

Field Engineering and Technology**Change of responsibility and review of *Design* unit standards****Current classification**

Subfield	Domain	ID
Design	Product Design	2070, 2076, 2104, 2109, 2110, 16533, 23906-23911, 24686-24688, 25208-25210
	Spatial Design	2069, 2072, 2078, 2099, 8181, 16530, 16536

New classification

Subfield	Domain	ID
Design	Interior Design	2078, 16536
	Kitchen and Bathroom Design	25208-25210, 26934-26950, 27274-27282

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

Date new versions published

May 2011

Planned review date

December 2016

Summary

In June 2010 the Kitchen and Bathroom Advisory Group met to review the current kitchen design unit standards and to discuss the development of unit standards for the bathroom design sector. As a result of the discussion and feedback from the assessors and moderators in the kitchen design sector, the kitchen design unit standards were also rewritten to reflect a greater depth of knowledge and skills resulting in a change of level to most of the unit standards. Some of the unit standards were rewritten to apply to both kitchen and bathroom design and seventeen new unit standards were developed to fill identified gaps. These amendments resulted in nine unit standards being replaced by nine new unit standards. The amended unit standards were sent out for wide consultation throughout the sector and the amendments were endorsed in August 2010.

The domains of Product Design and Spatial Design were previously under the scope of InfraTrain as the standard setting body. The Joinery Industry Training Organisation had developed a number of unit standards in the area of product design for the kitchen and bathroom design sectors. InfraTrain handed over standard setting responsibility for the Product Design and Spatial Design domains to the Joinery Industry Training Organisation as they fit better within their scope of industry responsibility. The process of reassigning the domains within the Design subfield has been the responsibility of the Industry Training Federation who has run a series of meetings with all Industry Training Organisations who use design unit standards as well as provider representatives and representatives from the Ministry of Education. To ensure that the unit standards in these domains reflect the content and target audience the domains have been renamed Kitchen and Bathroom Design and Interior Design. To eliminate overlap between unit standards, those in the Spatial Design domain that overlap with unit standards in the Product Design domain have been designated expiring. These changes were endorsed by the sector in February 2011.

The Joinery Industry Training Organisation intends to engage the sector in discussions on the development of new unit standards to meet their needs in the future.

Category C and D unit standards will expire at the end of December 2012

Main changes

- Domain names have changed from *Product Design* and *Spatial Design* to *Kitchen and Bathroom Design* and *Interior Design*.
- Changes were made to titles to reflect a greater depth of knowledge and skills.
- Changes were made to levels to reflect the amended content of the unit standards.
- Changes were made to credits to reflect the amended content of the unit standards.
- Changes were made to ranges, outcomes and evidence requirements to make them technically current.
- SSB details were changed from InfraTrain to Joinery Industry Training Organisation.
- Seventeen new unit standards were developed.
- Nine unit standards were replaced by new unit standards.

Impact on Consent and Moderation Requirements (CMR)

The standards will be moved from CMR 0101 to CMR 0073.

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	Design	3	Standard	27274-27279	4
Subfield	Design	3	Standard	24688	5
Subfield	Design	4	Standard	24686, 24687	5
Domain	Product Design	Any	Domain	Kitchen and Bathroom Design	Same
Domain	Spatial Design	Any	Domain	Interior Design	Same
Domain	Spatial Design	Any	Standard	26944	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 Joinery Industry Training Organisation qualifications are affected by the outcome of this review and will be updated when they are reviewed in 2011.

Ref	Qualification Title	Classification or ID
1300	National Certificate in Design (Kitchen Design) (Level 3)	23906, 23907, 23908, 23909, 23910, 23911
1381	National Certificate in Design (Kitchen Design) (Level 4)	16533, 24686, 24687, 24688
1484	National Certificate in Joinery with strands in Kitchen Manufacturing, and Kitchen Installation	23910, 25208, 25210

The following table identifies qualifications developed by another SSB that are impacted by the outcome of this review and reclassification. The SSB has been advised that the qualifications require revision. The standard that generated the status *Not Materially Affected* is listed in **bold**.

Ref	Qualification Title	ID	SSB Name
0567	National Diploma in Design with strands in Graphic Design, Product Design and Spatial Design	2069, 2070, 2072, 2076, 2099, 2104, 2109, 2110, 8181	InfraTrain New Zealand
0682	National Certificate in Design (Technician) (Level 4)	2069, 2070, 2099, 16530, 16533, 16536	

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

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

Engineering and Technology > Design

ID	Domain	Title	Level	Credit	Review Category
2069	Spatial Design	Record site information for spatial design reference	4	4	C
2070	Product Design	Record information for product design reference	4	4	C
2099	Spatial Design	Produce structural design calculations	4	3	C
2104	Product Design	Produce product design calculations	5	5	C
26944	Kitchen and Bathroom Design	Record information and produce kitchen or bathroom design calculations	4	4	
2072	Spatial Design	Produce spatial rendering design (digital technique)	6	30	D
2076	Product Design	Supervise design prototype production	6	8	D

