

Title	Interpret sail plans, and evaluate quantities and costs for sailmaking projects		
Level	4	Credits	10

Purpose	People credited with this unit standard are able to interpret sail plans, and evaluate costs and quantities for sailmaking projects.
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Classification	Industrial Textile Fabrication > Sailmaking
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Available grade	Achieved
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Guidance Information

1 Definitions

Class rules refer to a set of rules and regulations prescribed by the International Sailing Federation, which state the standard requirements for producing, modifying, maintaining, or repairing a boat, or its components including sails. The rules and regulations apply to racing and recreational sailing, and are administered locally by Yachting New Zealand. Yachting New Zealand's website is <https://www.yachtingnz.org.nz>.

Sail dimensions are:

- I – is the distance from the mast at deck level up to the point where the head stay intersects the mast;
- J – is the distance from the front of the mast at deck level to where the headstay is attached to the deck;
- P – is the length of the luff of the mainsail head to tack;
- E – is the length of the mainsail foot (tack to clew);
- LP – is the luff perpendicular to the clew of the headsail;
- SPL – is the length of the spinnaker pole; and
- FL – forestay length measure from the forward end of J to the forestay rigging point.

2 Range

Evidence of one design or class rules sail plan, and one custom sail plan is required.

Outcomes and performance criteria

Outcome 1

Interpret sail plans.

Performance criteria

- 1.1 Sail making project and relevant scales are identified in accordance with design specifications.
- 1.2 Rig type and configuration is identified in accordance with design specifications.
- 1.3 Full size sail dimensions are established in accordance with design specifications.
- Range sail dimensions – I, J, P, E, LP, SPL, FL.
- 1.4 Drawings are interpreted in terms of sail type, shape, area, material, structure and reinforcing, accessories and tolerances.

Outcome 2

Evaluate quantities and costs for sailmaking projects.

Performance criteria

- 2.1 All materials and accessories required are documented in accordance with job and design specifications.
- 2.2 Cost and quantities of materials and accessories are evaluated and documented in accordance with job and design specifications.

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.