

Title	Demonstrate knowledge of sail design and performance factors		
Level	3	Credits	3

Purpose	People credited with this unit standard are able to describe different types of sail designs and explain sail design factors for boat performance requirements.
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Classification	Industrial Textile Fabrication > Sailmaking
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Available grade	Achieved
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Guidance Information

Range

Sail designs may include but are not limited to – square top racing mainsail, racing mainsail, racing genoa, racing jib, cruising mainsail, fullbatten cruising mainsail, high roach mainsail, mast furling mainsail, boom furling mainsail, roller furling genoa, roller furling jib, code sails, racing asymmetric spinnakers, cruising gennaker.

Outcomes and performance criteria

Outcome 1

Describe different types of sail designs.

Performance criteria

1.1 Sail designs are described in terms of use and sail performance requirements.

Range evidence of five different types of sail is required.

1.2 Sail designs are described in terms of suitable materials for performance requirements.

Outcome 2

Explain sail design factors for boat performance requirements.

Performance criteria

2.1 Sail design factors are explained in terms of boat performance requirements.

Range factors may include – weight, sail shape, size, sail structure, fibre mapping, materials selection.

Planned review date	31 December 2023
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 September 2018	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 the NZ Marine and Composites ITO training@nzmarine.com if you wish to suggest changes to the content of this unit standard.