

Field Manufacturing**Review of *Furniture* unit standards**

Subfield	Domain	ID
Furniture	Furniture Finishing	2206, 2208, 2213, 3155-3157, 17637, 17641, 25523-25525, 25527, 25528
	Furniture Making	2216, 2224, 2226, 2231, 2244, 9789-9791, 9796, 14996-14998, 16231, 16232, 18893, 18897, 18899, 18901, 18911, 25540-25548, 25552, 25553, 25768
	Furniture Operations	25569, 25570, 25572
	Upholstery	2194, 14348, 14983, 14989, 14994, 25580, 25583-25585, 25594

Competenz has completed the review of the unit standards listed above.

Date new versions published

19 March 2015

Planned review date

31 December 2019

Summary

As part of the development of the New Zealand Certificates in Furniture after the mandatory review of qualifications within the furniture industry the above unit standards were reviewed. The consultation included representatives of furniture makers and the accredited providers of the furniture standards.

Consultation on the most recently registered standards revealed that the credit values were not aligned with the time taken by the learner to reach the level of competency required in a number of cases. A wider consultation was undertaken on the “set and operate equipment” standards, specifically with regard to the credit value and its relationship to the time taken for the learner to reach competency. This revealed a number of areas where there was a mismatch. The industry advisory group confirmed this as part of their discussion on the length of time required to reach the outcomes stated in the proposed Level 3 and Level 4 qualifications.

The consultation also identified a level mismatch for five standards. The level descriptors support the increase in level for these standards.

Main changes

- Two unit standards have been designated as expiring and replaced.
- Eight new unit standards have been developed to address gaps identified by industry in the development of new qualifications.
- The credit of 50 unit standards has been changed to better reflect the time required to reach the competency.
- Five unit standards have had their level raised to reflect industry requirements of the target audience in terms of knowledge and supervision.

- Titles, outcome statements, explanatory notes and evidence requirements have been updated to reflect current industry practice.

The last date for assessment of superseded versions of these standards is 31 December 2018. Results will not be accepted where the assessment date is after the last date for assessment of the superseded version of the standard.

Category C unit standards will expire at the end of December 2018

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	Furniture	1	Standard	2216	2
Subfield	Furniture	3	Standard	18911	4
Domain	Furniture Finishing	2	Standards	25523 and 25524	3
Domain	Furniture Making	1	Standard	2216	2
Domain	Furniture Making	3	Standard	18911	4
Standard	25546	4	Standard	28733	3
			Standard	28735	4
Standard	25547	4	Standard	28733	3
			Standard	28735	4

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 Competenz qualifications are impacted by the outcome of this review. These qualifications are part of the sector review of Allied Trades qualifications that began in 2012. The classifications and/or standards that generated the status *Affected* are listed in **bold**.

Ref	Qualification Title	Classification or ID
1502	National Certificate in Furniture (Level 2) with strands in Introductory Furniture Finishing Skills, Introductory Furniture Making Skills, and Introductory Upholstery Skills	2206, 14348, 14983, 16232, 25523-25525, 25569, 25570, 25584
1503	National Certificate in Furniture (Level 3) with strands in Finishing, Machine Operator, Furniture Making, Frame Making, Upholstery, Upholstery Cutting, and Upholstery Sewing	2206, 2208, 2224, 2226, 3155, 9789, 9790, 9791, 14348, 14994, 14996, 14998, 16232, 17637, 18897, 25527, 25528, 25547, 25552, 25553, 25570, 25572, 25580, 25584, 25585
1504	National Certificate in Furniture (Level 4) with strands in Furniture Design and Markets, Craft Finisher, Machine Setter, Furniture Maker, Advanced Upholstery, and Computer Numerical Controlled Machinery (CNC)	2194, 2213, 2231, 2244, 3156, 3157, 9796, 14989, 14994, 14996, 17641, 18893, 18899, 18901, 18911, 25540-25548, 25583, 25594

The following table identifies qualifications developed by another SSB that are impacted by the outcome of this review. The SSB has been advised that the qualifications require revision. The classifications and/or standards that generated the status *Affected* are listed in **bold**.

Ref	Qualification Title	Classification or ID	SSB Name
0877	National Certificate in Boatbuilding (Level 4) with strands in Marine Cabinetmaking, Composite Sparmaking, Alloy Boatbuilding, Marine Rigging, Interior and Exterior Marine Painting, Composite Boatbuilding, Steel Boatbuilding, Wooden Boatbuilding, Marine Systems Engineering, Metal Sparmaking, Composite Production Trailer Boats, and Alloy Production Trailer Boats	2208, 14996, 18897, 25527, 25528, 25546, 25547	Boating Industry Training Organisation
1493	National Certificate in Boatbuilding (Level 3) with strands in Fill and Fair Marine Substrates, Interior Marine Painting, and Exterior Marine Painting	2208, 25527, 25528	

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 > Furniture > Furniture Finishing

ID	Title	Level	Credit	Review Category
2206	Demonstrate knowledge of safety requirements and safely handle hazardous substances used in furniture finishing	2	2 3	B
2208	Select and mix stain for application to furniture surfaces	3	8 4	B
2213	Remove existing coatings and restore furniture article finishes	4	6 8	B
3155	Prepare and apply clear top coats to furniture surfaces	3	6 5	B
3156	Prepare and apply pigmented top coats to furniture surfaces	4	5 6	B
3157	Colour match and formulate stain for furniture surfaces	4	6 8	B
17637	Remove existing coatings, and prepare furniture surfaces for finishing	3	3 4	B
17641	Select and apply metallic coatings to furniture surfaces	4	8 10	B
25523	Apply stains to furniture surfaces using conventional spray methods	2 3	3	B
25524	Apply stains to furniture surfaces using wiping methods	2 3	3	B
25525	Apply preparation coatings to furniture surfaces using conventional spray equipment	2	4 5	B
25527	Set up and maintain conventional spray equipment for furniture finishing	3	6 5	B
25528	Set up and maintain air-assisted spray equipment for furniture finishing	3	5 6	B

