

Title	Validate characteristics and performance of marine or composite products against declared specifications		
Level	7	Credits	35

Purpose	People credited with this unit standard are able to validate marine or composite construction during and after the construction process, and validate characteristics and performance after product construction or production.
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Classification	Boating Industries > Marine Design
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Available grade	Achieved
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Guidance Information

1 Definitions

Design principles referred to in this unit standard incorporate ergonomics, functionality, practicality, scantlings, aesthetics, manufacture process, production structure, and design rules.

Products referred to in this unit standard include – major (hull) and minor (superstructure) structures, underwater appendages, spars and derricks, internal and/or external systems, and interior and exterior styling.

Characteristics referred to in this unit standard include strength, durability, and fit for purpose.

2 Range

may include – new work, repairs.

Outcomes and performance criteria

Outcome 1

Validate marine or composite construction during and after the construction process.

Performance criteria

- 1.1 Specifications and methods are checked against construction or manufacturer, published data, and rules.
- 1.2 Product construction or production is checked against approved working drawings or production process.

Outcome 2

Validate characteristics and performance after product construction or production.

Performance criteria

- 2.1 Actual product characteristics and performance are validated against agreed design criteria by undergoing sea trials or production testing.
- 2.2 Actual product characteristics and performance are reported, and conclusions and recommendations are documented to meet industry format.

Planned review date	31 December 2027
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Status information and last date for assessment for superseded versions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 2024
Revision	2	21 March 2001	31 December 2024
Revision	3	16 April 2004	31 December 2024
Rollover and Revision	4	20 March 2009	31 December 2024
Rollover and Revision	5	26 July 2018	31 December 2024
Review	6	25 August 2022	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 Manufacturing, Engineering and Logistics Workforce Development Council qualifications@hangaarorau.nz if you wish to suggest changes to the content of this unit standard.