

Field Manufacturing

Review of *Glass Processing and Manufacturing* unit standards

Subfield	Domain	ID
Glass and Glazing	Glass Processing and Manufacturing	20491-20493, 20495, 20505, 20508, 20509, 20514, 26035, 28759, 28760

Hanga Aro Rau Manufacturing, Engineering and Logistics Workforce Development Council has completed the review of the unit standards listed above.

Date new versions published

October 2024

Planned review date

December 2029

Summary

Hanga-Aro-Rau Workforce Development Council undertook a review of the Glass Processing domain unit standards from March 2023 as part of the 5-year review cycle. Regular Technical Advisory Group (TAG) meetings were held with a wide range of industry stakeholders, including representatives from industry association Window and Glass Association NZ (WGANZ), employers, training providers, assessment writers and subject matter experts. New Glass Processing unit standards were developed as they traditionally used joinery and glazing unit standards, making it difficult for learners to achieve the required outcomes.

All feedback received was incorporated and endorsed for registration by the stakeholders in late December 2023 and early January 2024.

Main changes

- Guidance information was updated across the suite of unit standards.
- Standard setting body information was updated from Competenz to Hanga-Aro-Rau Workforce Development Council.
- Performance criteria and range statements were updated to reflect current industry practice and legislation accurately.
- Language was simplified for clarity of intent and made consistent across the set.
- Nine unit standards were developed to allow providers and the industry to better target their training.
- Credit changes in unit standards 20493 and 20505 were made to better align with required learning and the increased technology procedures and processes to increase productivity and quality.
- The titles of unit standards 20492, 20493, 26035 and 28760 were updated for clarity.

Category D unit standards will expire at the end of December 2026

The last date for assessment of superseded versions of Category B unit standards is December 2026

Detailed list of unit standards – classification, title, level, and credits

All changes are in **bold**.

Key to review category	
A	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number
B	Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID and a new version number
C	Major changes that necessitate the registration of a replacement standard with a new ID
D	Standard will expire and not be replaced

Manufacturing > Glass and Glazing > Glass Processing and Manufacturing

ID	Title	Level	Credit	Review Category
20491	Manufacture screen printed glass	4	10	B
20492	Manufacture laminated glass Manufacture laminated safety glass	4	10	B
20493	Manufacture Insulated Glass Units (IGUs) Manufacture insulated glass units	4	10 15	B
20495	Manufacture toughened and heat strengthened glass	4	10	B
20505	Cut glass with an automated or semi-automated machine	4	10 15	B
20508	Notch and cut out glass manually	4	10	D
20509	Drill and countersink glass	4	5	D
20514	Process glass using a Computer Numerical Controlled (CNC) machine	4	8	D
26035	Demonstrate knowledge of processing toughened and heat strengthened glass Demonstrate knowledge of processing toughened and heat strengthened glass in a horizontal glass tempering machine	4	5	B
28759	Demonstrate knowledge of manufacturing screen printed glass	4	5	B
28760	Demonstrate knowledge of manufacturing laminated glass Demonstrate knowledge of manufacturing laminated safety glass	4	5	B
33361	Apply knowledge of technical processes and methods to produce glass items	4	15	New
33362	Manage risks and maintain well-being in a glass processing environment	4	10	New
33363	Apply knowledge of quality compliance in glass processing	4	10	New
33364	Cut glass manually in a glass processing work environment	4	5	New
33365	Perform edge-working, cutouts, notching, drilling and countersinking on glass products	4	15	New
33366	Demonstrate knowledge of continuous improvement methods to optimise glass production	4	5	New
33367	Maintain professional currency in materials and technological advances in the glass processing industry	4	5	New
33368	Operate computer numerically controlled machinery to produce a range of standard and customised glass items	4	15	New
33417	Move glass products or materials to required locations in a glass processing environment	3	5	New