

Title	Join complex metal boat components		
Level	4	Credits	10

Purpose	People credited with this unit standard are able to prepare, join, and verify joining of complex metal boat components.
----------------	---

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

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

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 Organisms Act 1996.
- 3 **Definition**
Complex metal boat components refers to girders, frames, ribs, soles, bulkheads, plating, superstructures, wheelhouses, and keels.
Job specifications refers to the standard requirements of the job being undertaken.
Workplace policies and procedures refers to the documented procedures and policies and providing guidelines of the tasks and activities carried out in the workplace. This typically includes relevant health and safety policies to eliminate hazard/risk in the workplace.
- 4 **Range**
 components – sheet, plate, tube, pipe, and structural sections.

Outcomes and performance criteria

Outcome 1

Prepare to join metal boat components.

Performance criteria

- 1.1 Metal boat components are prepared in accordance with job specifications.

- 1.2 Joining procedures are established in accordance with job specifications, and workplace policies and procedures.

Range procedures include – joint allowance calculations, joining techniques, joining limitations, potential hazards.

Outcome 2

Join complex metal boat components.

Performance criteria

- 2.1 Complex metal boat components are joined in accordance with job specifications and workplace policies and procedures.
- 2.2 Jigs and fixtures are checked in accordance with job specifications.
- 2.3 Distortion is corrected by mechanical or thermal means to meet job specifications.

Outcome 3

Verify the joining of metal boat components.

Performance criteria

- 3.1 Joined metal boat components are checked and measured in accordance with job specifications and workplace policies and procedures.
- 3.2 Any non-conformance is identified, documented, and corrected in accordance with workplace policies and procedures.

Planned review date	31 December 2021
----------------------------	------------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	7 May 1997	31 December 2018
Revision	2	20 March 2001	31 December 2018
Revision	3	16 April 2004	31 December 2018
Rollover and Revision	4	17 October 2008	31 December 2018
Review	5	20 April 2017	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 NZMAC ITO training@nzmarine.com if you wish to suggest changes to the content of this unit standard.