



Australian Government

Department of Education, Employment and Workplace Relations

RIIPHA201A Operate raw material feed systems

Release: 1

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Modification History

Not applicable.

Unit Descriptor

This unit covers the operation of raw material feed systems in the metalliferous mining industry. It includes preparing for and delivering raw materials. 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:

- 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 for delivery of raw materials	1.1. Access, interpret and apply <i>compliance documentation</i> relevant to the work activity 1.2. Plan and prepare work 1.3. Receive, interpret and clarify shift changeover details 1.4. Communicate with other personnel 1.5. Select <i>personal protective equipment</i> appropriate for work activities 1.6. Identify, address and report <i>potential risks and hazards</i> 1.7. Identify, address and report <i>environmental issues</i> 1.8. Conduct visual and physical inspection of mobile equipment and plant before operations
2. Deliver raw materials	2.1. Clear conveyor belts at the earliest opportunity when stopped in an emergency 2.2. Empty conveyor belts prior to stopping 2.3. Remove tramp metals from materials to prevent damage to equipment and conveyors 2.4. Convey materials to bunkers minimising spillage 2.5. Operate mobile and fixed equipment efficiently

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 operate raw material feed systems:

- apply legislative, organisation and site requirements and procedures for operating raw material feed systems
- reclaim materials
- store materials
- store/blend materials
- deal with hazards
- communicate within work group
- report faults and variances

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 operate raw material feed systems:

- precautions necessary for safe working
- system for accessing safe working procedures
- use of protective clothing and equipment
- operating procedures
- quality procedures
- reclaiming operation
- tramp metal detection and removal
- conveyor belt procedures
- dangers presented by specific plant and equipment
- report faults
- limits of authority
- team working practices
- minimising conflict
- information to be communicated, to whom and when
- requirements on job holder of quality systems

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 operating raw material feed systems • implementation of requirements, procedures and techniques for the safe, effective and efficient completion of raw material feed systems operation • working with others to undertake and complete the operation of raw material feed systems that meets all of the required outcomes • consistent timely completion of raw material feed systems operation 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. • 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 to 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 requirement, 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: • working with others to undertake and complete the operation of raw material feed systems
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, organisational and site requirements and procedures • manufacturer's guidelines and specifications • Australian standards • Employment and workplace relations legislation • Equal Employment Opportunity and Disability Discrimination legislation
Personal protective equipment may include:	• helmet • eye/face protection • respiratory protection • gloves • hearing protection • safety footwear
Potential risks and hazards may include:	• rail and road movement • cranes • noise • wind borne dust • sharp objects • moving machinery • falling • falling objects • gases
Environmental issues may include:	• drainage • dust and fumes • emissions • hazardous chemicals • noise • run-off • spills • waste management and disposal • water quality

Unit Sector(s)

Processing

Competency field

Refer to Unit Sector(s).

Co-requisite units

Not applicable.