

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

Subfield	Domain	ID
Boating Industries	Boatbuilding	18170, 25118
Composites	Industrial Composites	26561
	Production Composites	3183, 23036

NZ Marine and Composites Industry Training Organisation (NZMAC ITO) has completed the review of the unit standards listed above.

Date new versions published

December 2016

Planned review date

December 2020

Summary

NZMAC ITO carried out a review to better align these core standards to the graduate outcomes of the New Zealand qualifications in Marine or Composite Industry. The term composite has been included to better reflect the scope of NZMAC ITO, and units have also been updated to reflect the new Health and Safety Legislation. The review was conducted at NZMAC ITO workplace. Consultation with other qualification developers was carried out by email.

Main changes

- 3183, 23036, and 26561 have increased in credits from 4 to 5 and; 18170 and 25118 have increased credits from 3 to 5 to better reflect the learning and assessment time.
- Unit standards 3183, 18170, and 25118 titles and content have been updated where required to include reference to the composite industry.
- Explanatory notes have been updated to reflect changes in legislation.
- A last for assessment of superseded versions was specified.

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 NZMAC ITO qualifications are impacted by the outcome of this review. These qualifications will not be reviewed as they have been replaced with the New Zealand qualifications. The classifications and/or standards that generated the status *Affected* are listed in **bold**.

Ref	Qualification Title	Classification or ID
0121	National Certificate in Composites (Level 4)	23036, 3183, 25118, 26561
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	23036, 18170, 3183, 25118
0930	National Certificate in Boatbuilding (Level 3) Marine Electrical and Electronic Installation	18170
1157	National Certificate in Composites (Level 3)	3183

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 > Boating Industries > Boatbuilding

ID	Title	Level	Credit	Review Category
18170	Contribute to a project team in the boating industry Contribute to a project team in a marine or composite workplace	3	3 5	B
25118	Demonstrate knowledge of adhesives used in composites and boatbuilding Demonstrate knowledge of adhesives used in a marine or composites workplace	3	3 5	B

Manufacturing > Composites > Industrial Composites

ID	Title	Level	Credit	Review Category
26561	Produce a work schedule and resourcing plan for a composite component project	4	4 5	B

Manufacturing > Composites > Production Composites

ID	Title	Level	Credit	Review Category
3183	Prepare pre-form materials for lamination for composites Prepare pre-form lamination materials for composites products	3	4 5	B
23036	Describe resin infusion and injection processes for composites	4	4 5	B