

Title	Identify job requirements, draw a scale plan, and make a sail pattern in the sailmaking industry		
Level	4	Credits	8

Purpose	This unit standard is for people who work in the sailmaking industry. People credited with this unit standard are able to: identify the job requirements; draw a scale plan of a sail; and make a sail pattern.
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Classification	Industrial Textile Fabrication > Sailmaking
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Available grade	Achieved
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Guidance Information

- 1 Learners undertaking assessment against this unit standard are expected to comply with the following rules and legislation and any subsequent amendments.
 - Health and Safety at Work Act 2015
 - Health and Safety in Employment Regulations 1995
 - Racing Rules of Sailing and YNZ Safety Regulations of Sailing 2017-2020.
- 2 Definitions

Company requirements refer to instructions to staff on policy and procedures which are documented in memo or manual format and are available in the workplace. These requirements include but are not limited to – company specifications and procedures, work instructions, sail and manufacturer design specifications, product quality specifications, and legislative requirements.

Class rules are rules prescribed internationally by the International Sailing Federation and administered locally by Yachting New Zealand. Rules apply to racing and recreational sailing. Yachting New Zealand's website is <http://www.yachtingnz.org.nz/>.
- 3 This unit standard covers both metric and imperial measurements.

Outcomes and performance criteria

Outcome 1

Identify the job requirements.

Performance criteria

- 1.1 Job requirements are identified and verified in accordance with the job and/or designer specifications and company requirements.

- 1.2 Types of material to carry out the job are identified, and are compatible with existing material.
- 1.3 Calculations to enable the plan to be drawn are carried out in accordance with sail specifications and company requirements.
- Range curves, areas, percentages;
applicable class rules.

Outcome 2

Draw a scale plan of a sail.

Performance criteria

- 2.1 Scale is determined in accordance with job specifications.
- 2.2 Allowances are applied in accordance with company requirements.
- Range shrinkage, stretch.
- 2.3 Scale plan of sail is made in accordance with company requirements, and measurements are in accordance with job specifications and applicable class rules.
- Range may include but is not limited to – markers, paper, cardboard, measuring instruments, square, straight edge, calculators, computer, computer aided design (CAD);
scale size, actual size.

Outcome 3

Make a sail pattern.

Performance criteria

- 3.1 Materials used to make a pattern are identified.
- Range may include but is not limited to – markers, paper, cardboard, Mylar, measuring instruments, square, straight edge, calculators, computer, CAD.
- 3.2 A pattern is made in accordance with company requirements and measurements are in accordance with job specifications.
- Range template, directly on to fabric.
- 3.3 Customer requirements are verified and measurements are to job specifications.
- 3.4 Test product is produced, checked, and is in accordance with original requirement.

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	25 September 1997	31 December 2022
Revision	2	14 November 2000	31 December 2022
Revision	3	16 October 2003	31 December 2022
Review	4	26 March 2007	31 December 2022
Rollover	5	27 January 2015	31 December 2022
Revision	6	20 July 2017	31 December 2022
Review	7	27 August 2020	31 December 2022

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>.