

Field Manufacturing**Review of *Architectural Aluminium Joinery, Glass and Glazing, and Joinery* unit standards**

Subfield	Domain	ID
Construction Trades	Architectural Aluminium Joinery	23740
Glass and Glazing	Flat Glass	20497
	General Glass and Glazing	25397
Joinery	Cabinetry	2527-2530, 2537, 2539, 25159, 25598-25602
	Door and Window Joinery	2518-2521, 2523-2526, 2542
	Joinery Machining	2552, 8558, 8604, 8606-8610, 10173, 10174, 17123, 17125-17138, 21811, 21812, 25161-25163
	Laminate Fabrication	2538, 14480, 14481, 25606
	Stairs and Other Joinery Trade Skills	2522, 2531-2533, 2535, 2536, 2540, 2541, 2543-2545, 2547-2550, 2553-2557, 15756, 25160, 25604, 25605

The Building and Construction Industry Training Organisation (BCITO) has completed the review of the unit standards listed above.

Date new versions published

October 2014

Planned review date

December 2018

Summary

As a result of their TRoQ process, BCITO has reviewed the listed unit standards to better reflect the requirements of the outcomes listed in the new qualifications. This process has resulted in 21 new unit standards replacing 64 expiring unit standards. A further three unit standards have been developed to fill identified gaps. Four unit standards were designated as expiring as they are no longer fit for purpose and 14 unit standards were reviewed to bring them up to technical and industry specifications. As a result of the evaluation of the new qualifications two new domains were identified and registered. Existing and new unit standards have been allocated into these new domains. These changes were endorsed by both industry and providers in November 2013.

Main changes

New domains *Joinery Core Skills* and *Joinery Operational Skills* were created to replace the *Cabinetry*, *Door and Window Joinery*, *Joinery Machining*, *Laminate Fabrication*, and *Stairs and Other Joinery Trade Skills* domains. New and reviewed standards were registered in the new domains.

Category C and D unit standards will expire at the end of December 2016

Impact on existing organisations with consent to assess

Current consent for			Consent extended to		
Nature of consent	Classification or ID	Level	Nature of consent	Classification or ID	Level
Subfield	Glass and Glazing	4	Standard	28226	3
Subfield	Glass and Glazing	2	Standard	28226	3
Subfield	Joinery	3	Standard	28218 28224 28215 28216 28220 28221 28223 28212 28214 28222 28225	4 4 4 4 4 4 4 4 4 4 4
Domain	Architectural Aluminium Joinery	4	Standard	28205	4
Domain	Cabinetry	3	Domain	Joinery Core Skills	4
Domain	Cabinetry	3	Domain	Joinery Operational Skills	4
Domain	Door and Window Joinery	3	Domain	Joinery Core Skills	4
Domain	Door and Window Joinery	3	Domain	Joinery Operational Skills	4
Domain	Flat Glass	2	Standard	28226	3
Domain	General Glass and Glazing	2	Standard	28205	4
Domain	Joinery Machining	3	Domain	Joinery Core Skills	4
Domain	Joinery Machining	3	Domain	Joinery Operational Skills	4
Domain	Laminate Fabrication	3	Domain	Joinery Core Skills	4
Domain	Laminate Fabrication	3	Domain	Joinery Operational Skills	4
Domain	Stairs and Other Joinery Trade Skills	3	Domain	Joinery Core Skills	4
Domain	Stairs and Other Joinery Trade Skills	3	Domain	Joinery Operational Skills	4
Standard	2523	3	Standard	28218	4
	2526	4	Standard	28219	
	2527	3	Standard	28215	4
	2528	3			
	2529	3			
	2543	2	Standard	28226	3
	2550	2	Standard	28227	3
	2555	3	Standard	28206	3
	2556	2			
17123	3	Standard	28210	3	

Current consent for			Consent extended to		
Nature of consent	Classification or ID	Level	Nature of consent	Classification or ID	Level
	17125	3	Standard	28211	3
	17126	3			
	17127	3			
	17128	3	Standard	28212	4
	17129	3	Standard	28124	4
	17130	3			
	17132	3			
	17133	4	Standard	28217	4
	17134	4			
	17137	3	Standard	28210	3
	17138	3	Standard	28227	3

Impact on Consent and Moderation Requirements (CMR)

None.

