



Australian Government

Department of Education, Employment and Workplace Relations

RIIPEO203B Conduct stacker operations

Release: 1

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Modification History

Not applicable.

Unit Descriptor

This unit covers the conduct of stacker operations in the metalliferous and coal mining industries. It includes planning and preparing for stacker operations, operating the stacker, and carrying out operator maintenance.

Application of the Unit

This unit is appropriate for those working in operational roles, at worksites within:

- Metalliferous mining
- Coal 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. Plan and prepare for stacker operations	1.1. Access, interpret and apply compliance documentation relevant to the conducting of stacker operations 1.2. Obtain, interpret and clarify/confirm work requirements and shift details before proceeding 1.3. Access, interpret and apply information on stockpile product, formation and conditions required to complete the allocated work 1.4. Carry out worksite inspection and rectify or report hazards or other notifiable conditions 1.5. Access and apply safety information and procedures throughout the work
2. Operate stacker	2.1. Coordinate activities with others at the site prior to commencement of, and during, the work activity 2.2. Carry out pre-start, start-up, park-up and shutdown procedures 2.3. Operate controls to stack materials 2.4. Act on monitoring systems and alarms or report 2.5. Recognise and respond to hazardous and emergency situations 2.6. Complete work in accordance with the agreed plan and outcomes and within the operating capacities of the allocated equipment 2.7. Carry out reporting and complete and process documents
3. Carry out operator maintenance	3.1. Carry out plant and equipment inspections and faultfinding 3.2. Carry out routine operational servicing, lubrication and housekeeping tasks 3.3. Carry out minor maintenance to manufacturer's instructions and site requirements 3.4. Provide operator support during preparation for, and conduct of, major maintenance tasks

	3.5. Inspect and test structures and components for fault conditions, wear and need of repair or replacement 3.6. Process maintenance records
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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 in this unit, particularly for the application in the various circumstances in which this unit may be applied. This includes the ability to carry out the following as required to conduct stacker operations:

- apply legislative, organisation and site requirements and procedures
- access, interpret and apply technical information
- apply diagnostic techniques
- apply equipment hose down procedures
- apply procedures for preparation and communication of reports
- apply procedures for complying with environmental requirements
- apply procedures for disposal of environmentally sensitive fluids and materials
- apply records maintenance requirements
- apply procedures for working at heights

Required knowledge

Specific knowledge is required to achieve the performance criteria of this unit, particularly its application in a variety of circumstances in which the unit may be used. This includes knowledge of the following as required to conduct stacker operations:

- site and equipment safety requirements and procedures
- stockpile management processes
- stacker characteristics, technical capabilities and limitations
- stacker maintenance procedures/stacker operating procedures
- ore / coal type and quality
- blending specifications and techniques
- environmental requirements and constraints related to stacker operations
- recording and reporting processes
- impact of stacker operations on customer quality requirements

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 conducting stacker operations
- implementation of requirements, procedures and techniques for the safe, effective and efficient completion of stacker operations
- working with others to undertake and complete stacker operations that meets all of the required outcomes
- consistent timely completion of stacker operations that safely, effectively and efficiently meets 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.
- 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 to sensitively accommodate cultural diversity.
- Aboriginal people and other people from a non English speaking background may have second language issues.

	• Assessment of this competency requires typical resources normally used in the work environment. Selection and use of resources for particular worksites may differ due to site circumstances. • 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 requirement, procedures and techniques for the safe, effective and efficient achievement of required outcomes • consistently achieving the required outcomes • first hand testimonial evidence of the candidate's: • working with others to undertake and complete stacker operations
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.

Relevant compliance documentation may include:	• legislative, organisation and site requirements and procedures • manufacturer's guidelines and specifications • Australian standards • code of practice • Employment and Workplace Relations legislation • Equal Employment Opportunity and Disability Discrimination legislation
Work requirements may include:	• work plans • shift briefings • handover details • work orders
Shift details may include:	• nature and scope of the work • working conditions • production targets • defects on equipment • hazards and potential hazards • coordination requirements/issues
Stockpile product, formation and conditions may include:	• stockpile residue • stockpile design and position • safety factors relating to natural falls • grades • levels • slips • drainage
Safety information and procedures may include:	• site-specific safety processes and documentation such as JSAs
Coordinate may include:	• communication with process control, maintenance, supervision, logistics scheduler, mobile operators, contractors etc • monitoring operation of stacker ensuring that it does not collide with other equipment
Hazardous and emergency	• sinking

situations may include:	• stockpile stabilisation • wet weather operation or severe storms • electrical start-up and shutdown • electrical fires • windy and dusty conditions • chute cleaning • working in close proximity to moving equipment and parts
Reporting may include:	• computer reports • accident/incident reports • pre-start equipment reports/defect reports • tags • work orders

Unit Sector(s)

Plant and Equipment Operation

Competency field

Refer to Unit Sector(s).

Co-requisite units

Not applicable.