



Australian Government

RIIVEH301D Conduct rail haulage operations

Release: 2

RIIVEH301D Conduct rail haulage operations

Modification History

Release	Comment
1	This unit replaces RIIVEH301A Conduct rail haulage operations
2	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 conduct rail haulage operations in Coal and Metalliferous mining.

This unit is appropriate for those working in supervisory and technical specialist roles.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

Coal mining

Metalliferous mining

Elements and Performance Criteria

1. Plan and prepare for rail haulage operations	1.1 Access, interpret and apply rail haulage documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret and clarify/confirm work requirements 1.3 Access, interpret and apply mine environmental data required to complete the allocated work 1.4 Carry out pre-start vehicle and equipment checks
2. Haul material	2.1 Coordinate activities with others prior to commencement of, and during, the work activity 2.2 Carry out pre-start, start-up, park-up, shutdown procedures 2.3 Use vehicle controls and systems, ensure smooth and effective operations

	2.4 Operate rail vehicle within equipment limitations, and monitor and respond to gauges and systems 2.5 Safely load/unload personnel or materials 2.6 Safely carry out towing and pushing of equipment and plant 2.7 Recognise and respond to hazards and emergency situations 2.8 Perform work activity within the operating capacities of the equipment
3. Load and unload rake of trucks	3.1 Position rake underneath material loading chute/loading point, ensure accuracy 3.2 Load and unload rake use approved equipment, minimise spillage and avoid damage to equipment
4. Carry out operator maintenance	4.1 Carry out rail vehicle and rolling stock inspections and fault-finding 4.2 Carry out routine operational servicing, lubrication and housekeeping tasks using appropriate cleaning methods 4.3 Carry out minor operational maintenance 4.4 Provide operator support during preparation for, and conduct of, major maintenance tasks 4.5 Process written records and reports

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

RIIVEH301A Conduct rail haulage operations

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 RIIVEH301D Conduct rail haulage operations

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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:

- locate and apply relevant documentation, policies and procedures
- works effectively with others to undertake and effective completion of rail haulage operations to meet all required outcomes including:
 - preparing for and organising work activities to meet all task requirements
 - communicating clearly and concisely with others to receive and clarify work instructions
 - using a range of communication techniques and aids to advise others of work activity and exclusion zones
- demonstrates completion of conducting rail haulage operations that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - organising work activities to comply with site standards
 - conducts pre-start, start-up, park-up and shutdown vehicle and equipment procedures and checks
 - correct use of vehicle controls and systems
 - operate rail vehicle
 - load and unload personnel and materials
 - carry out towing and pushing of equipment and plant
 - position, load and unload rake
 - carry out inspections and identify faults
 - conduct operational maintenance including servicing, lubrication and cleaning

- process written records and reports

Knowledge Evidence

The candidate must demonstrate knowledge of conducting rail haulage operations through:

- apply problem solving skills to rail haulage operations issues
- location of equipment relative to working environment
- ventilation system and conditions
- rail vehicle maintenance requirements and procedures
- recording, reporting and handover procedures
- site environmental requirements, procedures and constraints related to rail vehicles
- bucket loading procedures
- basic geological and technical data
- isolation procedures
- locomotive parking techniques
- types of rail operations
- rail signaling system characteristics
- reporting procedures
- start up and shutdown procedures

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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