

<b>Title</b>	<b>Produce working drawings from developed designs for complex boat structures</b>		
<b>Level</b>	<b>5</b>	<b>Credits</b>	<b>20</b>

<b>Purpose</b>	People credited with this unit standard are able to produce working drawings from developed designs for marine structures.
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<b>Classification</b>	Boating Industries > Marine Design
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<b>Available grade</b>	Achieved
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### Guidance Information

#### Definitions

*Design principles* referred to in this standard incorporate ergonomics, functionality, practicality, scantlings, aesthetics, and design rules.

*Complex boat structures* referred to in this unit standard to the whole structure or complex sections of a boat, e.g. bridge decks, hull, flybridge, mast/spars, and superstructures.

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### Outcomes and performance criteria

#### Outcome 1

Produce working drawings from developed designs for complex boat structures.

#### Performance criteria

- 1.1 Working drawings are aligned with the developed designs and client requirements.
- 1.2 Structural and functional specifications are evaluated against developed designs.
- 1.3 Working drawings are produced that meet developed design and client requirements.
- 1.4 Schedules of quantities and time estimates are produced to meet working drawings.

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<b>Planned review date</b>	31 December 2021
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	19 June 1997	31 December 2018
Revision	2	21 March 2001	31 December 2018
Revision	3	16 April 2004	31 December 2018
Rollover and Revision	4	20 March 2009	31 December 2018
Review	5	20 April 2017	N/A

**Consent and Moderation Requirements (CMR) reference**

0136

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

**Comments on this unit standard**

Please contact the NZ Marine and Composites Industry Training Organisation [training@nzmarine.com](mailto:training@nzmarine.com) if you wish to suggest changes to the content of this unit standard.