



Australian Government

Department of Education, Employment and Workplace Relations

RIIMPO204A Conduct conveyor shifting dozer operations

Release: 1

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Modification History

Not applicable.

Unit Descriptor

This unit covers conducting conveyor shifting dozer operations in the coal mining industry. It includes: planning and preparing for conveyor shift; operating dozer to shift conveyor; and parking and shutting down the dozer.

Application of the Unit

This unit is appropriate for those working in a mobile plant operator roles, within:

- 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 conveyor shift	1.1. Access, interpret and apply compliance documentation relevant to conveyor shifting dozer operations 1.2. Receive, interpret and clarify briefings or handover details 1.3. Select and inspect equipment in accordance with job and safety requirements 1.4. Interpret and apply geological conditions and survey data required to complete the shift 1.5. Inspect conveyor system for condition and report potential issues 1.6. Observe safety rules and regulations
2. Operate dozer to shift conveyor	2.1. Carry out machine pre-start checks, start-up, park and shutdown procedures 2.2. Fit relevant attachments to dozer, including roller heads, ropes and shackles 2.3. Attach dozer rollers to conveyor rails, carry out rail warm ups 2.4. Shift conveyor singularly and/or with other machines in small passes 2.5. Operate dozer controls and manoeuvres smoothly to avoid damage to rail, fish plates, conveyor frames and pipelines 2.6. Conduct towing, winching and pushing 2.7. Conduct final alignment in accordance with survey markers and within site tolerances 2.8. Adjust operating techniques in extreme conditions to ensure safety of plant and personnel, and take necessary hazard control measures 2.9. Use and interpret hand signals and radio communications 2.10. Disconnect dozer attachments from conveyor 2.11. Complete work and report any damage

3. Park and shutdown dozer	3.1.Park, shutdown, inspect and clean dozer 3.2.Remove and inspect for serviceability and damage and store attachments 3.3.Complete logs and reporting requirements
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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 conveyor shifting dozer operations:

- apply legislative, organisation and site requirements and procedures
- apply dozer operating skills
- apply operational safety requirements
- access, interpret and apply technical information
- apply equipment records maintenance requirements
- apply hand-eye coordination
- use relevant hand tools
- apply diagnostic techniques
- apply environmental requirements

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 conveyor shifting dozer operations:

- legislative and regulatory requirements related to this competency
- site and equipment safety requirements and procedures
- scope and limitations of operations related to this competency
- site conveyor systems and relocation coordination requirements
- relevant conveyor system and equipment characteristics, technical capabilities and limitations
- mine site geological conditions and survey data
- fire suppression, fire alert and disaster plan procedures

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 conveyor shifting dozer operations • implementation of requirements, procedures and techniques for the safe, effective and efficient completion of conveyor shifting dozer operations • working with others to undertake and complete conveyor shifting dozer operations that meets all of the required outcomes • consistent timely completion of conveyor shifting dozer 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 the conveyor shifting dozer 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 • codes of practice • Employment and workplace relations legislation • Equal Employment Opportunity and Disability Discrimination legislation
Shift conveyor includes:	• constant monitoring for damage to rail and fish plates • maintaining communication with other machines and conveyor shift supervisor
Conveyor systems may vary in:	• distance • number of sections • transfer stations • shuttles
Operations may be conducted in all weather conditions, including extreme conditions by day or night and may include:	• hot and dusty • heavy rain/flood • fog and high wind
Briefings or handover details may include:	• conveyor shifting plan and program • work coordination requirements • worksite and formation inspection • location of potential hazards • permit and access requirements
Equipment may include:	• roller head attachments • slings and shackles • winch rope • towbar pin • track dozers • rigging equipment • specialist roller heads • hand and power tools

	• spare parts • lubricants • cleaning products
Safety requirements may include:	• access and permit procedures • working in vicinity of other machines and other personnel
Conditions may include:	• stress relief • cracking • fire holes • aquifers • compacted coal • overburden
Survey data may include:	• mine site plans • survey belt centreline • offsets • survey marks
Inspect conveyor system may include:	• fish plates • rails and sleepers • towing and/or pushing points • frame braces
Safety rules and regulations may be contained in:	• legislation and regulations • relevant Australian standards • management plans • manager's rules • OHS Policy • code of practice • manufacturer's manuals and instructions • safe working or job procedures • training resources
Relevant attachments may include:	• roller heads • ropes • shackles • winch • tow
Hazards may include:	• power lines • overhead service lines • obstructions • structures • other equipment/vehicles • dangerous material • formation/earthworks/batters

	• underground services • water
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Unit Sector(s)

Mobile Plant Operations

Competency field

Refer to Unit Sector(s).

Co-requisite units

Not applicable.