

<b>Title</b>	<b>Secure break bulk cargoes</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	People credited with this unit standard are able to: describe factors bearing on the securing of break bulk cargoes; and secure break bulk cargoes.
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<b>Classification</b>	Stevedoring and Ports Industry > Cargo Operations
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<b>Available grade</b>	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 [Health and safety in port operations | WorkSafe](#);  
*Approved Code of Practice for Safety and Health in Forest Operations*, available at [Approved Code of Practice for Safety and Health in Forest Operations | WorkSafe](#).
- 2 Any new, amended or replacement Acts, regulations, Rules, standards, or codes of practice 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  
*Break bulk cargoes* exclude bulk liquids, ISO type containers, and dry bulk cargoes such as woodchips, fertiliser, and coal.  
*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.  
*Damage noticed* refers to damage that is clearly detectable and is significant enough, in terms of company policies and procedures, to report. Such damage may not necessarily have occurred during the current operation and/or be caused by the candidate.  
*Regulatory requirements* refer to regulations set by but not limited to the New Zealand Customs Service, Ministry for Primary Industries and WorkSafe New Zealand.

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## Outcomes and performance criteria

### Outcome 1

Describe factors bearing on the securing of break bulk cargoes.

#### Performance criteria

- 1.1 Factors that need to be considered when securing break bulk cargoes are described.
- Range restriction of cargo movement, avoiding damage, self-securing stowage, strapping together to create immovable mass, access to retighten securing devices at sea, ship's requirements and stowage plans, instructions from person in charge.
- 1.2 Hazards associated with securing break bulk cargoes, and controls for the hazards are described.
- Range hazards include – machinery, cutting and securing equipment and processes, tension in securing devices, obstructions, confined space, height, noise.
- 1.3 Securing devices, materials, and equipment, and their uses are described.
- Range steel straps, chains, wires, web strapping, turnbuckles, dunnage, airbags, wire clamps, wire and strap cutters, chainsaw, handsaw, hammer, airgun, crimps, corner protectors.

### Outcome 2

Secure break bulk cargoes.

#### Performance criteria

- 2.1 Cargo is positioned to maximise self-securing within the constraints of the stowage plan, ship's requirements and, where applicable, instructions of the person in charge.
- 2.2 Securing of cargo under tension is carried out in a way that is fit for purpose, avoids damage to cargoes and ship, utilises anchor points where available, and allows for crew to re-tension at sea where possible.
- Range steel straps, chains, wires, web strapping.
- 2.3 Packing and tomming are checked to be applied to cargo.
- Range packing – dunnage, airbags;  
tomming – self-wedging, strong and secure, fixed to ship where allowable.

- 2.4 Cargoes are secured as required by the ship and, where applicable, instructions of the person in charge.
- 2.5 Coordination and communication with personnel are maintained throughout operations.

<b>Planned review date</b>	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	31 July 2003	31 December 2023
Review	2	23 April 2007	31 December 2023
Rollover and Revision	3	17 September 2015	31 December 2023
Review	4	24 February 2022	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	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](mailto:qualifications@hangaarorau.nz) if you wish to suggest changes to the content of this unit standard.