

<b>Title</b>	<b>Cut metal by thermal processes in the marine industry</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	People credited with this unit standard are able to prepare material and equipment for cutting metals and cut metal using thermal processes in the marine industry.
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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 All work practices must meet recognised codes of practice and documented worksite health and safety procedures (where these exceed code) for personal, product, and worksite health and safety, and must meet the obligations required by legislation.
- 2 Learners undertaking assessment against this unit standard are expected to comply with the following legislation and any subsequent amendments –
  - Health and Safety at Work Act 2015
  - Health and Safety in Employment Regulations 1995
  - Resource Management Act 1991
  - Hazardous Substances and New Organism Act 1996.
- 3 Definitions  
*Job specifications* refers to the standard requirements of the job being undertaken.  
*Metal* refers to aluminium alloy, stainless steel, alloy, gold platinum, and titanium.  
*Workplace policies and procedures* refers 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 requirements to eliminate hazard/risk in the workplace.
- 4 Thermal processes used to cut metal for assessment must include at least one of the following: oxy-fuel, plasma, and laser; and must be undertaken in a refit or marine systems engineering environment.

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### Outcomes and performance criteria

#### Outcome 1

Prepare materials, equipment, and machinery for cutting metal in the marine industry.

**Performance criteria**

- 1.1 Materials are selected in accordance with the job specifications and relevant to the marine environment.
- 1.2 Machinery and equipment are prepared in accordance with job specifications and workplace policies and procedures.
- 1.3 Metal is positioned and aligned, ready for cutting in accordance with job specifications.

**Outcome 2**

Cut metal using thermal processes in the marine industry.

**Performance criteria**

- 2.1 Metal is cut in accordance with job specifications and workplace policies and procedures.
- Range evidence of two thermal cuts is required.
- 2.2 Any non-conformance to the job specifications is identified, documented, and corrected in accordance with workplace policies and procedures.

<b>Planned review date</b>	31 December 2021
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	20 April 2017	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>.

**Comments on this unit standard**

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