

Title	Apply knowledge of quality compliance in glass processing		
Level	4	Credits	10

Purpose	People credited with this standard are able to: demonstrate knowledge of documentation used for glass processing specifications and quality compliance; interpret working drawings and specifications for glass processing quality compliance; and verify produced glass items meet specifications and quality compliance requirements.
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Classification	Glass and Glazing > Glass Processing and Manufacturing
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Available grade	Achieved
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Guidance Information

- 1 Legislation and guidelines relevant to this unit standard include:
[Health and Safety at Work Act 2015](#);
[Building Act 2004](#);
Safe Use of Machinery: Best Practice Guidelines; available from www.worksafe.govt.nz;
SNZ TS 4211: 2022, *Specification for performance of windows*;
NZS 4223.2:2016, *Glazing in buildings - Part 2: Insulating glass units*;
AS/NZS 2080:2006, *Safety glazing for land vehicles*;
AS/NZS 2208:1996, *Safety glazing materials in buildings*;
AS/NZS 4666:2012, *Insulating glass units*;
AS/NZS 4667:2000, *Quality requirements for cut-to-size and processed glass*;
AS/NZS 4668:2000, *Glossary of terms used in the glass and glazing industry*;
available at <http://www.standards.co.nz>.

Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this unit standard will take precedence for assessment purposes.

- 2 Definitions
Job specifications refer to the scope of the work being undertaken. They include the objectives, quality requirements, deliverables, timeline, and budget.
Workplace procedures refer to the documented procedures specific to a workplace that set out the standard and the required practices of that workplace. These may include job specifications, procedures, practices, manufacturer recommendations, technical data sheets and material safety data sheets.

3 Assessment

Evidence for this unit standard must reflect:

- industry standards, current health, safety, industry, and workplace procedures;
- job specifications and customer requirements;
- industry requirements for commercially acceptable timeframes.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of documentation used for glass processing specifications and quality compliance.

Performance criteria

1.1 Documentation used for glass processing is identified.

Range may include but is not limited to – drawings, sketches, specifications, project scope, project timeline, and job cards. evidence is required of three different types.

1.2 Purpose of each document is described.

Range may include but is not limited to – final product use, product makeup, glass orientation, edgework requirements, shape processing, glass sizes, glass type, and special detail.

1.3 Glass processing documentation is checked against appropriate codes of practice and standards for quality compliance.

Range evidence is required of the codes of practice, industry standards, and legislation applicable to the candidate's workplace.

Outcome 2

Interpret working drawings and specifications for glass processing quality compliance.

Performance criteria

2.1 Abbreviations, dimensioning, drawing notes, and symbols used on working drawings are identified and described.

Range may include but is not limited to – processing abbreviations and symbols, site symbols, scales, joinery symbols, glass finish, dimensions, tolerances, product make up and installation orientation.

2.2 Required materials, consumables, and equipment needed from working drawings and specifications are identified.

- 2.3 Size, scale, and detail of glass items to be processed are determined from working drawings.

Outcome 3

Verify produced glass items meet specifications and quality compliance requirements.

Range three examples of different glass items are required.

Performance criteria

- 3.1 Glass items are produced using supplied documentation and drawings.
- 3.2 Drawings are used to verify that produced glass items meet specifications and quality compliance requirements.
- 3.3 Industry standards and codes of practice are used to verify that produced glass items meet specifications and quality compliance requirements.
- 3.4 Discrepancies between produced glass items and provided documentation are identified and resolved, consulting appropriate personnel to aid in resolving any issues found.

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
Registration	1	24 October 2024	N/A

Consent and Moderation Requirements (CMR) reference	0073
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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 Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council qualifications@hangaarorau.nz if you wish to suggest changes to the content of this unit standard.