

Title	Join components for the production of marine inflatables		
Level	4	Credits	60

Purpose	<p>People credited with this unit standard are able to: prepare for joining marine inflatable components; pre-glue and glue components and sub-assemblies; and weld components and sub-assemblies.</p> <p>This unit standard is applicable to non-regulated marine inflatables, such as non-certified boats, marker buoys, oil booms, and fenders.</p>
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Classification	Boating Industries > Marine Sales and Services
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Available grade	Achieved
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Prerequisites	Unit 11774, <i>Buff and clean marine inflatable components for joining</i> , or demonstrate equivalent knowledge and skills.
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Guidance Information

- 1 Definition
Company procedures refers to the documented procedures for the machine and/or worksite.
- 2 Evidence of the elements of this unit standard must be presented across the following contexts:
welding methods – hand-held hot air welding, machine hot air welding, high frequency machine welding;
evidence two welding methods is required.
- 3 All work practices must meet recognised codes of practice and documented worksite health and safety, and must meet the obligations required under the Health and Safety at Work Act 2015 and Resource Management Act 1991, and any subsequent amendments.

Outcomes and performance criteria

Outcome 1

Prepare for joining marine inflatable components.

Performance criteria

- 1.1 Checking of the type, number, and standard of supplied components and sub-assemblies ensures that the required final assembly can be produced.
- Range standards of cleanliness, buffing, construction lines.
- 1.2 Selection of formers and jointers matches job requirements.
- 1.3 Joining marks are visible, and are matched to shape requirements.

Outcome 2

Pre-glue and glue components and sub-assemblies.

Performance criteria

- 2.1 Adhesive selection is matched to fabric type.
- Range hyperlon, polyvinyl chloride.
- 2.2 Adhesives are mixed, applied, and cured in accordance with manufacturer's specifications and recommendations.
- 2.3 Components and sub-assemblies are pre-glued in accordance with job requirements.
- 2.4 Sequence of pre-gluing and gluing meets the requirements of the company work programme.
- 2.5 Glued joints are completed and tested to company specifications for location and strength.

Outcome 3

Weld components and sub-assemblies.

Performance criteria

- 3.1 Test samples are produced and tested in accordance with company requirements.
- 3.2 Sequence of welding meets the requirements of the company work programme.
- 3.3 Welded joints are completed and tested to company specifications for location and strength.

Planned review date	31 December 2020
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 August 1997	N/A
Revision	2	21 March 2001	N/A
Revision	3	16 April 2004	N/A
Rollover	4	20 March 2009	N/A
Rollover and Revision	5	31 May 2018	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 ITO training@nzmarine.com if you wish to suggest changes to the content of this unit standard.