

<b>Title</b>	<b>Demonstrate knowledge of marine paint system repair</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>6</b>

<b>Purpose</b>	People credited with this unit standard are able to: describe preparation for the repair of marine paint system defects; explain priming, undercoating and filling processes used for marine paint system repairs; and describe finish coat application methods and feather edge treatment on marine paint system.
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<b>Classification</b>	Boating Industries > Boatbuilding
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 This unit standard assumes the candidate is familiar in common surface preparation techniques for marine painting on non-repair situations.
- 2 Definitions
  - Application methods* refer to spray, airless spray, roll, brush, screed, curing, sanding, or feather edge treatment.
  - Defect* refers to imperfection in the paint that requires rectification.
  - Feather edge* refers to edge treatment of the boundaries of a paint repair that allows the existing paintwork system to be joined to a new paintwork system.
  - Filling processes* refer to apply filling compounds, which includes smoothing and fairing processes.
  - Job specifications* refer to the standard requirements of the job being undertaken.

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### Outcomes and performance criteria

#### Outcome 1

Describe preparation for the repair of marine paint system defects.

#### Performance criteria

- 1.1 Methods for determining the extent of repair boundaries are described in accordance with repair situations.
- 1.2 Masking and surface protection processes are described in accordance with job specifications and masking tape manufacturer's specifications.

1.3 Surface sanding techniques are described in terms of advantages and disadvantages.

Range techniques – wet, dry sanding, hand, machine sanding.

1.4 Contamination prevention and surface preparation requirements are described in accordance with paint manufacturer's specifications and repair situations.

## Outcome 2

Explain priming, undercoating and filling processes used for marine paint system repairs.

Range evidence of two different repairs is required.

### Performance criteria

2.1 Primer, undercoat, and application method selections are explained in accordance with repair situations and paint manufacturer's specifications.

2.2 Filler type and application method selections are described in accordance with repair situations and manufacturer's specifications.

Range filler type may include – spray fillers, putties, pre-mixed, company formulated.

## Outcome 3

Describe finish coat application methods and feather edge treatment on marine paint system.

### Performance criteria

3.1 Finish coat application methods are described in accordance with repair situations and paint manufacturer's specifications.

3.2 Feather edge treatment of the finish coat is described in terms of surface polishing and blending.

<b>Planned review date</b>	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	15 January 2010	31 December 2020
Review	2	30 August 2018	N/A

<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>.

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**Comments on this unit standard**

Please contact the NZ Marine and Composites ITO [training@nzmarine.com](mailto:training@nzmarine.com) if you wish to suggest changes to the content of this unit standard.