

Title	Make and fit patches to sails in the sailmaking industry		
Level	2	Credits	5

Purpose	People credited with this unit standard are able to: identify the type of patch, type of sail, location of the patch and perform calculation for size of patch required; prepare materials and equipment, and make patch for sail; fit the patch.
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Classification	Industrial Textile Fabrication > Sailmaking
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Available grade	Achieved
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Guidance Information

- 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 YNZSA Safety Regulations of Sailing 2017-2020.

- Definitions

Class rules refer to a set of rules and regulations prescribed by the International Sailing Federation, which states 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 administered locally by Yachting New Zealand. Yachting New Zealand's website is <http://www.yachtingnz.org.nz/>.

Job specifications refer to the standard requirements of the job being undertaken.

Workplace policies and procedures refer to the documented procedures and policies providing guidelines of the tasks and activities carried out in the workplace. This typically includes relevant health and safety policies to manage risk in the workplace.

Outcomes and performance criteria

Outcome 1

Identify the type of patch, type of sail, location of the patch, and perform calculation for size of patch required.

Performance criteria

- 1.1 Type of sail is identified in accordance with design specifications.

- 1.2 Calculations are carried out to determine the location and size of the patch required in accordance with the design specifications, applicable class rules, and job specifications.
- 1.3 Type of patch is identified in accordance with the sail material manufacturer specifications, and job specifications.

Outcome 2

Prepare materials and equipment and make patch for sail.

Performance criteria

- 2.1 Tools and equipment are prepared in accordance with design specifications and job specifications.
- Range may include but is not limited to – shears, square, measuring tape, bonding equipment.
- 2.2 Defects in fabric are identified and removed in accordance with workplace policies and procedures.
- 2.3 Patch is made and assembled in accordance with design specifications and job specifications.
- 2.4 Location of patch is checked on sail in accordance with design specifications and applicable class rules.

Outcome 3

Fit the patch.

Performance criteria

- 3.1 Patch is fitted on sail in accordance with design specifications and job specifications.
- 3.2 Patch is checked, and remedial action is taken if required to ensure design specifications, class rules, and job specifications are met.
- 3.3 Tools and equipment are cleaned and put away in their place in accordance with workplace policies and procedures.

Planned review date	31 December 2025
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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	13 March 2001	31 December 2022
Revision	4	16 October 2003	31 December 2022
Review	5	26 March 2007	31 December 2022
Rollover	6	27 January 2015	31 December 2022
Revision	7	20 July 2017	31 December 2022
Review	8	27 August 2020	N/A

Consent and Moderation Requirements (CMR) reference

0136

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 Industry Training Organisation training@nzmarine.com if you wish to suggest changes to the content of this unit standard.