

**Field      Manufacturing****Review of *Boatbuilding Industries and Composites* unit standards**

<b>Subfield</b>	<b>Domain</b>	<b>ID</b>
Boating Industries	Boatbuilding	18158, 18159, 18160, 23243, 25113, 25155, 25156, 26082
	Marine Sales and Services	9913
Composites	Production Composites	3160, 3161, 3162, 3184, 3185

The New Zealand Marine and Composites Industry Training Organisation has completed the review of the unit standards listed above.

**Date new versions published**

**October 2015**

**Planned review date**

**December 2020**

**Summary**

As a result of the Targeted Review of Qualifications process, the New Zealand Marine and Composites Industry Training Organisation has reviewed a number of unit standards to better reflect the requirements of the graduate outcomes in the proposed new qualifications.

It was identified that a number of unit standards required review as they were no longer fit for purpose.

Remaining unit standards in the Boatbuilding, Production Composites, and Marine Sales and Services domains will be reviewed in 2016.

**Main changes**

- Unit standards have been reviewed to meet industry needs as reflected in the proposed New Zealand qualifications' graduate profile outcomes.
- New unit standards replace existing unit standards in order to better reflect the outcomes and credits adjusted to reflect indicative learning and assessment time.
- Outcomes, evidence requirements, ranges and/or explanatory notes were developed to ensure delivery and assessment consistency.
- Regulations and legislation were updated.

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

### Impact on existing accreditations

Current consent for			Consent extended to		
Nature of consent	ID	Level	Nature of consent	ID	Level
Domain	Boatbuilding	2	Standard	18159	3
Standard	3162	4	Standard	29234	3
Standard	18160	2	Standard	29237, 29236	3
Standard	25155, 25156	3	Standard	29235	3

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

All changes are in **bold**.

Manufacturing > Boating Industries > Boatbuilding

ID	Title	Level	Credit	Review Category
18158	Select, use and care for hand tools used in boatbuilding  <b>Select, use, and care for hand tools used in the marine or composite industry</b>	2	5	B
18159	Select, use and care for portable power tools used in boatbuilding  <b>Select, use, and care for portable power tools used in the marine or composite industry</b>	2  <b>3</b>	5	B
18160	Operate mechanical plant used in boatbuilding	2	12	C
<b>29237</b>	<b>Operate mechanical plant used in the marine or composite industry, under supervision</b>	<b>3</b>	<b>5</b>	
and				
<b>29236</b>	<b>Operate mechanical plant used in the composite or boatbuilding industry</b>	<b>4</b>	<b>10</b>	
23243	Identify and explain the causes and prevention of material deterioration in the marine environment	4	8  <b>10</b>	B
25113	Describe filling and fairing technology used in boatbuilding	3	4	C
25155	Fair boat surfaces	3	4	
25156	Fill boat surfaces	3	6	
<b>29235</b>	<b>Describe and apply filling and fairing technology</b>	<b>3</b>	<b>15</b>	

ID	Title	Level	Credit	Review Category
26082	Demonstrate knowledge of and apply sustainability concepts in the boatbuilding industry	4	10	C
<b>29238</b>	<b>Apply environmentally sustainable work practices and principles in the marine or composite industry</b>	<b>4</b>	<b>5</b>	

## Manufacturing &gt; Boating Industries &gt; Marine Sales and Services

ID	Title	Level	Credit	Review Category
9913	Demonstrate knowledge of the New Zealand marine industry	2	3	B
	<b>Demonstrate knowledge of the New Zealand marine and composite industry</b>	<b>3</b>	<b>5</b>	

## Manufacturing &gt; Composites &gt; Production Composites

ID	Title	Level	Credit	Review Category
3160	Produce a laminated polyester resin item to a product specification for composites	3	5	C
3161	Produce an epoxy resin item to a product specification for composites	3	5	
3162	Produce a vinylester resin item to a product specification for composites	4	5	
3184	Prepare a mould for moulding for composites	3	5	
3185	Demould laminated items for composites	3	6	
<b>29234</b>	<b>Produce resin items to finished product specifications for composites</b>	<b>3</b>	<b>25</b>	

**Key to review category**

<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