



Australian Government

Department of Education, Employment and Workplace Relations

RIIPEO207A Coordinate conveyor system shift

Release: 1

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Modification History

Not applicable.

Unit Descriptor

This unit covers the coordinating of conveyor system shift in coal mining. It includes the planning, preparing and setting up for conveyor shift, coordinating and monitoring the conveyor shift and testing and returning the conveyor to service.

Application of the Unit

This unit is appropriate for those working in operational roles, at worksites 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 the coordinating of conveyor system shift 1.2. Receive, interpret and clarify briefings and survey plans 1.3. Carry out site inspection to determine the preparation requirements 1.4. Develop detailed conveyor shift plan 1.5. Identify and plan resources according to the conveyor shift requirements and site/mine procedures 1.6. Organise and brief relevant personnel on plan, timing, tasks and resolve coordination issues according to conveyor shift requirements and site/mine procedures
2. Set up for conveyor shift	2.1. Complete ground preparation works according to conveyor shift requirements and site/mine procedures 2.2. Coordinate relocation of fire service pipes 2.3. Coordinate minor maintenance 2.4. Coordinate setting and preparation of anchoring equipment/posts 2.5. Follow plans and ensure the issue of appropriate permits to isolate plant 2.6. Coordinate release of conveyor belt tension
3. Coordinate and monitor conveyor shift	3.1. Acquire appropriate resources both personnel and equipment 3.2. Prepare and or/relocate according to conveyor shift and safety requirements and site/mine procedures 3.3. Coordinate and monitor correct sequence of conveyor shift activities 3.4. Maintain safety standards 3.5. Diagnose problems and implement response actions where appropriate 3.6. Complete conveyor shift according to site/mine procedures
4. Test and return conveyor to service	4.1. Arrange for cancellation of permits and restore isolated plant in accordance with safety requirements and site/mine

	procedures 4.2. Carry out test runs with unloaded and loaded belt 4.3. Inspect frames and conveyor belt for alignment, tension and fouling 4.4. Arrange for minor maintenance as required 4.5. Return conveyor system to service 4.6. Ensure site is clear of debris, tools, plant and machinery 4.7. Carry out recording and reporting
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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 coordinate conveyor system shift:

- apply legislative, organisation and site requirements and procedures
- apply operational safety requirements
- access, interpret and apply technical information
- apply equipment records maintenance requirements
- apply planning and organising techniques
- apply techniques to lead a diverse team
- apply diagnostic techniques
- apply procedures for complying with 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 coordinate conveyor system shift:

- mobile plant capabilities and limitations
- 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
- hazard identification and risk assessment response procedures
- site environmental requirements and constraints related to conveyor/bucketwheel system

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 the coordinating of conveyor system shifts • implementation of requirements, procedures and techniques for the safe, effective and efficient completion of conveyor system shifts • working with others to undertake and complete conveyor system shifts that meets all of the required outcomes • consistent timely completion of conveyor system shifts 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 conveyor system shifts
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
Briefings and survey plans may include:	• relationship to trunk/main conveyors • type of conveyor shift • schedules times • position of digging machinery
Site inspection may include:	• accessibility for plant • stability and evenness of surface • location of electrical services and cables • location of hopper • cracks in rail and/or plates
Ground preparation works may include:	• pads • ramps • roads • cable routes
Conveyor shift may include:	• parallel • tail end • head end • pivot • combination • conveyor shift systems may vary in: • distance • number of sections • transfer stations • shuttles
Coordination may include:	• other mobile plant operators • maintenance contractors

	• conveyor shifting supervisor
Safety requirements may include:	• legislation and regulations • relevant Australian standards • coordination plans • coordination rules • OHS Policy • code of practice • manufacturer's manuals and instructions • safe working or job procedures • training resources
Problems may include:	• fish plates • rail cracks • sleeper/frame fixings broken • belt stretching or pinching

Unit Sector(s)

Plant and Equipment Operation

Competency field

Refer to Unit Sector(s).

Co-requisite units

Not applicable.