

Title	Operate a straddle carrier		
Level	3	Credits	6

Purpose	People credited with this unit standard are able to: describe factors affecting the operation of a straddle carrier; prepare for straddle carrier operations; move loads with a straddle carrier; and shut down a straddle carrier and report any defects.
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Classification	Stevedoring and Ports Industry > Port Machinery Operations
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Available grade	Achieved
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Entry information	
Critical health and safety prerequisites	Open.

Explanatory notes

- 1 Compliance requirements include but are not limited to - Health and Safety in Employment Act 1992, General Harbour (Safe Working Load) Regulations 1982, Summary Offences Act 1981, and General Harbour (Ship, Cargo, and Dock Safety) Regulations 1968.
- 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 **Definitions**
Company policies and procedures refers to relevant workplace documents which are current and accessible to candidates, trainers, and assessors, and which comply with legal requirements.
Hazards refers to situations and conditions presenting actual or potential risk including but not limited to - risk of harm to persons and/or environment, risk of damage to property and/or process, and exposure to financial loss.
- 4 Personal protective equipment must be used throughout operations in accordance with company policies and procedures.

Outcomes and evidence requirements

Outcome 1

Describe factors affecting the operation of a straddle carrier.

Evidence requirements

- 1.1 Description identifies a straddle carrier's controls and their functions.
- 1.2 Description explains how factors combine to affect a straddle carrier's stability when moving.
- Range centre of gravity (high, low), speed, change of direction, braking.
- 1.3 Description identifies and explains factors that impact on the safe speed and manoeuvring of straddle carriers.
- Range includes but is not limited to - surface, weather, visibility, obstructions, other area users, straddle carrier capabilities, load, speed limits.
- 1.4 Description includes company procedures to be followed when a breakdown occurs and when an emergency occurs.
- 1.5 Description includes the company radio channel allocations for working, emergency, and others that may apply.
- 1.6 Description includes agreed hand signals for crane operations, and identifies procedure to be followed if a hand signal is not clear or understood.
- Range lift, lower, side shift left, side shift right, travel forward, travel back.
- 1.7 Description includes terminal layout and yard slot positions and heights.

Outcome 2

Prepare for straddle carrier operations.

Evidence requirements

- 2.1 Pre-driving checks are completed in accordance with company policies and procedures.
- Range includes but is not limited to - visual ground exterior checks of machine, wearing of correct personal protective equipment.
- 2.2 Start up procedures are completed in accordance with manufacturer's instructions.
- 2.3 Where required, communications are established with control centre before straddle carrier is moved, in accordance with company policies and procedures.

Range radio and/or radio data transfer (RDT) equipment.

2.4 Work area hazards are identified before operations start.

2.5 Where required, straddle carrier is fitted with additional equipment for the type of container or cargo to be moved.

Range equipment includes - wires, chains, over height frames, strops.

Outcome 3

Move loads with a straddle carrier.

Range includes but is not limited to - ISO container, non-ISO container, out-of-gauge (OOG), break bulk.

Evidence requirements

3.1 Communication hand signals are agreed as required during operations, consistent with company policy and procedures.

3.2 Loads are picked up from, moved to, and set down in designated positions without damage to the straddle carrier, the loads, adjacent facilities, and equipment, or harm to personnel, and in accordance with company policies and procedures.

3.3 Load details and movement data are received and acknowledged and are sent using radio data transfer (RDT) equipment or U/VHF radio, in accordance with company policies and procedures.

3.4 Hazards are reported in accordance with company policies and procedures.

Outcome 4

Shut down a straddle carrier and report any defects.

Evidence requirements

4.1 Prior to shut down, straddle carrier is parked in the designated area.

4.2 Straddle carrier is shut down in accordance with manufacturer's specifications and in accordance with company policies and procedures.

4.3 Any straddle carrier defects are reported in accordance with company policies and procedures.

Planned review date	31 December 2020
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 October 1999	N/A
Revision	2	10 April 2000	N/A
Review	3	26 July 2003	N/A
Rollover and Revision	4	17 September 2015	N/A

Consent and Moderation Requirements (CMR) reference	0145
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact the SSB ssb@email.address if you wish to suggest changes to the content of this unit standard.