



Australian Government

Department of Education, Employment and Workplace Relations

RIIHAN205A Secure cargo

Release: 1

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Modification History

Not applicable.

Unit Descriptor

This unit covers securing cargo in the resources and infrastructure industries. It includes preparing to secure cargo/containers, lashing and unlash cargo, protecting cargo from weather, packing and unpacking cargo. Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between states, territories, and industry sectors. Relevant information must be sourced prior to application of the unit.

Application of the Unit

This unit is appropriate for those working in an operational role at worksites within:

- Civil construction
- Coal mining
- Drilling
- Extractive industries
- Metalliferous mining

Licensing/Regulatory Information

Refer to Unit Descriptor.

Pre-Requisites

Not applicable.

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Prepare to secure cargo/containers	1.1. Access, interpret and apply compliance documentation relevant to the work activity 1.2. Prepare and maintain work area 1.3. Report unsafe work practices and/or equipment to appropriate personnel 1.4. Select personal protective equipment appropriate for work activities 1.5. Erect formwork where no lashing points exist 1.6. Read and interpret lashing plan
2. Lash and unlash cargo	2.1. Conduct work according to site procedures and relevant legislation and any special requirements of the cargo 2.2. Identify lashing points and use appropriate fittings, lashing equipment and securing equipment for each lashing point 2.3. Lash and secure cargo to lashing points ensuring the correct spread of lashings and that lashings are secured, attached and tensioned 2.4. Securely fasten tensioners 2.5. When unlash, release, disconnect and remove fittings from the cargo 2.6. Place lashing equipment in designated storage areas or clear from work area 2.7. Ensure lashing/unlashing operations cause no injury to personnel or damage to machinery or cargo
3. Protect cargo from weather	3.1. Cover/uncover cargo safely ensuring appropriate covering and lashing, no injury to personnel or damage to cargo or equipment 3.2. Conduct work in accordance with the requirements of national standards, safety codes and site operating procedures
4. Pack and unpack cargo	4.1. Identify and report damaged cargo following enterprise procedures 4.2. Sort and stack cargo prior to packing or after unpacking ensuring the stack is in the correct location, in accordance with

	relevant Australian standards, safety codes and site operating procedures 4.3. Identify cargo through the interpretation of marks or numbers 4.4. Maintain tight stow of cargo 4.5. Handle cargo ensuring no injury to personnel or damage to cargo or equipment
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Required Skills and Knowledge

This section describes the skills and knowledge required for this unit.

Required skills

Specific skills are required to achieve the Performance Criteria of this unit, particularly for its application in the various circumstances in which this unit may be used. This includes the ability to carry out the following as required to secure cargo:

- apply legislative, organisation and site requirements and procedures for securing cargo
- establish plans
- describe consequences
- complete tasks
- identify improvements
- apply safety precautions relevant to the task
- assess operational capability of equipment used and work processes selected

Required knowledge

Specific knowledge is required to achieve the Performance Criteria of this unit, particularly for its application in the various circumstances in which this unit may be used. This includes knowledge of the following as required to secure cargo:

- site layout and operating procedures
- focus of operation of work systems, equipment, management and site operating systems
- impact of job on enterprise and individual performance
- application of relevant industrial requirements
- relevant bond, quarantine or other legislative requirements
- identification and correct use of equipment, processes and procedures used within context of the job
- modification of activities dependant of differing workplace contexts, risk situations and environments
- identification of cargo, container and goods, coding IMDG markings and, where applicable, emergency information panels
- relevant bond, quarantine other legislative requirements
- identification and correct use of equipment, processes and procedures
- relevant handling and safety codes
- lashing and protection procedures
- marking and numbering of cargo
- use of the lashing and protection equipment
- receiving knowledge and sending messages with communications equipment whilst operating other equipment
- relevant regulations such as Hazchem and Australian Dangerous Goods

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	The evidence required to demonstrate competency in this unit must be relevant to worksite operations and satisfy all of the requirements of the performance criteria, required skills and knowledge and the range statement of this unit and include evidence of the following: • knowledge of the requirements, procedures and instructions for securing cargo • implementation of requirements, procedures and techniques for the safe, effective and efficient completion of securing cargo • working with others to undertake and complete the securing of cargo that meet all of the required outcomes • consistent timely completion of securing cargo that safely, effectively and efficiently meet the required outcomes
Context of and specific resources for assessment	• This unit must be assessed in the context of the work environment. Where personal safety or environmental damage are limiting factors, assessment may occur in a simulated environment provided it is realistic and sufficiently rigorous to cover all aspects of workplace performance, including task skills, task management skills, contingency management skills and job role environment skills. • Assessment of this competency requires typical resources normally used in a resources and infrastructure sector environment. Selection and use of resources for particular worksites may differ due to the site circumstances. • The assessment environment should not disadvantage the participant. For example, language, literacy and numeracy demands of assessment should not be greater than those required on the job. • Customisation of assessment and delivery environment should sensitively accommodate

	cultural diversity. • Aboriginal people and other people from a non English speaking background may have second language issues. • Where applicable, physical resources should include equipment modified for people with disabilities. Access must be provided to appropriate learning and/or assessment support when required.
Method of assessment	This unit may be assessed in a holistic way with other units of competency. The assessment strategy for this unit must verify required knowledge and skill and practical application using more than one of the following assessment methods: • written and/or oral assessment of the candidate's required knowledge • observed, documented and/or first hand testimonial evidence of the candidate's: • implementation of appropriate requirements, procedures and techniques for the safe, effective and efficient achievement of required outcomes • consistent achievement of required outcomes • first hand testimonial evidence of the candidate's: • working with others to undertake and complete the securing of cargo
Guidance information for assessment	Consult the SkillsDMC User Guide for further information on assessment including access and equity issues.

Range Statement

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

Compliance documentation may include:

- legislative, organisation and site requirements, including:
 - worksite safety and health
 - mine inspection
 - OHS
 - explosives
- manufacturer's guidelines and specifications
- Australian standards
- procedures may include:
 - hazard policies and procedures including relevant code of practice
 - issue resolution and procedures
 - job procedures and work instructions
 - relevant guidelines relating to the use of machinery and equipment capability and limitations, tagging of unserviceable or damaged items
 - quality procedures (where existing)
 - security procedures
 - follow enterprise housekeeping processes
 - waste, pollution and recycling management processes
 - action taken promptly, accidents and incidents reported in accordance with statutory requirements and enterprise procedures
 - recognising and adapting appropriately to cultural differences in the workplace, including modes of behaviour and interactions among staff and others
 - ensuring work completed systematically with attention to detail without damage to goods, equipment or personnel
- Employment and workplace relations legislation

	• Equal Employment Opportunity and Disability Discrimination legislation
Work area may include:	• work is performed under some supervision, generally within a team environment • customers may be internal or external • enterprises may comprise large, medium or small worksites • work may be undertaken in various work environments • cables used in the slinging of cargo include, natural fibre ropes, synthetic fibre ropes and chains
Lashing equipment may include:	• twistlocks • pelican hooks • lashing rods (bars) • turn handles (keys) • bottle screws • bridging clamps • cones
Securing equipment may include:	• chocks • racks • lashings • ropes • chains
Appropriate covering may include:	• rain covers • dust covers

Unit Sector(s)

Load Handling

Competency field

Refer to Unit Sector(s).

Co-requisite units

Not applicable.