



Australian Government

Department of Education, Employment and Workplace Relations

RIIMPO314A Operate small open cut mine equipment

Release: 1

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Modification History

Not applicable.

Unit Descriptor

This unit covers operating equipment in small open-cut metalliferous mining operations. It includes: planning and preparing for operations; operating the equipment; and carrying out operator maintenance.

Application of the Unit

This unit is appropriate for those working in mobile plant operator roles, in small open-cut operations 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. Plan and prepare for operations	1.1. Access, interpret and apply compliance documentation relevant to operating small open-cut mine equipment 1.2. Obtain, interpret and clarify work requirements before proceeding 1.3. Access, interpret and apply geological and survey data required to complete the allocated work 1.4. Access and apply safety information and procedures throughout the work
2. Operate equipment	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. Change and operate ancillary attachments to the support equipment 2.4. Operate support equipment with or without ancillary attachments 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 capacity of the equipment
3. Carry out operator maintenance	3.1. Carry out equipment inspections and fault finding 3.2. Carry out authorised routine operational servicing, lubrication and housekeeping tasks 3.3. Carry out authorised minor maintenance 3.4. Provide authorised operator support during preparation for, and conduct of, major maintenance tasks 3.5. Process records

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 operate small open-cut mine equipment:

- apply legislative, organisation and site requirements and procedures
- apply operational safety requirements
- access, interpret and apply technical information
- apply procedures for matching equipment with tasks
- apply equipment records maintenance requirements
- use relevant hand tools
- apply eye-hand coordination
- apply diagnostic techniques
- apply environmental constraints related to the specified operations
- apply procedures for disposal of environmentally sensitive fluids and materials

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 operate small open-cut mine equipment:

- site and equipment safety requirements
- equipment and ancillary attachment characteristics, technical capabilities and limitations
- specified equipment operational procedures
- specified equipment maintenance systems and procedures
- basic geological and survey data related to the specified operation
- site environmental requirements and constraints related to the support equipment

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 small open-cut mine equipment
- implementation of requirements, procedures and techniques for the safe, effective and efficient operation of small open-cut mine equipment
- working with others to undertake and complete the operation of small open-cut mine equipment that meets all of the required outcomes
- consistent timely completion of the operation of small open-cut mine equipment 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 operation of small open-cut mine equipment
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
Small open-cut mine equipment may include:	• skid steer vehicle • tractor • backhoe • excavator • small front end loader • vibrator roller • sheafs foot roller • chain saw • telescopic handlers
Work requirements may be in the form of:	• shift briefings • handover details • work orders • support equipment identification/allocation • nature and scope of the tasks • achievement targets • working conditions • site lighting arrangements • defects to equipment • hazards and potential hazards • coordination requirements/issues
Safety information and procedures may be contained in:	• legislation and regulations • relevant Australian standards • management plans • OHS policy • code of practice

	• manufacturer's instructions • safe working or job procedures (or equivalents)
Ancillary attachments may include:	• buckets • auger • grass cutter • brush cutter • slasher • pneumatic hammer • shovel • plough • rotary hoe • any other commercially or site produced attachment

Unit Sector(s)

Mobile Plant Operations

Competency field

Refer to Unit Sector(s).

Co-requisite units

Not applicable.