

**FIELD                      MANUFACTURING****Review of *Flat Glass* unit standards**

<b>Subfield</b>	<b>Domain</b>	<b>Id</b>
Glass and Glazing	Flat Glass	2043, 2045, 2046, 2048, 2049, 2054, 2057, 2058, 2060, 2062, 20491-20522

The Joinery Industry Training Organisation has completed the review of the unit standards listed above.

**Date new versions published**

**May 2010**

**Planned review date**

**December 2014**

**Summary of review and consultation process**

An Advisory Group meeting was held on 8 April 2009 for glazing and 2 June 2009 for glass processing. The participants included industry and provider representatives. The standards specific to each industry were discussed to decide whether they were still fit for purpose and what changes were required. Feedback from the assessment and moderation process was also discussed. Amendments were made to the unit standards and they were endorsed in July 2009.

**Main changes resulting from the review**

- Six standards were designated expiring and will not be replaced as the processes are no longer carried out by the industry.
- Six new standards were developed to cover new skills and knowledge required by the industry.
- Standard 26485 replaced standard 2060.
- Standard 26283 replaced standards 20496 and 20503.
- Titles were amended to reflect changes to the content.
- Levels and credits were amended to reflect the scope of the task being undertaken and the time involved in collecting evidence for assessment based on feedback from assessors and moderators and changes to industry practice.
- Special notes were updated.
- Elements and performance criteria were amended for consistency and to reflect updated industry practices.
- Prerequisites were removed as they were no longer considered necessary.

**Unit standards categorised as category C and D expire at the end of December 2011.**

**Impact on existing provider accreditations**

<b>Current Accreditation for</b>			<b>Accreditation extended to</b>		
Nature of accreditation	Classification	Level	Nature of accreditation	Id	Level
Subfield	Glass and Glazing	2	Standards	26283, 26485	3
Domain	Flat Glass	2			

## Impact on Accreditation and Moderation Action Plan (AMAP)

AMAP 0073 has been updated to reflect the changes made to the standards.

### Impact on existing qualifications

Qualifications that contain the reviewed standards are tabled below.

<b>Affected</b>	The qualification lists a reviewed classification (domain or subfield) in an elective set The qualification lists a standard that has changes to level or credits The qualification lists a C or D category standard
<b>Not materially affected</b>	The qualification lists a standard that has a new title The qualification lists a standard that has a new classification

The following Joinery ITO qualifications are affected by the outcome of this review and will be reviewed in 2009. Unit standards in **bold** have generated the *Affected* status.

Qualification title	Standard in the qualification
National Certificate in Glass Processing with an optional strand in Extended Glass Processing Skills [Ref: 1103]	<b>2054, 2060, 20491</b> , 20492, <b>20493</b> , 20494, 20495, <b>20496, 20498, 20500, 20501</b> , 20502, <b>20503, 20505, 20506, 20507, 20508</b> , 20509, <b>20510, 20513, 20514, 20522</b>
National Certificate in Glazing (Level 4) [Ref: 1104]	<b>2043</b> , 2045, 2046, <b>2049, 2057, 2058, 20496, 20498</b> , 20504, <b>20507, 20508</b> , 20515, <b>20517, 20521, 20522</b> , 20516, 20518
National Certificate in Automotive Reglazing (Level 3) [Ref: 1249]	20492, <b>20498, 20503</b>

The following qualifications are also affected by the outcome of this review. The standard setting bodies (SSBs) have been advised that they require revision.

Qualification title	Standard in the qualification	SSB Name
National Certificate in Architectural Aluminium Joinery (Entry Skills) (Level 2)[Ref: 0765]	20498	Competenz
National Certificate in Architectural Aluminium Joinery (Assembly and Glazing) (Level 3) with an optional strand in Cutting and Machining [Ref: 0766]	20496, 20498, 20507	Competenz

### Review Categories and changes to classification, title, level and credits

All changes are in **bold**.

