

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

Subfield	Domain	ID
Boating Industries	Boatbuilding	9924, 9928, 11779, 23250, 23252, 23256, 26084
	Marine Design	10864
	Marine Sales and Services	9917
Composites	Production Composites	3167, 3193

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

Date new versions published

April 2017

Planned review date

December 2021

Summary

NZMAC ITO carried out a review to better align these core standards to the graduate outcomes of the New Zealand qualifications in the Marine or Composites Industry and to reflect the new health and safety legislation. The review was conducted at NZMAC ITO workplace in consultation with subject matter experts.

Main changes

- Unit standards 23250, 23252 and 23256 increased in credits to better reflect the learning and assessment time.
- Unit standard 3167 increased in level from 3 to 4 to better represent the level of learning and assessment.
- New unit standards were developed to meet graduate profile outcome requirements in the New Zealand Qualifications.
- Guidance information was updated to reflect the changes in legislation.
- Unit standard titles and content were updated to better reflect the standard outcomes.

The last date for assessment of superseded versions of Category B unit standards is December 2018

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
Domain	Production Composites	3	Standard	3167	4

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
9924	Manage marine construction contracts Manage a marine construction contract	6	20 40	B
9928	Commission a single boat system	6	4	B
11779	Plan the installation of inboard power plants and power trains	5	20	B
23250	Describe production trailer boat support and transport requirements Demonstrate knowledge of production trailer boat support and transport requirements	3	3 5	B
23252	Demonstrate knowledge of production trailer boat design	4	4 5	B
23256	Demonstrate knowledge of quality control for production trailer boats Demonstrate knowledge of quality control for trailer boat production	4	3 5	B
26084	Plan and communicate a work schedule and supervise and lead a team for construction of a boat module Plan and communicate a work schedule and supervise and lead a project team for construction of a boat module	5	10	B
30202	Implement communication strategies for a complex project in the marine or composite industry	5	20	New
30203	Cut metal by thermal processes in the marine industry	4	5	New
30204	Demonstrate knowledge of marine electrical systems	4	8	New
30205	Develop and manage a risk management plan for a complex project in the marine or composite industry	6	20	New
30206	Fabricate boat components	4	20	New
30207	Join light fabrication materials for boat components	4	25	New
30208	Lay out and mark off light fabrication boat components	4	25	New
30209	Weld aluminium boat components	4	15	New

Manufacturing > Boating Industries > Marine Design

ID	Title	Level	Credit	Review Category
10864	Produce working drawings from developed designs for major or minor marine structures Produce working drawings from developed designs for complex boat structures	5	20	B

Manufacturing > Boating Industries > Marine Sales and Services

ID	Title	Level	Credit	Review Category
9917	Demonstrate knowledge of boatbuilding methods Demonstrate knowledge of boat building methods	2	4	B

Manufacturing > Composites > Production Composites

ID	Title	Level	Credit	Review Category
3167	Deposit composite matrix with a depositor or chopper gun	3 4	6	B
3193	Apply quantity surveying to composite production Calculate material quantities for composite production	3	2	B