ID	Domain	Title	Level	Credit	Review Category
2078	Spatial Design Interior Design	Produce a record of design work constructed Produce a record of interior design work	6 5	6	B
2109	Product Design	Produce product rendering using digital techniques	5	30	D
2110	Product Design	Produce production drawings for design using digital techniques	6	40	D
8181	Spatial Design	Produce construction drawings for design using digital techniques	6	40	D
16530	Spatial Design	Produce spatial rendering design (digital technique), under supervision	4	20	D
16533	Product Design	Produce production drawings for design using digital techniques, under supervision	4	30	D
16536	Spatial Design Interior Design	Produce construction drawings for design using digital techniques, under supervision Produce construction drawings for interior designs	4	30	B
23906	Product Design	Demonstrate knowledge of the impact of building construction on kitchen design	3	4	C
27274	Kitchen and Bathroom Design	Demonstrate and apply knowledge of the impact of building construction on a kitchen or bathroom design	4	6	
23907	Product Design	Demonstrate knowledge of the impact of mechanical systems on kitchen design	3	4	C
27275	Kitchen and Bathroom Design	Demonstrate and apply knowledge of the impact of mechanical systems on a kitchen design	4	8	
23908	Product Design	Demonstrate knowledge of kitchen appliances and their impact on kitchen design	3	4	C
27276	Kitchen and Bathroom Design	Demonstrate and apply knowledge of the impact of kitchen appliances on a kitchen design	4	8	
23909	Product Design	Demonstrate knowledge of cabinet construction and installation and the impact on kitchen design	3	4	C
27277	Kitchen and Bathroom Design	Demonstrate and apply knowledge of the impact of cabinet construction and installation on a kitchen design	4	6	

ID	Domain	Title	Level	Credit	Review Category
23910	Product Design	Demonstrate knowledge of surface materials and the impact on kitchen design	3	4	C
27278	Kitchen and Bathroom Design	Demonstrate and apply knowledge of the impact of surface materials on a kitchen or bathroom design	4	8	
23911	Product Design	Demonstrate knowledge of space planning and ergonomics and the impact on kitchen design	3	4	C
27279	Kitchen and Bathroom Design	Demonstrate and apply knowledge of the impact of space planning on a kitchen design	4	6	
24686	Product Design	Analyse lighting and technology requirements to develop kitchen designs	4	3	C
27280	Kitchen and Bathroom Design	Analyse lighting and technology requirements and apply to developed kitchen or bathroom designs	5	8	
24687	Product Design	Apply surface material and construction requirements to kitchen design	4	6	C
27281	Kitchen and Bathroom Design	Analyse surface material and construction requirements and apply to developed kitchen or bathroom designs	5	10	
24688	Product Design	Demonstrate knowledge of styles and themes of kitchen design	3	2	C
27282	Kitchen and Bathroom Design	Demonstrate and apply knowledge of colour, styles and themes to kitchen or bathroom designs	5	12	
25208	Product Design	Demonstrate knowledge of cabinet installation for use in kitchen design	2	3	B
	Kitchen and Bathroom Design	Demonstrate knowledge of cabinet construction, installation and maintenance for use in a kitchen design		6	
25209	Product Design	Demonstrate knowledge of surface materials for use in kitchen design	2	4	B
	Kitchen and Bathroom Design	Demonstrate knowledge of surface materials for use in a kitchen design		6	

ID	Domain	Title	Level	Credit	Review Category
25210	Product Design Kitchen and Bathroom Design	Demonstrate knowledge of space planning and kitchen appliances for use in kitchen design Demonstrate knowledge of space planning and kitchen appliances for use in a kitchen design	2	4 8	B
26934	Kitchen and Bathroom Design	Solve kitchen or bathroom design problems	3	12	New
26935	Kitchen and Bathroom Design	Develop and present design solutions for a kitchen or bathroom and generate a contract for the design work	4	10	New
26936	Kitchen and Bathroom Design	Produce and present developed designs for a kitchen or bathroom	5	12	New
26937	Kitchen and Bathroom Design	Demonstrate knowledge of materials for use in bathroom design and interpret a design brief	2	12	New
26938	Kitchen and Bathroom Design	Demonstrate knowledge of plumbing systems and their impact on bathroom design	2	6	New
26939	Kitchen and Bathroom Design	Create kitchen or bathroom sketches and concept drawings	2	4	New
26940	Kitchen and Bathroom Design	Demonstrate and apply knowledge of the impact of ergonomic requirements on a kitchen or bathroom design	4	8	New
26941	Kitchen and Bathroom Design	Write a kitchen or bathroom design brief and design statement	4	6	New
26942	Kitchen and Bathroom Design	Demonstrate and apply knowledge of the impact of bathroom fixtures, fittings, and accessories on a bathroom design	4	8	New
26943	Kitchen and Bathroom Design	Demonstrate and apply knowledge of the impact of mechanical systems and space planning on a bathroom design	4	8	New

ID	Domain	Title	Level	Credit	Review Category
26944	Kitchen and Bathroom Design	Record information and produce kitchen or bathroom design calculations	4	4	New
26945	Kitchen and Bathroom Design	Demonstrate knowledge of building construction for use in a kitchen or bathroom design	2	2	New
26946	Kitchen and Bathroom Design	Demonstrate and apply knowledge of the impact of design principles and elements on kitchen or bathroom designs	4	5	New
26947	Interior Design	Design a laundry or utility room	5	15	New
26948	Kitchen and Bathroom Design	Design a commercial kitchen or bathroom	5	8	New
26949	Kitchen and Bathroom Design	Design a kitchen or bathroom for use in a multi-level dwelling	5	15	New
26950	Kitchen and Bathroom Design	Design a kitchen or bathroom to meet special needs	5	15	New