Impact on registered qualifications

Key to type of impact	
Affected	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
Not materially affected	The qualification lists a standard that has a new title The qualification lists a standard that has a new classification

The following Building and Construction Industry Training Organisation (BCITO) qualifications are impacted by the outcome of this review. These qualifications are part of the current sector review of Construction qualifications that began in 2013. The standards that generated the status *Affected* are listed in **bold**.

Ref	Qualification Title	Classification or ID
0272	National Certificate in Fibre Cement Linings (Level 4) with strands in Fixing, and Finishing	2550
0273	National Certificate in Fibrous Plaster (Installation) (Level 4) with an optional strand in Specialist Systems	2550
0274	National Certificate in Fibrous Plaster (Manufacture) (Level 4) with optional strands in Panels and Tiles, and Specialist Models and Mould Making	2550
0275	National Certificate in Plaster Board (Level 4) with strands in Fixing, and Finishing, and with an optional strand in Specialist	2550
0385	National Certificate in Joinery (Introduction)	2543, 2544, 2545, 2549, 2550, 2552, 2555-2557, 17138

Ref	Qualification Title	Classification or ID
0386	National Certificate in Joinery (Craftsperson)	2518-2532, 2536, 2537, 2539-2542, 8558, 8604, 8606-8608, 8610, 15756, 17123, 17125-17137, 21811, 25159-25161
0387	National Certificate in Joinery with strands in Cabinetry, Exterior Joinery, and Stairs	2518-2530, 2536, 2537, 2540, 2542, 8558, 8610, 8660, 15756, 17123, 17125-17137, 21811, 25159-25160
0390	National Certificate in Joinery (Laminate Fabrication)	2537, 2538, 2543, 2544, 2545, 2549, 2550, 2552, 2555-2557, 8609, 10173, 14480, 14481, 17125, 17126, 17128, 17135, 17137, 17138, 21811, 25606
0725	National Certificate in Solid Plastering (Level 4) with an optional strand in Specialist Mouldings and Decorative Work	2550
0730	National Certificate in Joinery (Component Machining)	8558, 8604, 8607-8610, 17123, 17125-17137, 25161-25163
1355	National Certificate in Refractory Installation	2542, 2549
1356	National Certificate in Brick and Block Laying	2549, 2550
1390	National Certificate in Specialist Interiors (Installation) (Level 3) with strands in Suspended Ceilings, and Proprietary Partitions, and with an optional strand in Access Floors	2550
1484	National Certificate in Joinery with strands in Kitchen Manufacturing, and Kitchen Installation	2527-2529, 2536, 2537, 2543, 2544, 2545, 2549, 2550, 2557, 17126, 17128, 17129, 17138, 21811, 25159, 25161, 25598, 25599, 25602

