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| Title | Load and unload, and move and store glass from vehicles used to transport glass | | |
| Level | 3 | Credits | 10 |

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| Purpose | People credited with this unit standard can: <ul style="list-style-type: none"> • load glass on to a glazing vehicle; • unload glass from a glazing vehicle; and • move and store glass unloaded from vehicles used to transport glass. |
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| Classification | Construction Trades > Glazing |
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| Available grade | Achieved |
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Guidance Information

1 Assessment

This unit standard must be assessed under the supervision of a commercially competent glazing practitioner in workplace conditions that reflect:

- current health, safety, industry, and workplace requirements; and
- industry requirements for commercially acceptable timeframes.

Evidence generated for assessment against this standard must be verified by a person who has current expertise in the glazing trades and has had the opportunity to regularly observe the candidate in the workplace.

2 Loading and unloading glass must be completed without injury to personnel or damage to products and equipment. Personal protective equipment (PPE) must be used to meet regulatory and worksite requirements.

3 Definitions

Personal protective equipment (PPE) includes – anything used or worn by a person (including clothing) to minimise risks to the person's health and safety.

Worksite requirements refer to instructions to staff on policy and procedures which are documented in manual format and are available in the workplace. These requirements include – company specifications and procedures, work instructions, manufacturer's specifications, product quality specifications, legislative requirements.

- 4 Evidence generated for assessment against this standard must reflect the best practice guidelines and principles specified in:
- Official New Zealand Truck Loading code – *Code of Practice for the Safety of loads on Heavy Vehicles* (current edition); available at <https://www.nzta.govt.nz>;
 - New Zealand Code of Practice for Manual Handling (2001), available at: <https://www.worksafe.govt.nz/> (accessed: 12 July 2022);
 - NZS 4223.1:2008. *Glazing in buildings – Part 1: Code of practice for glazing in buildings – Glass selection and glazing*;
 - NZS 4223.2:2016. *Glazing in buildings – Part 2: Insulating glass units*;
 - NZS 4223.3:2016. *Glazing in buildings – Part 3: Human impact safety requirements*;
 - AS/NZS 4668:2000. *Glossary of terms used in the glass and glazing industry*.
- AS/NZS and NZS standards are available at <http://www.standards.govt.nz>.

Outcomes and performance criteria

Outcome 1

Load glass on to a glazing vehicle.

Range manually, mechanically

Performance criteria

1.1 Determine requirements for moving glass.

Range size, weight, and type of finish of the glass.

1.2 Determine lifting requirements for moving glass.

Range may include – trolleys, retaining methods, provision for separation, lifting A-frames, moving machinery and equipment compliance - chains and strops; vacuum lifter, glass grabs; manual lifting – joster, trolley.

1.3 Inspect glass for damage before handling and remove any damaged glass.

1.4 Review vehicle loading capacity.

Range total load weight in relation to carrying capacity of vehicle, load distribution, size restrictions, protection of glass, method of securing, sequence for removal.

1.5 Load the glass.

Range interleaving, edge protection and support, spacing, use of appropriate lifting and handling equipment and techniques, use of PPE and other safety actions including exclusion zones, methods for securing the glass.

1.6 Complete post loading checks.

Outcome 2

Unload glass from a glazing vehicle.

Performance criteria

2.1 Determine unloading requirements and unload glass.

Range order of removal, location for unloaded material and access to that location and terrain, selection of lifting and carrying equipment, PPE and exclusion zones, load distribution.

2.2 Unload glass to meet site procedures.

Range security and safety, designated delivery points.

2.3 Complete post-unloading checks.

Outcome 3

Move and store glass unloaded from vehicles used to transport glass.

Performance criteria

3.1 Select lifting and moving equipment.

Range location of storage, protection from other trades, secure glass against wind during movement, safety of others onsite.

3.2 Place glass in storage location.

Range protection of glass, access for use, safety of others on-site.

3.3 Complete equipment checks.

Range worn out gear, report equipment faults.

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| Planned review date | 31 December 2029 |
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Status information and last date for assessment for superseded versions

| Process | Version | Date | Last Date for Assessment |
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| Registration | 1 | 24 November 2022 | 31 December 2025 |
| Review | 2 | 28 November 2024 | N/A |

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| Consent and Moderation Requirements (CMR) reference | 0048 |
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Waihangara Rau Construction and Infrastructure Workforce Development Council at qualifications@waihangaraarau.nz if you wish to suggest changes to the content of this unit standard.