Manufacturing > Furniture > Furniture Making

ID	Title	Level	Credit	Review Category
2216	Recognise and confirm furniture job specifications	1 2	2	B
2224	Operate a wide belt sanding machine to sand wooden furniture components	3	2 3	B
2226	Operate a four sider to produce wooden furniture components	3	3 4	B
2231	Set a wide belt sander to sand wooden furniture components	4	2 4	B
2244	Set a multi-boring machine to bore furniture components	4	4 5	B
9789	Operate a spindle moulder to produce wooden furniture components	3	2 6	B
9790	Operate an overhead router to shape furniture components	3	2 4	B
9791	Operate an automatic wood-turning lathe to turn wooden furniture components	3	2 4	B

ID	Title	Level	Credit	Review Category
9796	Set an automatic wood turning lathe to turn wooden furniture components	4	2 4	B
14996	Construct working drawings for use in furniture making	3	5 6	B
14997	Construct perspective drawings for use in furniture making	3	4 6	B
14998	Construct isometric and oblique drawings for use in furniture making	3	3 4	B
16231	Calculate lengths, areas, and costs and percentages of waste for furniture making	2	3	B
16232	Use portable power tools for furniture making Use basic portable power tools for furniture making	2	4	B
18893	Set an automatic feed edge-banding machine to edge panels Set an automatic feed edge-banding machine to edge panels for furniture making	4	3 4	B
18897	Edge joint materials used in furniture making to make a flat panel	3	3 4	B
18899	Set a four sider to produce moulded profile wooden furniture components	4	4 6	B
18901	Make a machining jig for a spindle moulder or overhead router to machine wooden components Make a machining jig for a spindle moulder or overhead router to machine wooden furniture components	4	4 5	B
18911	Make a former to press and laminate curved furniture components	3 4	5	B
25540	Set a spindle moulder to profile wooden furniture components	4	4 8	B
25541	Set a spindle moulder for straight fence work in furniture making	4	4 6	B
25542	Set an overhead router with cutter and fence, and with cutter and guide pin, to shape wooden furniture components	4	2 4	B
25543	Set an overhead router with floating head, power feed, and vacuum clamp to shape wooden furniture components	4	3 4	B
25544	Set a round-ended tenoner to tenon wooden furniture components	4	4 6	B
25545	Set a slot mortiser to mortise wooden furniture components	4	3 4	B
25546	Produce a cutting list for furniture making	4	4	C
25547	Calculate material quantities from a cutting list or furniture drawing	4	4	C
28733	Produce a cutting list and calculate material quantities for an item of furniture	3	8	
28735	Produce complex cutting lists and calculate material quantities for a furniture unit	4	10	

ID	Title	Level	Credit	Review Category
25548	Make a vacuum holding jig for a Computer Numerical Controlled (CNC) machine Make a vacuum holding jig for a Computer Numerical Controlled (CNC) machine used in furniture making	4	5 6	B
25552	Set and operate a surface planer to bevel, rebate, and taper wooden furniture components	3	4 5	B
25553	Set and operate a thicknesser to splay and taper wooden furniture components	3	3 4	B
25768	Carry out a pre-installation site check for furniture installation	4	4 12	B
28734	Set and operate a portable router to produce furniture components	3	6	New

Manufacturing > Furniture > Furniture Operations

ID	Title	Level	Credit	Review Category
25569	Demonstrate knowledge of timber types and insect attack in furniture operations	2	4 6	B
25570	Demonstrate knowledge of abrasives used in furniture production	2	3 4	B
25572	Demonstrate knowledge of hardware used in furniture making and its application	3	3 6	B
28729	Demonstrate knowledge of protective coatings used in furniture finishing operations	2	4	New
28730	Demonstrate knowledge of stains used in furniture finishing operations	2	4	New
28731	Demonstrate knowledge of quality requirements and management of customer feedback in a furniture operation	4	8	New
28732	Demonstrate knowledge of composite materials used in furniture operations	3	6	New
28736	Research and present information on advanced hardware and lighting systems used in furniture making	4	8	New

Manufacturing > Furniture > Upholstery

ID	Title	Level	Credit	Review Category
2194	Carry out deep buttoning on upholstery covers	4	4 10	B
14348	Mark out and cut single-lay plain upholstery fabric	2	4 6	B
14983	Hand fill cushions in upholstery	2	2 3	B
14989	Estimate fabric quantities for upholstery covers	3	4 10	B
14994	Produce a cutting plan for layout of templates on upholstery fabric	3	4 6	B

ID	Title	Level	Credit	Review Category
25580	Fit pre-sewn, straight-edged upholstery covers	2	4 6	B
25583	Fit non-sewn, shaped upholstery covers to lounge chairs or settees	4	10 6	B
25584	Operate a walking foot sewing machine to sew upholstery covers	2	4 10	B
25585	Insert zips, top stitch, and sew tucks and darts, on plain or patterned, shaped cushions or shaped upholstery covers	3	4 8	B
25594	Hand build upholstery suspension systems	4	8 10	B