

Title	Loft full sized decks and superstructures		
Level	4	Credits	6

Purpose	People credited with this unit standard are able to: prepare materials, tools, and equipment for lofting full sized decks and superstructures; produce full sized deck and superstructure drawings; loft deck cambers; and develop deck detail.
----------------	---

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

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

Guidance information

- 1 Assessment against this unit standard must include a flat or curved panel development, such as a raked cabin front, coaming, or other developed detail.
- 2 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, and any subsequent amendments.
- 3 Definitions
Job specifications refers to standard requirements of the job being undertaken.
Datum lines refers to key reference lines used in boat lofting from which measurements are taken.

Outcomes and performance criteria

Outcome 1

Prepare materials, tools, and equipment for lofting full sized decks and superstructures.

Performance criteria

- 1.1 Materials, tools, and equipment are prepared in accordance with job specifications.
- 1.2 Offsets are interpreted to determine datum lines from plans.

Range	datum lines – centre line, water lines, baselines; squareness; dimensional and proportional accuracy; positioning of datum lines.
-------	---

Outcome 2

Produce full sized deck and superstructures drawings.

Performance criteria

- 2.1 Full sized deck and superstructure drawings are produced in accordance with job specifications.
- 2.2 Any incorrect offsets in the drawings are identified and corrected in accordance with job specifications.

Outcome 3

Loft deck cambers.

Range buttocks, sections.

Performance criteria

- 3.1 Deck cambers are lofted in accordance with drawings.
- Range lofting methods – parabola, arc.

Outcome 4

Develop deck detail.

Performance criteria

- 4.1 A deck detail that is not square to the main deck datums is developed in accordance with the drawings and job specifications.
- 4.2 Development grid is constructed correctly in accordance with the drawings.
- 4.3 Offsets are lifted correctly from reference views and detail is developed correctly.
- 4.4 Bevels are correctly lifted from developed lofting detail.
- 4.5 Planking and core thickness deductions are demonstrated correctly.

Replacement information	This unit standard replaced unit standard 10839 and unit standard 10840.
--------------------------------	--

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	27 October 2006	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.