

Title	Demonstrate knowledge of computer technology used in the marine or composite industry		
Level	3	Credits	6

Purpose	People credited with this unit standard are able to, as used in the marine or composite industry: explain computer business applications; describe computer design applications; describe a computer aided manufacturing process; and explain on-board computer systems used.
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Classification	Boating Industries > Boatbuilding
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Available grade	Achieved
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Guidance Information

None

Outcomes and performance criteria

Outcome 1

Explain computer business applications used in the marine or composite industry.

Performance criteria

1.1 Computer business applications are explained in terms of their operational use.

Range applications may include – research, spreadsheets, database applications, accounting applications, job costing, inventory control, account allocation, bar coding, timesheets, project scheduling, mobile applications; evidence of six computer business applications is required.

Outcome 2

Describe computer design applications used in the marine or composite industry.

Performance criteria

2.1 Computer design applications are described in terms of their operational use.

Range applications may include – naval architecture, stability analysis, hydrostatics modelling, speed predictions, finite analysis for keels and rigs, detailed design, electronic transfer of design drawings, optimisation programmes, plate/ shape nesting, prefabrication optimisation;
evidence of six computer design applications is required.

Outcome 3

Describe a computer aided manufacturing process used in the marine or composite industry.

Performance criteria

3.1 A computer aided manufacturing process is described in terms of its use in organisation operations and practices.

Outcome 4

Explain on-board computer systems used in the marine or composite industry.

Performance criteria

4.1 On-board computer systems are explained in terms of their operational uses.

Range on-board systems may include – machinery management, programmable logic controllers, data networks, electronics, communication, navigation, data storage, rig and sail performance systems;
evidence of six on-board computer systems is required.

Planned review date	31 December 2030
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	28 March 2001	31 December 2017
Revision	2	11 February 2005	31 December 2017
Rollover	3	20 March 2009	31 December 2017
Review	4	19 January 2017	31 December 2023
Review	5	26 August 2021	31 December 2027
Review	6	26 June 2025	N/A

Consent and Moderation Requirements (CMR) reference	0136
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Hanga-Aro-Rau Engineering, Manufacturing and Logistics Workforce Development Council at qualifications@hangaarorau.nz if you wish to suggest changes to this unit standard.