

<b>Title</b>	<b>Identify requirements and design a sail in the sailmaking industry</b>		
<b>Level</b>	<b>5</b>	<b>Credits</b>	<b>20</b>

<b>Purpose</b>	This unit standard is for people who work in the sailmaking industry. People credited with this unit standard are able to: identify design requirements; and design a sail.
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<b>Classification</b>	Industrial Textile Fabrication > Sailmaking
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<b>Available grade</b>	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/>.

### Outcomes and performance criteria

#### Outcome 1

Identify design requirements.

#### Performance criteria

- 1.1 Customer requirements, the feasibility of doing the job, and drawing the pattern to job specifications, are determined in accordance with company requirements.
 

Range customer satisfaction, applicable class rules, cost, wastage.

1.2 The type of sail design is identified in accordance with customer requirements and design specifications.

Range down-wind, up-wind, reaching, storm sails.

1.3 Materials to be used for the sail are identified in accordance with customer requirements and design specifications.

## Outcome 2

Design a sail.

### Performance criteria

2.1 Materials and equipment used to design a sail are identified.

Range may include but is not limited to – markers, paper, cardboard, measuring instruments, square, straight edge, calculators, computer aided design (CAD).

2.2 Customer requirements are verified and measurements are in accordance with job specifications and applicable class rules.

2.3 Calculations are carried out in accordance with job and/or designer specifications and company requirements.

Range includes but is not limited to – curves, areas, percentages; allowance for – seams, hems, shrinkage, stretch.

2.4 Sail design is drawn 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, CAD.

2.5 The design meets customer requirements, applicable class rules, and company requirements.

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**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

<b>Consent and Moderation Requirements (CMR) reference</b>	0136
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.