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 > Joinery

ID	Domain	Title	Level	Credit	Review Category
2518	Door and Window Joinery	Manufacture timber doors	4	12	C
2519	Door and Window Joinery	Manufacture flush doors	4	9	C
2520	Door and Window Joinery	Manufacture exterior and interior door frames	4	10	C
2523	Door and Window Joinery	Manufacture casement windows	3	8	C
2524	Door and Window Joinery	Manufacture special windows	4	8	C
2525	Door and Window Joinery	Manufacture shaped windows	5	15	C
2542	Door and Window Joinery	Manufacture timber gates	3	4	C
28218	Joinery Operational Skills	Manufacture doors and windows	4	40	
2521	Door and Window Joinery	Install door hardware	4	6	C
2526	Door and Window Joinery	Order and install window hardware	4	4	C
28219	Joinery Operational Skills	Install hardware on doors and windows	4	10	
2522	Stairs and Other Joinery Trade Skills	Describe the requirements for the installation of exterior and interior joinery items	3	4	C
2535	Stairs and Other Joinery Trade Skills	Manufacture and install shop fixtures and fittings	5	15	C
2539	Cabinetry	Manufacture and install timber and sheet panelling	4	7	C
25159	Cabinetry	Describe the installation requirements of cabinetry on-site	3	2	C
25602	Cabinetry	Set out, assemble and install kitchens	4	6	C
25604	Stairs and Other Joinery Trade Skills	Demonstrate knowledge of manufacturing and installing shop fixtures and fittings	3	4	C
28224	Joinery Operational Skills	Install joinery cabinetry in residential and commercial buildings	4	10	

ID	Domain	Title	Level	Credit	Review Category
2527	Cabinetry	Manufacture cupboard carcasses	3	6	C
2528	Cabinetry	Manufacture cupboard doors and drawers	3	5	C
2529	Cabinetry	Manufacture and fix flat timber and flat processed tops	3	4	C
2537	Cabinetry	Manufacture and fix flat pressings	3	10	C
25598	Cabinetry	Demonstrate knowledge of nested-based manufacturing for manufacturing kitchens	3	2	C
28215	Joinery Operational Skills	Manufacture and assemble joinery cabinetry items for use in residential and commercial buildings	4	30	
2530	Cabinetry	Manufacture special fitments	4	6	C
25600	Cabinetry	Make a template for manufacturing a kitchen	3	2	C
25601	Cabinetry	Demonstrate knowledge of hardware used in kitchen manufacturing	3	2	C
28216	Joinery Operational Skills	Manufacture special fitments to produce complex joinery items	4	30	
2531	Stairs and Other Joinery Trade Skills	Demonstrate knowledge of the requirements for stair design and manufacture	4	8	C
2532	Stairs and Other Joinery Trade Skills	Manufacture timber stairs	4	12	C
25160	Stairs and Other Joinery Trade Skills	Describe the installation requirements for stairs on-site	3	2	C
28220	Joinery Operational Skills	Manufacture timber stairs for residential and commercial buildings	4	25	
2533	Stairs and Other Joinery Trade Skills	Manufacture timber geometric stairs	5	15	C
25605	Stairs and Other Joinery Trade Skills	Demonstrate knowledge of manufacturing geometric stairs and balustrades	3	6	C
28221	Joinery Operational Skills	Manufacture timber geometric stairs for residential and commercial buildings	4	25	

ID	Domain	Title	Level	Credit	Review Category
2540	Stairs and Other Joinery Trade Skills	Demonstrate knowledge of remedying defects in joinery items	3	3	C
28207	Joinery Core Skills	Remedy defects in joinery items	3	3	
2541	Stairs and Other Joinery Trade Skills	Demonstrate knowledge of a joinery workshop and plan layout	5	4	B
	Joinery Core Skills	Demonstrate knowledge of a joinery operation and plan a workshop layout	4		
2543	Stairs and Other Joinery Trade Skills	Carry out safe working practices in joinery workplaces	2	8	C
20497	Flat Glass	Work safely in the glass and glazing industry	2	3	
28226	Joinery Core Skills	Work safely in the glass, joinery, or joinery related industries	3	8	
2544	Stairs and Other Joinery Trade Skills	Demonstrate knowledge of ordering, receiving, handling and storing joinery materials	2	3	B
	Joinery Core Skills	Demonstrate knowledge of ordering, receiving, handling, and storing joinery materials			
2545	Stairs and Other Joinery Trade Skills	Demonstrate knowledge of work documents in joinery	2	3	B
	Joinery Core Skills	Demonstrate knowledge of specifications, sketches, and plans to produce glass, joinery, or joinery related items	3		
2547	Stairs and Other Joinery Trade Skills	Demonstrate knowledge of contract provisions for joinery	5	4 5	B
	Joinery Core Skills				
2548	Stairs and Other Joinery Trade Skills	Monitor production management for joinery manufacture	5	8 5	B
	Joinery Core Skills				
2549	Stairs and Other Joinery Trade Skills	Measure and calculate in the joinery industry	3	4	B
	Joinery Core Skills	Measure and calculate materials in the glass, joinery, or joinery related industries			

