 Glossary of terms used in the glass and glazing industry • factors influencing the assessment, including: • wind loading considerations • human impact considerations
Tools and equipment include:	• tape measures • calculators • glass thickness and glazing material indicators • product data and samples • relevant standards/codes • stationery and calculator
Workplace procedures include:	• work procedures/instructions relating to assessment of glass and glazing requirements • regulatory/legislative requirements, particularly those pertaining to building codes, WHS and environmental requirements • manufacturer specifications and instructions, particularly those pertaining to new products/developments

Unit Mapping Information

Supersedes and is not equivalent to LMFGG3002C Assess glass and glazing requirements.

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 MSFGG3002 Assess glass and glazing requirements

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Performance Evidence

- Locate, interpret and apply information for situation to be assessed and:
 - apply the requirements of AS 1288:2006 Glass in buildings - Selection and installation (sections 4, 5 and 8, including scope, definitions, abbreviations and symbols) and AS/NZS 2208:1996 Safety glazing materials in buildings and AS/NZS 4668:2000 Glossary of terms used in the glass and glazing industry
 - correctly complete measurements, calculate work requirements, optimise glass sizes for application and assembly of required resources
 - use workplace technology related to the assessment of glass and glazing requirements
 - determine thickness limits for standard nominal thickness of glass
 - identify and calculate aspect ratios
 - understand and apply the principles of wind loadings
 - determine minimum nominal glass thicknesses for various glazing situations affected by human impact
 - identify types of safety glazing materials
 - determine the appropriate safety glazing materials for various glazing situations
 - identify basic installation details for glazing
- 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

- Workplace operating procedures and AS 1288:2006 Glass in buildings - Selection and installation (sections 4, 5 and 8)
- AS/NZS 2208:1996 Safety glazing materials in buildings
- AS/NZS 4668:2000 Glossary of terms used in the glass and glazing industry
- Qualities and characteristics of glass, including types, qualities, applications and limitations
- Products and processes and current trends and developments in glass and glazing techniques/applications
- Workplace safety system requirements related to the handling and installation of glass

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 work requirements for glass and glazing assessment, workplace operating procedures and relevant equipment.

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