



Australian Government

MSFGG3040 Move block and bulk glass sheet by mechanical means

Release: 1

MSFGG3040 Move block and bulk glass sheet by mechanical means

Modification History

Release 1. Supersedes and is equivalent to MSFGG3003 Move block and bulk glass sheet by mechanical means.

Application

This unit describes the skills and knowledge required to plan for and move block and bulk flat glass by mechanical means in workplaces which are involved in the manufacture, processing and/or installation of sheet glass.

This unit applies to glass processing workers.

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 the task	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 blocks of glass sheet 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 based on the size, weight and type of glass

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
2. Plan glass movement	2.1 Identify destination for glass and routes to be followed based on work order or storage procedures 2.2 Compare required clearances to available space and make required 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 injury or damage to material and equipment 3.5 Label glass in accordance with workplace procedures, ensuring there are no projections 3.6 Check relocation against work requirements, and report any differences to relevant personnel
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 MSFGG3003 Move block and bulk glass sheet 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 MSFGG3040 Move block and bulk glass sheet 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 mid-range (at least 2440x3660mm) block glass in accordance with safety requirements and all relevant regulations and Australian Standards:
 - on 3 different occasions
 - used block lifters in conjunction with gantry cranes
 - completed relocations that involve at least 2 of the following:
 - trucks
 - containers
 - freefall or fixed racks or frame trolley
- relocated end caps and/or cases using chains and/or slings in conjunction with gantry cranes at least once.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- mathematical procedures for calculation of glass weight
- block and bulk glass movement by mechanical means:
 - quality, characteristics and behaviour of block 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:
 - gantry cranes
 - block lifters
 - slings and chains (Australian Standards AS 1418 and licensing requirements)
- specific issues associated with the loading and unloading of containers
- features of block and bulk glass 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 storage and handling area
 - equipment, tools and materials as specified in the Performance Evidence
 - block and bulk glass sheet to be relocated
 - safety and personal protective equipment
 - work orders
 - workplace procedures.

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

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