ID	Domain	Title	Level	Credit	Review Category
2550	Stairs and Other Joinery Trade Skills	Use hand tools for joinery and related trades	2	6	C
17138	Joinery Machining	Use and maintain portable power tools in joinery work	3	5	C
28227	Joinery Core Skills	Use tools and equipment with glass, joinery, or joinery related items	3	5	
2552	Joinery Machining Joinery Core Skills	Set up and use fixed machinery in the joinery industry under supervision	2	6	B
2553	Stairs and Other Joinery Trade Skills Joinery Core Skills	Calculate quantities, and estimate costs, for joinery in a residential or light commercial building Calculate quantities and estimate costs for joinery in a residential or light commercial building	5	4 5	B
2554	Stairs and Other Joinery Trade Skills Joinery Core Skills	Demonstrate knowledge of and apply management procedures to small businesses in the joinery industry Apply management procedures to a small business in the joinery industry	5	6 5	B
2555	Stairs and Other Joinery Trade Skills	Use mechanical fixings and methods of attachment in the joinery industry	3	4	C
2556	Stairs and Other Joinery Trade Skills	Demonstrate knowledge of timber in the joinery industry	2	6	C
25599	Cabinetry	Demonstrate knowledge of materials and terminology used in kitchen manufacturing	3	6	C
28206	Joinery Core Skills	Demonstrate knowledge of materials and methods used with glass, joinery, or joinery related items	3	5	
2557	Stairs and Other Joinery Trade Skills Joinery Core Skills	Use adhesives and sealants in the joinery industry	3	3 2	B

ID	Domain	Title	Level	Credit	Review Category
2536	Stairs and Other Joinery Trade Skills Joinery Core Skills	Manufacture glulam components	3	10 5	B
2538	Laminate Fabrication	Manufacture special laminated pressings	4	24	C
14481	Laminate Fabrication	Demonstrate knowledge of the composition, properties, and manufacture of laminates	3	4	C
28223	Joinery Operational Skills	Manufacture high pressure laminate benchtops for use in residential and commercial buildings	4	30	
8558	Joinery Machining	Operate a spindle moulder for joinery	4	12	C
17128	Joinery Machining	Operate and maintain a spindle moulder in joinery work	3	6	C
28212	Joinery Core Skills	Set up, operate, and maintain shaping machines to produce joinery items	4	8	
8604	Joinery Machining	Demonstrate knowledge of routine maintenance of joinery machinery	2	4	C
17136	Joinery Machining	Set up, operate, and maintain a speed sander in joinery work	4	4	C
21812	Joinery Machining	Set up, operate, and maintain narrow belt and edge sanders in joinery work	2	4	C
28209	Joinery Core Skills	Set up, operate, and maintain sanding machines used to produce basic joinery items	3	6	

