



Australian Government

RIIMPO201D Operate roller/compactor underground

Release: 4

RIIMPO201D Operate roller/compactor underground

Modification History

Release	Comment
1	This unit replaces RIIMPO201A Operate roller/compactor underground. Performance Criteria was amended to include Manoeuvring, Driving, Parking Up. Performance Criteria requirements were made more explicit.
2	Modification History inserted.
3	Amend reference to Licensing requirements in Unit Application; amended Knowledge Evidence.
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 rollers/compactors underground in Metalliferous mining.

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

Metalliferous mining (Underground)

Elements and Performance Criteria

1. Plan and prepare for underground 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 for work activities 1.6 Inspect and assess site conditions, determine if scaling is required and take action according to site requirements 1.7 Carry out start-up procedures 1.8 Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency 1.9 Identify and use approved dust suppression and extraction methods 1.10 Ensure work area is well ventilated before entry
2. Operate roller/compactor, underground	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, and during, 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 Identify, remove and manage contaminants 2.6 Monitor and manage equipment performance using appropriate indicators, and ensure efficiency of operations 2.7 Assess materials and site conditions, and apply appropriate operating techniques 2.8 Compact to required degree of compaction 2.9 Continually monitor hazards and risks, and ensure safety to self, others, 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 Clean and maintain condition of equipment, ensure suitability for use, and address/report issues 4.3 Manage/report hazards, and maintain a safe working environment

	4.4 Process written 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

This unit replaces but is not equivalent to RIIMPO201A Operate roller/compactor underground.

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 RIIMPO201D Operate roller/compactor underground

Modification History

Release	Comment
1	This unit replaces RIIMPO201A Operate roller/compactor underground. Performance Criteria was amended to include Manoeuvring, Driving, Parking Up. Performance Criteria requirements were made more explicit.
2	Modification History inserted.
3	Amend reference to Licensing requirements in Unit Application; amended Knowledge Evidence.
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.

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 operating of rollers and/or compactor in underground metalliferous mines 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 the roller/compactor to site conditions and compacting materials requirements
 - 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 rollers and/or compactor in underground metalliferous mines that meets all of the required outcomes including:
 - using a range of communications techniques and equipment to convey information to others
 - maintaining written and verbal reporting requirements and procedures
 - organising work activities to meet all task requirements
 - communicating clearly and concisely with others to receive and clarify work instructions
- demonstrates completion of operating roller/compactor underground that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - setting up demarcation of work area
 - use of warning devices and manoeuvres when other personnel are in the work area
 - demonstrating the correct procedure for parking in stockpiles and on an incline
 - compacting haul roads

Knowledge Evidence

The candidate must demonstrate knowledge of the following when operating rollers/compactors underground:

- dangers of open or uncompacted excavations or trenches
- steepness of grades, as specified by the manufacturer
- equipment processes, technical capability and limitations
- geological and technical data (basic)
- mine operational systems
- signs of operator fatigue and how it should be managed
- primary and secondary ventilation
- operational, maintenance and basic diagnostics
- 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

Links

Companion Volume implementation guides are found in VETNet -

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

