

**Field      Manufacturing****Review of *Boatbuilding* and *Sailmaking* unit standards**

<b>Subfield</b>	<b>Domain</b>	<b>ID</b>
Boating Industries	Boatbuilding	18158, 18159, 18171, 23040, 29237
Industrial Textile Fabrication	Sailmaking	11801, 11805, 11809-11813

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

**Date new versions published**

**September 2018**

**Planned review date**

**December 2023**

**Summary**

NZMAC ITO carried out a review to better align these unit standards to the graduate outcomes of the New Zealand qualifications relating to the marine industry and also to reflect the new health and safety legislation. Industry and subject matter experts provided feedback and input into the review of these unit standards.

NZMAC ITO developed new unit standards for the Composite Sail Making strand of the New Zealand Certificate in Yacht Rig Structure (Level 4) [Ref: 3126] to meet the graduate outcomes of this qualification. The review was carried out in consultation with representatives from the Sailmaking sector.

**Main changes**

- Credits decreased for unit standards 11801, 11813, 18171, and 23040 as a result of reduced outcomes and to better reflect the learning and assessment time involved.
- The level of unit standards 11805, 11809, 11812, and 11813 increased from 3 to 4 to better represent the learning and skill required.
- Unit standard titles and outcomes were updated to better reflect the evidence required to demonstrate competence.
- Guidance Information was updated to reflect the changes in legislation and to update definitions.
- Six unit standards were developed to assess key skills required for sailmaking.

**The last date for assessment of superseded versions of Category B unit standards is December 2020**

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

All changes are in **bold**.

<b>Key to review category</b>	
<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

## Manufacturing &gt; Boating Industries &gt; Boatbuilding

ID	Title	Level	Credit	Review Category
18158	Select, use, and care for hand tools used in the marine or composite industry	2	5	B
18159	Select, use, and care for portable power tools used in the marine or composite industry	3	5	B
18171	Demonstrate knowledge of spars and rigging	3	5 4	B
23040	Demonstrate knowledge of yacht spar and rigging systems	4	8 6	B
29237	Operate simple mechanical plant used in the marine or composite industry <b>Operate simple mechanical plant or equipment used in the marine or composite industry</b>	3	5	B

## Manufacturing &gt; Industrial Textile Fabrication &gt; Sailmaking

ID	Title	Level	Credit	Review Category
11801	Modify and test a sail in the sailmaking industry <b>Modify a sail in the sailmaking industry</b>	4	15 12	B
11805	Repair a damaged sail in the sailmaking industry <b>Assess and repair a damaged sail in the sailmaking industry</b>	3 4	8	B
11809	Measure, mark out, and cut material for sail production in the sailmaking industry	3 4	12	B
11810	Assemble and stick sail panels together in the sailmaking industry <b>Assemble and join sail panels together in the sailmaking industry</b>	4	16	B
11811	Carry out second layout measurement check and trim in the sailmaking industry	4	15	B
11812	Sew materials in the sailmaking industry	3 4	8	B
11813	Hand work materials in the sailmaking industry <b>Hand work sail materials in the sailmaking industry</b>	3 4	15 12	B
31463	<b>Interpret sail plans, and evaluate quantities and costs for sailmaking projects</b>	4	10	New
31464	<b>Demonstrate knowledge of sail design and performance factors</b>	3	3	New
31465	<b>Demonstrate knowledge of and select sailcloth material for boat sail fabrication</b>	4	5	New
31466	<b>Demonstrate knowledge of sewing machines, perform routine maintenance, and set lockstitches for boat sail fabrication</b>	4	6	New
31467	<b>Pack, record, and label a fabricated sail</b>	2	2	New
31468	<b>Test a sail in the sailmaking industry</b>	3	2	New