



Australian Government

MSFGG2013 Move single glass sheets by mechanical means

Release: 1

MSFGG2013 Move single glass sheets by mechanical means

Modification History

Release 1. Supersedes and is equivalent to MSFGG2006 Move single glass sheets by mechanical means.

Application

This unit describes the skills and knowledge required to plan for, and move sheet glass by mechanical means individually and as part of a team.

This unit applies to glass processing workers and glaziers working in accordance with established procedures.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Pre-requisite Unit

N/A

Unit Sector

Glass and Glazing

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for glass moving	1.1 Read work instructions and identify type and quantity of glass to be relocated 1.2 Identify and follow work health and safety requirements, using all required personal protective equipment 1.3 Identify glass sheets to be moved and estimate or calculate weight using appropriate method 1.4 Identify risks to self, others, material and equipment arising from the required lifting, load carrying, set down or movement of glass 1.5 Correctly identify mechanical handling equipment and teamwork requirements based on the size, weight and type of glass
2. Plan glass movement	2.1 Identify destination for glass and determine routes to be followed 2.2 Compare required clearances to available space and make

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	adjustments 2.3 Plan process for relocating glass in accordance with workplace procedures, and include contingency measures for potential difficulties 2.4 Check proposed process against advisory standards and workplace procedures for compliance
3. Relocate glass	3.1 Set and test equipment settings and safety controls in accordance with workplace procedures with faulty equipment tagged and alternative arrangements made 3.2 Check glass for imperfections and damage prior to movement 3.3 Operate equipment in accordance with approved advisory standards, manufacturer instructions, workplace procedures and safety requirements 3.4 Follow planned process and route and relocate glass without damage to material, personnel or equipment 3.5 Attach required labels and store glass in accordance with workplace procedures ensuring there are no projections 3.6 Check relocation to see that it meets work requirements, and report any differences
4. Complete work	4.1 Clean, maintain and store handling equipment in accordance with workplace procedures 4.2 Accurately complete required workplace documentation

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and is equivalent to MSFGG2006 Move single glass sheets by mechanical means.

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 MSFGG2013 Move single glass sheets by mechanical means

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and:

- relocated glass sheets of different types, thicknesses and weights in accordance with safety requirements and all relevant regulations and standards:
 - laminated and/or tempered and annealed float
 - 3 different weights and sizes, with 2 measuring at least 4.0m² and weighing at least 100 kg
- used 3 of the following types of equipment:
 - gantry or mobile crane up to 4.9 SWL
 - glass dolly
 - mini crane with vacuum sucker
 - portable lifter
 - scissor grab
 - vacuum rig
- moved sheet glass as part of a team on at least 1 occasion.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- mathematical procedures for calculation of glass weight
- glass sheet movement by mechanical means:
 - quality, characteristics and behaviour of glass sheet when lifted and moved
 - risks and hazards
 - workplace safety system requirements
 - work flow requirements
 - principles and techniques, the types of problems that may occur and how to avoid and respond
- capabilities, operating processes and procedures for mechanical handling equipment:
 - weight load limits (WWL) and how to determine
 - safe working load (SWL) tables and how to use
 - gantry cranes up to 4.9 safe working load (SWL)

- scissor grabs
- vacuum rigs
- portable lifter
- features of glass sheet storage systems
 - documentation requirements for glass movement.
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Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - glass sheets to be moved
 - equipment, tools and materials to complete tasks specified in the Performance Evidence
 - safety and personal protective equipment
 - work orders
 - workplace procedures.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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