

Title	Fabricate boat components		
Level	4	Credits	20

Purpose	People credited with this unit standard are able to: explain boat component fabrication processes; prepare resources; and fabricate boat components.
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Classification	Boating Industries > Boatbuilding
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Available grade	Achieved
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Guidance Information

- 1 All work practices must 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 standards 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.
Resources refers to materials, equipment, and machinery.
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.

Outcomes and performance criteria

Outcome 1

Explain boat component fabrication processes.

Performance criteria

- 1.1 Fabrication processes are explained in accordance with workplace policies and procedures.
- 1.2 The principles of cutting and forming metals are explained in terms of the effects on the materials and the finished item.

- 1.3 Machines used in the fabrication process are identified in terms of their application in accordance with workplace policies and procedures.

Range applications may include – grinding, drilling, rolling, folding, sawing, guillotine, press brake, bending.
evidence of three applications is required.

- 1.4 Calculations of bending allowance, cutting clearance, and connection allowance for joining are explained in terms of fabrication process.

Outcome 2

Prepare resources for fabrication of boat components.

Performance criteria

- 2.1 The fabrication process to be used is confirmed against the working drawings and job specifications.
- 2.2 Materials are selected in accordance with the job specifications and relevance to the marine environment.
- 2.3 Equipment and machinery are prepared in accordance with job specifications and workplace policies and procedures.

Outcome 3

Fabricate boat components.

Range evidence of three different boat components is required.

Performance criteria

- 3.1 Boat components are fabricated using fabrication processes and techniques in accordance with job specifications.
- 3.2 Any non-conformance to the job specifications is identified, documented, and corrected in accordance with workplace policies and procedures.

Planned review date	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

Consent and Moderation Requirements (CMR) reference	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 if you wish to suggest changes to the content of this unit standard.