

Title	Secure break bulk cargoes		
Level	3	Credits	4

Purpose	People credited with this unit standard are able to: describe factors bearing on the securing of break bulk cargoes; secure break bulk cargoes; and report damage noticed during operations.
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Classification	Stevedoring and Ports Industry > Cargo Operations
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Available grade	Achieved
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Entry information	
Critical health and safety prerequisites	Open.

Explanatory notes

- 1 Legislation and formal requirements relevant to this unit standard include:
Health and Safety in Employment Act 1992;
Approved Code of Practice for Health and Safety in Port Operations available at <http://www.business.govt.nz/worksafe/information-guidance/all-guidance-items/port-operations-code-of-practice-for-health-and-safety-in;>
Approved Code of Practice for Safety and Health in Forest Operations (Wellington: Occupational Safety and Health Service, Department of Labour, 1999) available at <http://www.business.govt.nz/worksafe/information-guidance/all-guidance-items/acop-forest-operations>. The references relevant to this unit standard cover chainsaw use.
- 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 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.
Break bulk cargoes exclude bulk liquids, ISO type containers, and dry bulk cargoes such as woodchips, fertiliser, and coal.
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.
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.

- 4 Personal protective equipment must be used throughout operations in accordance with company policies and procedures.

Outcomes and evidence requirements

Outcome 1

Describe factors bearing on the securing of break bulk cargoes.

Evidence requirements

- 1.1 Description explains factors that need to be considered when securing break bulk cargoes.
- 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 Description outlines hazards associated with securing break bulk cargoes, and identifies controls for the hazards that are in accordance with company policies and procedures.
- Range hazards include but are not limited to – machinery, cutting and securing equipment and processes, tension in securing devices, obstructions, confined space, height, noise.
- 1.3 Description identifies securing devices, materials, and equipment, and their uses.
- Range includes but is not limited to – 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.

Evidence requirements

- 2.1 Positioning of cargo maximises self-securing within the constraints of the stowage plan, ship's requirements and, where applicable, instructions of the person in charge.
- 2.2 Securing under tension 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 fit for purpose, and avoid damage to cargoes and ship.

Range packing – dunnage, airbags;
tommings – 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 in accordance with company policies and procedures.

2.6 Operations are carried out in a safe and efficient manner, without risk of harm to personnel.

Outcome 3

Report damage noticed during operations.

Evidence requirements

3.1 The person in charge is immediately advised of the damage in accordance with company policies and procedures.

Range may include but is not limited to – cargo, vessel, machinery, equipment.

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	31 July 2003	N/A
Review	2	23 April 2007	N/A
Rollover and Revision	3	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.