



Australian Government

RIIMPO202D Undertake towing underground

Release: 4

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Modification History

Release	Comments
1	This unit replaces RIIMPO202A Undertake towing underground. Performance Criteria amended to include Manoeuvring, Driving, Parking Up; requirements made more explicit.
2	Modification History added.
3	Editorial corrections; 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 undertake towing 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 towing underground	1.1 Access, interpret and apply towing in underground metalliferous mines 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
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	work activities 1.5 Select appropriate type of towing equipment according to job type and specifications, and check equipment for serviceability and rectify or report any faults 1.6 Communicate with other equipment operators and personnel using approved communication methods 1.7 Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency 1.8 Ensure area is well ventilated before entry into work area
2. Shackle and hitch vehicle/equipment	2.1 Carry out equipment pre-start checks and start-up procedures 2.2 Identify towing/lifting points on vehicle/equipment 2.3 Select suitable towing equipment for type and size of vehicle/equipment 2.4 Hitch towing equipment to vehicle/equipment using approved method 2.5 Confirm security and balance of hitch prior to commencing tow
3. Tow and unhitch vehicle/equipment	3.1 Tow vehicle, observing safe driving conventions, and following site procedures for towing 3.2 Continually monitor hazards and risks, and ensure safety of self, other personnel, plant and equipment 3.3 Monitor condition of ground and hitch and adjust towing accordingly 3.4 Proceed to destination using the safest and most direct route 3.5 Unhitch vehicle/equipment in authorised area
4. Carry out post-operational procedures	4.1 Inspect, fault find and report faults 4.2 Carry out routine operator servicing, maintenance and housekeeping tasks 4.3 Clean and store towing vehicle/equipment, ensure suitability for use, and address/report issues 4.4 Complete all written documentation and communications clearly, concisely and on time

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 RIIMPO202D Undertake towing underground

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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 completion of towing underground including:
 - conducting prestart checks prior to commencing operations and shutdown procedures on completion of operations
 - carrying out vehicle refuelling requirements and procedures
 - assessing towing options for vehicle/equipment
 - using relevant tools
 - driving and operating the vehicles and equipment to site conditions and 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 towing underground 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
- communicating clearly and concisely with others to receive and clarify work instructions
- demonstrates completion of undertaking towing underground that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - selecting correct towing tools and equipment
 - tow bar
 - sling
 - checking and confirming equipment for serviceability
 - carrying out pre-start checks, start-up, park-up and shut-down procedures
 - identifying towing points on vehicle
 - hitch towing equipment to vehicle
 - towing, steering and manoeuvring vehicle

Knowledge Evidence

The candidate must demonstrate knowledge of the following when undertaking towing underground:

- appropriate towing equipment
- equipment processes, technical capability and limitations
- geological and technical data (basic)
- hazardous goods procedures (handling and transport)
- isolation procedures
- mine operational systems
- signs of operator fatigue and how it should be managed
- manufacturer's specifications
- driving regulations, rules and conventions
- 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

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