

Field Manufacturing**Revision of *Boatbuilding* and *Composites* unit standards**

Subfield	Domain	ID
Boating Industries	Boatbuilding	23036, 23254, 25118
Composites	Industrial Composites	3172
	Production Composites	3173, 3182

The Boating Industry Training Organisation has completed the revision of the unit standards listed above.

Date new versions published**August 2010****Planned review date**

3172, 3173, 3182, 23254	December 2011 (unchanged)
23036	December 2012 (unchanged)
25118	December 2013 (unchanged)

Summary

These unit standards were revised prior to the imminent review of the National Certificate in Composites (Level 4) [Ref: 0121]. The responsibility for Industrial Composites and Production Composites domains had been recently transferred from Competenz to the Boating Industry Training Organisation. Adjustment of domain and titles of unit standards was required so standards could be used in both boatbuilding and composite contexts and to avoid duplication. The revision also provides clarification of terminology and calibration between standards.

The changes were made as part of the planning and consultation for the review of the National Certificate in Composites (Level 4) [Ref: 0121].

Main changes

- Titles and elements were altered to broaden the suitability of standards for use in boatbuilding and composite contexts.
- Terminology was clarified for the related but distinctly different processes: *resin injection*, *infusion*, *resin transfer moulding (RTM)* and *RTM light*.
- Standards 23036 and 23254 have changed subfield and domain.

Last date for assessment for versions 1-3 of unit standards 3172, 3173, and 3182 is 31 December 2012

Impact on existing accreditations

Current Accreditation for			Accreditation extended to		
Nature of accreditation	Classification	Level	Nature of accreditation	ID	Level
Subfield	Boating Industries	4	Standards	23036, 23254	4
Domain	Boatbuilding	4	Standards	23036, 23254	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 Boating Industry Training Organisation qualification is *not materially affected* by the outcome of this revision and will be updated when it is revised or reviewed in 2015. The standards that generated the status are listed in **bold**.

Ref	Qualification Title	ID
0877	National Certificate in Boatbuilding (Level 4) with strands in Marine Cabinetmaking, Composite Sparmaking, Alloy Boatbuilding, Marine Rigging, Marine Painting, Composite Boatbuilding, Steel Boatbuilding, Wooden Boatbuilding, Marine Systems Engineering, Metal Sparmaking, Composite Production Trailer Boats, and Alloy Production Trailer Boats	23036, 23254

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

All changes are in **bold**.

Manufacturing

ID	Subfield	Domain	Title	Level	Credit
3172	Composites	Industrial Composites	Produce an item by resin injection for composites	4	7
3173	Composites	Production Composites	Produce an item by resin transfer for composites Produce an item by resin infusion for composites	4	7
3182	Composites	Production Composites	Produce a mould or tool from a plug or pattern for composites Produce an open mould from a plug or pattern for composites	4	5
23036	Boating Industries Composites	Boatbuilding Production Composites	Describe infusion and resin transfer moulding processes used in boatbuilding Describe resin infusion and injection processes for composites	4	4
23254	Boating Industries Composites	Boatbuilding Production Composites	Restore and repair gelcoat on production trailer boats Touch up and restore gelcoat	4	4

ID	Subfield	Domain	Title	Level	Credit
25118	Boating Industries	Boatbuilding	Demonstrate knowledge of adhesives used in boatbuilding Demonstrate knowledge of adhesives used in composites and boatbuilding	3	3