ID	Domain	Title	Level	Credit	Review Category
8606	Joinery Machining	Set up and operate presses and formers for curved work in joinery	4	10	C
8610	Joinery Machining	Prepare and operate specialist shaping machines for joinery	4	10	C
17129	Joinery Machining	Operate and maintain an edge bander in joinery work	3	2	C
17130	Joinery Machining	Operate and maintain a joinery edge trimmer	3	2	C
17131	Joinery Machining	Operate and maintain a hinging machine in joinery work	3	2	C
17132	Joinery Machining	Operate and maintain a dovetailer in joinery work	3	2	C
28214	Joinery Operational Skills	Set up, operate, and maintain specialist machinery used for the production of joinery cabinetry items	4	20	
8609	Joinery Machining Joinery Core Skills	Demonstrate knowledge of compressed air systems in a joinery factory Demonstrate knowledge of compressed air systems used in a joinery workplace	3	4 2	B
10173	Joinery Machining	Operate and maintain fixed joinery machinery for laminated fabrication	4	4	C
25606	Laminate Fabrication	Demonstrate knowledge of setting up and operating fixed joinery machinery for laminated fabrication	3	2	C
28222	Joinery Operational Skills	Set up, operate, and maintain specialist machines used for the production of high-pressure laminate benchtops	4	20	
14480	Laminate Fabrication Joinery Core Skills	Demonstrate knowledge of handling, storing, and uses of laminates Receive, handle, and store joinery materials	3	3	B
17123	Joinery Machining	Operate and maintain a thicknesser in joinery work	3	2	C
17137	Joinery Machining	Operate and maintain a surface planer in joinery work	3	4	C
28210	Joinery Core Skills	Set up, operate, and maintain planing machines used to produce basic joinery items	3	6	

ID	Domain	Title	Level	Credit	Review Category
17125	Joinery Machining	Operate and maintain a fixed radial arm saw in joinery work	3	3	C
17126	Joinery Machining	Operate and maintain a dimension saw in joinery work	3	3	C
17127	Joinery Machining	Operate and maintain a rip saw in joinery work	3	2	C
17135	Joinery Machining	Operate and maintain a bandsaw in joinery work	3	6	C
28211	Joinery Core Skills	Set up, operate, and maintain fixed and moveable saws used to produce basic joinery items	3	6	
17133	Joinery Machining	Operate and maintain a mortiser in joinery work	4	4	C
17134	Joinery Machining	Operate and maintain a tenoner in joinery work	4	6	C
28217	Joinery Operational Skills	Set up, operate, and maintain specialist machinery used for the production of timber doors and windows	4	12	
21811	Joinery machining	Describe the operation of a Computer Numerical Controlled (CNC) machine for machining joinery items	2	4	B
	Joinery Core Skills	Demonstrate knowledge of the operation of CNC machines to produce glass, joinery or joinery related items	3	2	
25161	Joinery Machining	Set and operate a Computer Numerical Controlled (CNC) machine for joinery work	3	6	C
25162	Joinery Machining	Set and operate a four sider to produce moulded profile and square dressed joinery items	4	10	C
25163	Joinery Machining	Set and operate a multi-boring machine to produce joinery items	3	6	C
28225	Joinery Core Skills	Set and operate computer numerical control (CNC) machinery used to produce joinery items	4	10	

ID	Domain	Title	Level	Credit	Review Category
25397	General Glass and Glazing	Demonstrate knowledge of the implications of legislation and standards applicable to the glass industry	2	8	C
23740	Architectural Aluminium Joinery	Demonstrate knowledge of legislation, standards, and guidelines for the manufacture of aluminium joinery products	3	6	C
28205	Joinery Core Skills	Apply codes of practice and industry standards to the production of glass, joinery, or joinery related items	4	10	
28208	Joinery Core Skills	Interpret specifications and plans to create sketches for glass, joinery, or joinery related items	4	10	New
28213	Joinery Core Skills	Calculate and order materials and select work methods to produce glass, joinery, or joinery related items	4	6	New
28228	Joinery Core Skills	Work in a team to achieve designated tasks in the glass, joinery, or joinery related industries	3	5	New

Manufacturing > Joinery > Joinery Machining

ID	Title	Level	Credit	Review Category
8607	Freehand grind and profile knives for joinery	4	5	D
8608	Grind, profile, and balance knives for joinery	5	12	D
10174	Demonstrate knowledge of aluminium as used in joinery	3	6	D

Manufacturing > Joinery > Stairs and Other Joinery Trade Skills

ID	Title	Level	Credit	Review Category
15756	Demonstrate knowledge of the assembly of aluminium joinery	3	2	D