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

Subfield Glass and Glazing  
Domain Flat Glass

<b>Id</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>	<b>Review Category</b>
2043	Install and glaze patent glazing systems	3	5	D
2045	Install glass to glass and/or metal with a silicone structural joint <b>Install glass to glass and/or metal with structural silicone glazing</b>	4	5	B
2046	Install mirror and mirror tiles <b>Install mirrors</b>	3	4	B
2048	Reglaze frames	3	6	B
2049	Glaze plastic into frames	3	5	D
2054	Process silvered glass	4	5	D
2057	Install glass blocks using a non-mortar system <b>Install a glass block wall using a non-mortar system</b>	4 3	5 2	B
2058	Install glass blocks using mortar systems	4	5	D
2060	Optimise cutting of glass using a computerised optimiser <b>26485 Optimise cutting of glass</b>	2 3	4 6	C
2062	Install solar control and specialist coated glass	4	4	B
20491	Process clad glass <b>Coat or paint glass</b>	4	6 12	B
20492	Process laminate glass <b>Laminate glass</b>	4	7	B
20493	Process Insulating Glass Units (IGUs)	4	6 8	B
20494	Process bent glass <b>Bend glass</b>	4	6	B
20495	Process toughened and heat strengthened glass <b>Toughen and heat strengthen glass</b>	4	8	B
20496	Load and unload vehicles used to carry glass, Insulating Glass Units and glazing materials	3	3	C
20503 <b>26283</b>	Pack and unpack stock glass and processed glass <b>Load and unload vehicles used to carry glass</b>	2 3	2 12	C
20497	Work safely in the glass and glazing industry	2	3	B
20498	Use safe work practices to handle, store, and move glass manually	2	6 4	B
20499	Use safe work practices to handle glass with overhead mechanical handling systems	3	4	B
20500	Manage glass and glazing materials in a glass and glazing workplace <b>Control stock, and unload and move glass from transport containers</b>	3	7 12	B
20501	Unload transport containers of glass and glazing materials	3	2	D
20502	Load transport containers of glass and glazing materials <b>Load transport containers with glass</b>	3	2	B

<b>Id</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>	<b>Review Category</b>
20504	Install bent, laminated and toughened glass <b>Install bent glass</b>	4	6	B
20505	Cut glass with an automated or semi-automated machine	3	4 <b>8</b>	B
20506	Cut 12 mm - 25 mm glass to regular shapes manually <b>Cut glass to regular shapes manually</b>	3	4 <b>12</b>	B
20507	Cut glass to irregular shapes manually	3	4 <b>12</b>	B
20508	Drill, countersink and notch glass <b>Notch and cut out glass manually</b>	4 <b>3</b>	5 <b>6</b>	B
20509	Drill glass with an automated or semi-automated machine <b>Drill and countersink glass</b>	3	4	B
20510	Cut special glasses	3	5	D
20511	Cut 2mm - 10mm glass to regular shapes manually <b>Cut glass to regular shapes manually on-site</b>	3	3	B
20512	Install Insulating Glass Units (IGUs)	4	6	B
20513	Edgework glass with edgeworking machines	4	5 <b>8</b>	B
20514	Edgework glass with Computer Numerically Controlled (CNC) edgeworking machines <b>Edgework glass using a Computer Numerically Controlled (CNC) machine</b>	5 <b>4</b>	6 <b>8</b>	B
20515	Glaze timber joinery <b>Install glass in timber joinery</b>	4	5	B
20516	Glaze metal frames <b>Install glass in metal frames</b>	4	5	B
20517	Glaze aluminium and PVC joinery <b>Install glass in aluminium and Polyvinyl Chloride (PVC) joinery</b>	4	5 <b>6</b>	B
20518	Install frameless shower doors and screens <b>Install frameless glass shower doors and screens</b>	4	6	B
20519	Install toughened glass doors and entrances	4	6	B
20520	Install balustrade systems <b>Install glass balustrade systems</b>	4	7	B
20521	Install structural glass systems <b>Install structural glass assemblies</b>	4	8 <b>6</b>	B
20522	Edgework glass manually	3	4 <b>2</b>	B
<b>26031</b>	<b>Demonstrate knowledge of solar control, specialist coated glass, and glazing systems</b>	<b>3</b>	<b>4</b>	<b>New</b>
<b>26032</b>	<b>Demonstrate knowledge of edgeworking glass manually</b>	<b>2</b>	<b>2</b>	<b>New</b>
<b>26033</b>	<b>Demonstrate knowledge of installing glass with structural silicone glazing</b>	<b>2</b>	<b>2</b>	<b>New</b>
<b>26034</b>	<b>Cut glass to irregular shapes manually on-site</b>	<b>3</b>	<b>4</b>	<b>New</b>

<b>Id</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>	<b>Review Category</b>
<b>26035</b>	<b>Demonstrate knowledge of processing toughened and heat strengthened glass</b>	<b>3</b>	<b>6</b>	<b>New</b>
<b>26036</b>	<b>Create computerised programmes for glass processing machines</b>	<b>5</b>	<b>8</b>	<b>New</b>