

Title	Launch and retrieve boats using mechanical lifting gear		
Level	4	Credits	5

Purpose	<p>People credited with this unit standard are able to prepare boats for mechanical lifting, and land and lift boats from containment systems.</p> <p>This unit standard is applicable to all sectors of the boating industry.</p>
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Classification	Boating Industries > Marine Sales and Services
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Available grade	Achieved
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Guidance Information

- 1 Definition
Company procedures – the documented procedures for the equipment and/or worksite.
- 2 This unit standard does not cover the operation of the mechanical lifting equipment itself.
- 3 Evidence of the elements of this unit standard must be presented across the following contexts:
 - a boats may include – boats constructed of wood, fibre-reinforced plastic, steel, aluminium, ferro cement.
 - b situations may include – boats being lifted between the water and the hard standing, and between points on the hard standing.
 - c lifting equipment may include – cranes, travel lifts, forklifts, and overhead gantries.
- 4 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 under the Health and Safety at Work Act 2015 and Resource Management Act 1991, and any subsequent amendments.
- 5 Assessment evidence for this unit standard must include evidence of underpinning knowledge and understanding of boat construction.

Outcomes and performance criteria

Outcome 1

Prepare boats for mechanical lifting.

Performance criteria

1.1 Adjustment of boat weight prior to lifting matches the capacity of the lifting equipment.

Range removal of equipment, fittings, excess ballast.

1.2 Selection of lifting points enables the boat to be trimmed to task requirements, prevents damage to the boat and associated equipment and facilities, and prevents injury to people.

Range boat damage – permanent structural weakening or distortion, superficial damage.

1.3 Additional strengthening and support for the hull and appendages are provided to prevent damage and injury.

1.4 Lifting strops are positioned to the requirements of the lifting equipment operator.

Outcome 2

Land and lift boats from containment systems.

Range containment systems – cradles, trailers.

Performance criteria

2.1 The lifted boat is positioned over the trailer to prevent damage on landing and/or subsequent re-lifting.

2.2 Landing and lifting are monitored visually and aurally so that contingency action can be taken before damage or injury can occur.

Range contingency actions – stop lift, re-lift, provide additional or alternative containment system.

2.3 Alignment of boat on containment system matches requirements for task accessibility.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	7 May 1997	31 December 2022
Revision	2	21 March 2001	31 December 2022
Revision	3	16 April 2004	31 December 2022
Rollover	4	20 March 2009	31 December 2022
Rollover and Revision	5	31 May 2018	31 December 2022
Review	6	24 September 2020	31 December 2022

Consent and Moderation Requirements (CMR) reference

0136

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.