



Australian Government

RIIMPO205D Operate roller/compactor

Release: 4

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Modification History

Release	Comments
1	This unit replaces RIIMPO205B Operate roller/compactor. Performance Criteria amended to make requirements more explicit; Manoeuvring, Driving and Parking Up added; Operator Maintenance element added.
2	Modification History added.
3	Editorial corrections; removed repetition from Performance Criteria; amend reference to Licensing requirements in Unit Application.
4	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Application

This unit describes a participant's skills and knowledge required to operate roller/compactors in Coal and Metalliferous mining and Extractive.

This unit is appropriate for those working in operational roles.

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.

Unit Sector

Coal mining

Metalliferous mining

Extractive

Elements and Performance Criteria

1. Plan and prepare for roller/compactor operations	1.1	Access, interpret and apply mobile plant and equipment documentation and ensure the work activity is compliant
	1.2	Obtain, read, interpret, clarify and confirm work requirements
	1.3	Identify and address potential risks, hazards and

	environmental issues and implement control measures 1.4 Select and wear personal protective equipment appropriate for work activities 1.5 Select, and check for faults, equipment and/or attachments and ensure ready for work activities 1.6 Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency
2. Operate roller/compactor	2.1 Carry out start-up, park, shutdown and secure equipment procedures 2.2 Coordinate activities with others at the site prior to commencement of, during and on completion of the work activity 2.3 Drive and operate equipment within recommended speed, engine capability and limitations 2.4 Engage and disengage the compacting device 2.5 Assess materials and site conditions, and apply appropriate operating techniques 2.6 Identify, remove or manage contaminants 2.7 Compact to required degree of compaction 2.8 Monitor and manage equipment performance using appropriate indicators, and ensure efficiency of operations 2.9 Continually monitor hazards and risks, and ensure safety of self, other personnel, plant and equipment
3. Carry out operator maintenance	3.1 Prepare machine for maintenance 3.2 Conduct inspection and fault finding 3.3 Carry out scheduled maintenance tasks 3.4 Return machine to service 3.5 Process written maintenance records
4. Conduct housekeeping activities	4.1 Clear work area and dispose of or recycle materials 4.2 Manage/report hazards, and maintain a safe working environment 4.3 Process records

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

Unit Mapping Information

No equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>

Assessment Requirements for RIIMPO205D Operate roller/compactor

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Performance Evidence

Evidence is required to be collected that demonstrates a candidate's competency in this unit. Evidence must be relevant to the roles within this sector's work operations and satisfy all of the requirements of the performance criteria of this unit and include evidence that the candidate:

- locates and applies relevant documentation, policies and procedures
- implements the requirements, procedures and techniques for the safe, effective and efficient operation of roller/compactors in surface mining including:
 - conducting prestart checks prior to commencing operations and shutdown procedures on completion of operations
 - carrying out vehicle refuelling requirements and procedures
 - applying appropriate lifting techniques to remove items from path of plant
 - driving and operating equipment under variable ground conditions and grades
 - engaging and disengaging the compacting device
 - identifying, removing and managing contaminants
 - applying safe work practices and identifying and reporting all potential hazards, risks and environmental issues
 - applying problem solving and troubleshooting techniques
- works effectively with others to undertake and complete the operation of roller/compactor that meets all of the required outcomes including:

- using a range of communications techniques and equipment to convey information to others
- complying with written and verbal reporting requirements and procedures
- demonstrates completion of operating rollers/compactors that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - manoeuvring the roller compactor safely and smoothly
 - adjusting driving and operations techniques to suit material type and ground conditions
 - completing a minimum of 500 metres roller/compactor operations of tailings and haul road
 - achieving the required degree of compaction of the surface

Knowledge Evidence

The candidate must demonstrate knowledge of the following when operating rollers/compactors in surface mining:

- identifying equipment processes, technical capability and limitations
- identifying, interpreting and using geological and technical data (basic)
- using mine operational systems
- being prepared for fire/accident/emergency
- identifying signs of operator fatigue and how it should be managed
- identifying interpreting and applying manufacturer's specifications
- applying operational, maintenance and basic diagnostics
- completing housekeeping activities

Assessment Conditions

- An assessor of this unit must satisfy the requirements of the NVR/AQTF or their successors; and Industry regulations for certification and licensing; and,
- this unit must be assessed in the context of this sector's work environment; and,
- this unit must be assessed in compliance with relevant legislation/regulation and using policies, procedures, processes and operational manuals directly related to the industry sector for which it is being assessed; and,
- assessment may be conducted in conjunction with the assessment of other Units of Competency; and,
- assessment must confirm consistent performance can be applied in a range of relevant workplace circumstances; and,
- assessors must demonstrate the performance evidence, and knowledge evidence as outlined in this Unit of Competency, and through the minimum years of current* work experience specified below in an Industry sector relevant to the outcomes of the unit; or,

- where the assessor does not meet experience requirements a co-assessment or partnership arrangement must exist between the qualified assessor and an Industry subject matter expert. The Industry subject matter expert should hold the unit being assessed (or an equivalent unit) and/or demonstrate equivalence of skills and knowledge at the unit level. An Industry technical expert must also demonstrate skills and knowledge from the minimum years of current work experience specified below in the Industry sector, including time spent in roles related to the unit being assessed; and,
- assessor and Industry subject matter expert requirements differ depending on the Australian Qualifications Framework Level (AQF) of the qualification being assessed and/or Industry Sector as follows:

Industry sector	AQF** Level	Required assessor or Industry subject matter expert experience
Drilling, Metalliferous Mining, Coal Mining, Extractive (Quarrying) and Civil Construction	1	1 Year
	2	2 Years
Drilling, Coal Mining and Extractive (Quarrying)	3-6	3 Years
Metalliferous Mining and Civil Construction	3-6	5 Years
Other sectors	Where this Unit is being assessed outside of the Resources and Infrastructure Sectors assessor and/or Industry subject matter expert experience should be in-line with industry standards for the sector in which it is being assessed and where no Industry standard is specified should comply with any relevant regulation.	

*Assessors can demonstrate current work experience through employment within Industry in a role relevant to the outcomes of the Unit; or, for external assessors this can be demonstrated through exposure to Industry by conducting frequent site assessments across various locations.

**Where a unit is being delivered outside of a Qualification the first numeric character in the Unit code should be considered to indicate the AQF level

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