

Title	Act as pilot launch crew within harbour limits		
Level	2	Credits	5

Purpose	People credited with this unit standard are able to: use pilot launch equipment and systems; assess pilot ladder rigging to ensure safe transfer of personnel; assist in the transfer of personnel and property to and from a vessel; assist in pre- and post-operational duties; perform bridge duties; and conduct man overboard procedures.
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Classification	Stevedoring and Ports Industry > Vessels' Port Operations
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Available grade	Achieved
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Guidance Information

- Legislative and regulatory requirements relevant to this unit standard include –
Health and Safety at Work Act 2015;
Maritime Transport Act 1994;
International Convention on Standards of Training Certification and Watchkeeping, available at [International Convention on Standards of Training, Certification and Watchkeeping for Seafarers, 1978 \(imo.org\)](https://www.imo.org/About/Conventions/Conventions%20and%20Agreements/Articles/Articles.aspx?id=1000);
Maritime Safety Authority Maritime Rules – Parts 22, 40 (A,B,C,D), 43, 53, available at <https://www.maritimenz.govt.nz/>;
Approved Code of Practice for Health and Safety in Port Operations, available at [Health and safety in port operations | WorkSafe](https://www.worksafe.govt.nz/Health-and-safety-in-port-operations);
New Zealand Port and Harbour Marine Safety Code, available at [New Zealand Port and Harbour Marine Safety Code - Maritime NZ](https://www.maritimenz.govt.nz/Port-and-Harbour-Marine-Safety-Code);
and local harbour bylaws.
- Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.
- Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with company requirements, legislative requirements and regulatory requirements.
- Definitions
Company requirements refer to instructions to staff on policy and procedures that are available in the workplace. These requirements may include – company policies and procedures, work instructions and legislative requirements.
Regulatory requirements refer to regulations set by but not limited to the New Zealand Customs Service, Ministry for Primary Industries and WorkSafe New Zealand.

Outcomes and performance criteria

Outcome 1

Use pilot launch equipment and systems.

Performance criteria

1.1 Launch equipment and systems are used.

Range safety gear, on-board and personal life saving apparatus (LSA), bilge pumping, fire-fighting equipment and systems, alarm systems, escape systems, anchor or anchors, towage gear and special lighting, weather deck openings.

1.2 Radio equipment is operated in accordance with the operator's licence applicable to the equipment.

Range Maritime Rules Parts 40 A, B, C, and D; Maritime Rules Part 43.

Outcome 2

Assess pilot ladder rigging to ensure safe transfer of personnel.

Range personnel includes – pilots, shore staff, ship's crew.

Performance criteria

2.1 Pilot ladder rigging is assessed for safety to a standard specified in the Maritime Rules Part 53.

2.2 Deficiencies in pilot ladder rigging are immediately reported to the person who is to use the ladder and to the launch master.

Outcome 3

Assist in the transfer of personnel and property to and from a vessel.

Performance criteria

3.1 Personnel are briefed prior to transfer.

3.2 Personnel are assisted in donning personal protective equipment, where required.

3.3 Personnel are monitored and assisted as required to ensure they are secure during transfer from launch to and from pilot ladder.

3.4 Personnel are alerted to optimal time and position to effect safe transfer between launch and pilot ladder without injury.

- 3.5 Property is transferred using optimal time, position, and method without endangering personnel, property being transferred, or vessels involved in the transfer.

Outcome 4

Assist in pre- and post-operational duties.

Performance criteria

- 4.1 Cast-off procedures are carried out.

Range checking and preparing personal safety equipment and safety and man overboard gear, open-up routines, removal of ship to shore services, casting off moorings.

- 4.2 Post-operational procedures are carried out.

Range mooring, stowage of fenders where fitted, connection of launch to shore services, shut down routines.

Outcome 5

Perform bridge duties.

Performance criteria

- 5.1 Any navigational hazards are identified and their presence is immediately notified to the launch master.

Range identification methods – sight, sound; may include – electronic means.

- 5.2 Vessel is steered in free-running mode.

Range on one's own, under command.

Outcome 6

Conduct man overboard procedures.

Range evidence may be from an actual and/or simulated situation or situations.

Performance criteria

- 6.1 Initial actions to be taken are carried out.

- 6.2 Retrieval equipment is prepared, deployed, and used to recover a person in the water as instructed by the launch master.

6.3 Personnel are extracted from the water in a manner which maximises their chances of survival.

6.4 Recovered personnel are assessed and given first aid as required.

Planned review date	31 December 2024
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 November 1997	31 December 2023
Revision	2	23 April 1999	31 December 2023
Revision	3	10 April 2000	31 December 2023
Review	4	28 June 2005	31 December 2023
Rollover and Revision	5	18 September 2009	31 December 2023
Rollover and Revision	6	17 September 2015	31 December 2023
Review	7	24 February 2022	N/A

Consent and Moderation Requirements (CMR) reference	0014
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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 Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council qualifications@hangaarorau.nz if you wish to suggest changes to the content of this unit standard.