

Title	Produce developed marine designs		
Level	6	Credits	50

Purpose	People credited with this unit standard are able to: identify design requirements from conceptual designs; design marine structures, components, and systems; coordinate marine custom designs; produce developed designs; and produce legal documents for marine contracts.
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Classification	Boating Industries > Marine Design
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Available grade	Achieved
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Guidance Information

This unit standard includes new work, refits, structural alterations, and repairs.

Outcomes and performance criteria

Outcome 1

Identify design requirements from conceptual designs.

Performance criteria

- 1.1 Sketch pad concepts are marked for inclusion in selected design in terms of classification and briefing requirements.

Outcome 2

Design marine structures, components, and systems.

Performance criteria

- 2.1 Drawings incorporate structural and constructional methods that meet industry and classification requirements.
- 2.2 Detail drawings incorporate structural ideas in terms of component and system design.
- 2.3 Calculations incorporate structural information for marine floating bodies that meets industry and classification requirements.

Outcome 3

Coordinate marine custom designs.

Performance criteria

- 3.1 Project co-ordination programme is developed for components and equipment incorporating information and specifications.
- 3.2 Construction schedule is developed incorporating time lines and subcontract specialist input.
- 3.3 Construction schedule is implemented and monitored according to the project coordination programme.

Outcome 4

Produce developed designs.

Performance criteria

- 4.1 Collated set of drawing sheets is produced outlining complete construction.
- 4.2 Draft specifications and contract documents are produced outlining specifications, contracts, and costings to meet client's and design brief requirements.

Outcome 5

Produce legal documents for marine contracts.

Performance criteria

- 5.1 Drawings, details, and specifications are collated to produce a contract set that meets clients and architect's requirements.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	19 June 1997	31 December 2025
Revision	2	21 March 2001	31 December 2025
Revision	3	16 April 2004	31 December 2025
Rollover and Revision	4	20 March 2009	31 December 2025
Rollover and Revision	5	26 July 2018	31 December 2025
Review	6	25 August 2022	31 December 2025

Consent and Moderation Requirements (CMR) reference

0136

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