

Title	Build metal boat framework		
Level	3	Credits	20

Purpose	People credited with this unit standard are able to prepare materials and equipment, build metal boat framework, and fair metal boat framework.
----------------	-------------------------------------------------------------------------------------------------------------------------------------------------

Classification	Boating Industries > Boatbuilding
-----------------------	-----------------------------------

Available grade	Achieved
------------------------	----------

Guidance information

- 1 All work practices must meet recognised codes of practice and workplace policies and procedures (where these exceed code) for personal, product, and workplace health and safety, and must meet the obligations required under the Health and Safety at Work Act 2015, Health and Safety in Employment Regulations 1995, and Resource Management Act 1991, and any subsequent amendments.
- 2 Definitions
Build, includes cutting and joining of sub components made up from several parts in preparation for positioning in the main boat structure.
CNC (Computer Numerical Control) refers specifically to a computer machine controller that reads G-code instructions (usually derived from CAD software) that drives the machine tool.
Job specifications refers to the standard requirements of the job being undertaken.
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 policies to manage risk in the workplace.
- 3 Range frames – temporary and permanent; hull, deck, superstructure frames.
- 4 Manufacture of frame components may include CNC machine cut parts or hand cut parts.

Outcomes and performance criteria

Outcome 1

Prepare materials and equipment to build metal boat framework.

Performance criteria

- 1.1 Materials and equipment are prepared in accordance with job specifications.

1.2 Framework components are cut in accordance with job specifications.

Outcome 2

Build metal boat framework.

Range hull frames, deck frames.

Performance criteria

2.1 Framework components are positioned in accordance with job specifications.

2.2 Framework components are secured in accordance with job specifications and workplace policies and procedures.

Range may include – bracing, welding, bolting, riveting, clamping, bonding.

2.3 Built metal boat framework is checked and remedial action is taken if required to ensure job specifications are met.

Outcome 3

Fair metal boat framework.

Range hull, deck.

Performance criteria

3.1 Battens are prepared in accordance with job specifications.

3.2 Metal boat framework is faired and checked, and remedial action is taken if required to ensure job specifications are met.

Planned review date	31 December 2023
----------------------------	------------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	21 November 2008	31 December 2020
Review	2	26 July 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 Industry Training Organisation training@nzmarine.com if you wish to suggest changes to the content of this unit standard.