



Australian Government

Department of Education, Employment and Workplace Relations

RIIMCU204A Conduct wheeled vehicle operations (articulated)

Release: 1

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Modification History

Not applicable.

Unit Descriptor

This unit covers the conduct of wheeled vehicle operations (articulated) in the coal mining industry. It includes: planning and preparing for operations, operating vehicles, and carrying out operator maintenance. 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 the application of the unit.

Application of the Unit

This unit is appropriate for those working in an assistant role, 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 operations	1.1. Access, interpret and apply compliance documentation relevant to the work activity 1.2. Access, interpret and apply mine environmental data required to complete the allocated work
2. Operate vehicles	2.1. Resolve coordination 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, shutdown procedures in accordance with manufacturer's instructions and/or site procedures 2.3. Use vehicle controls and systems to ensure smooth and effective operations 2.4. Operate vehicle within equipment limitations, and monitor and respond to gauges and systems in accordance with manufacturer's specifications and/or site requirements 2.5. Safely load/unload personnel or materials to be carried and embark/disembark in accordance with manufacturer's instruction and/or site procedures 2.6. Safely carry out towing and pushing of equipment and plant in accordance with manufacturer's instructions and/or site requirements 2.7. Recognise and respond to hazardous and emergency situations in accordance with manufacturer's instructions and/or site procedures 2.8. Perform work in accordance with the agreed plan and outcomes and within the operating capacities and safety requirements of the equipment
3. Carry out operator maintenance	3.1. Carry out articulated wheeled vehicle inspections and fault finding in accordance with manufacturer's instructions and/or site requirements 3.2. Carry out routine operational servicing, lubrication and housekeeping tasks in

	accordance with manufacturer's instructions and/or site procedures and practices 3.3. Carry out minor maintenance to manufacturer's instructions and/or site requirements 3.4. Provide operator support during preparation for, and conduct of, major maintenance tasks in accordance with site requirements 3.5. Process records in accordance with site 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 of this unit, particularly for its 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 wheeled vehicle operations (articulated):

- apply legislative, organisation and site requirements and procedures for conducting wheeled vehicle operations (articulated)
- apply operational safety requirements
- access, interpret and apply technical and environmental information
- start, operate and shutdown equipment
- use diagnostic techniques
- conduct relevant maintenance requirements
- use hand tools
- conduct emergency shutdowns
- maintain appropriate records
- apply environmental constraints and procedures
- dispose of environmentally sensitive oils, fluids and materials

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 applied. This includes knowledge of the following, as required to conduct wheeled vehicle operations (articulated):

- operational safety requirements
- articulated wheeled vehicle equipment characteristics, technical capabilities and limitations
- articulated wheeled vehicle operational procedures
- location of equipment relative to working environment
- ventilation system and conditions
- articulated wheeled vehicle maintenance requirements and procedures
- recording, reporting and handover procedures
- site environmental requirements and constraints related to articulated wheeled vehicles

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 wheeled vehicle operations (articulated) • implementation of requirements, procedures and techniques for the safe, effective and efficient completion of wheeled vehicle operations (articulated) • working with others to undertake and complete the wheeled vehicle operations (articulated) that meets all of the required outcomes • consistent timely completion of wheeled vehicle operations (articulated) 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's: • working with others to undertake and complete the wheeled vehicle operations (articulated)
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 • management plans • OHS systems • code of practice • Employment and workplace relations legislation • Equal Employment Opportunity and Disability Discrimination legislation
Articulated wheeled vehicle types may be:	• electric drive • mechanical drive • single or multiple drive • hydrostatic
Articulated wheeled vehicles may include:	• load haul dump • MPV • bobcat • roller • ramcar
Articulated wheeled vehicle applications may include transportation of personnel or materials, such as chocks, material trailers, and towing and pushing of other equipment.	
Vehicle attachments may include:	• drill rigs • forks • cable winders • pods • winches • jibs • ballast skips • stone dusters

	• man baskets • chock trailers • auger • can clamp • rib trimmer
Work requirements may be in the form of:	• shift briefings • handover details • work orders
Mine environmental data may be in the form of:	• ventilation/gas data • deputy reports • survey data
Work details may include:	• vehicle identification • nature and scope of the work • route • working conditions • achievement targets • defects on equipment • hazards and potential hazards • coordination requirements / issues
Work details may include:	• vehicle identification • nature and scope of the work • route • working conditions • achievement targets • defects on equipment • hazards and potential hazards • coordination requirements / issues
Operator (operational) maintenance procedures are those established and authorised for the site.	

Unit Sector(s)

Coal Mining (Underground)

Competency field

Refer to Unit Sector(s).

Co-requisite units

Not applicable.