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| Title | Operate heavy port machinery | | |
| Level | 3 | Credits | 30 |

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| Purpose | People credited with this unit standard are able to start up, operate, shut down and demonstrate operator maintenance checks, for heavy port machinery. |
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| Classification | Stevedoring and Ports Industry > Port Machinery Operations |
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| Available grade | Achieved |
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Guidance Information

- 1 Legislative and regulatory requirements relevant to this unit standard include – Health and Safety at Work Act 2015;
Approved Code of Practice for Health and Safety in Port Operations, available at <https://www.worksafe.govt.nz/>;
New Zealand Port and Harbour Marine Safety Code, available at [New Zealand Port and Harbour Marine Safety Code - Maritime NZ](#);
General Harbour (Ship, Cargo, and Dock Safety) Regulations 1968, available at http://www.nzlii.org/nz/legis/num_reg/ghcadsr1968463/;
International Maritime Dangerous Goods Code, available at <http://www.imo.org>;
Part 24a Maritime Rule, *Carriage of Cargoes – Dangerous Goods*, available at <https://www.maritimenz.govt.nz/rules/all-rules/maritime-rules-part-24a/>;
local port bylaws.
- 2 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.
- 3 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.
- 4 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.

- 5 Range
This standard is for heavy port machinery that exceeds 10 tonne working load capacity.
Evidence is required for three machines of a different make or model.
- 6 Competence in this standard is not a licence to operate. Machine specific licencing and induction is required.
- 7 It is recommended that people hold credit for Unit 28902, *Demonstrate knowledge of faults and the preparation required to operate heavy port machinery*; and Unit 28903, *Demonstrate knowledge of the safe operation of heavy port machinery*, before being assessed against this unit standard.

Outcomes and performance criteria

Outcome 1

Start up heavy port machinery.

Performance criteria

- 1.1 The machine control position is entered.
- 1.2 Machine is started.
- 1.3 Gauges and warning symbols are checked during warm-up.
- 1.4 Controls are tested as functioning before being operated.

Outcome 2

Operate heavy port machinery.

Performance criteria

- 2.1 A visual check of the immediate area is carried out before commencing any operations.
- 2.2 Gauges and warning devices are monitored and any corrective action taken.
- 2.3 Machine is operated.
- 2.4 Operational communication with other personnel is maintained.

Outcome 3

Shut down heavy port machinery.

Performance criteria

- 3.1 Machinery is placed in a safe position in preparation for shut down.

3.2 Machinery is shut down.

3.3 Power source is shut down and isolated or secured.

Outcome 4

Demonstrate operator maintenance checks for heavy port machinery.

Performance criteria

4.1 Machinery operator maintenance checks are carried out and reporting requirements are followed in accordance with company policies and procedures.

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| 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 | 17 September 2015 | 31 December 2019 |
| Review | 2 | 18 May 2017 | 31 December 2024 |
| Review | 3 | 24 February 2022 | N/A |
| Revision | 4 | 30 November 2023 | N/A |

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| 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.