



Australian Government

RIIRTM301D Operate a truck or trailer mounted attenuator

Release: 1

RIIRTM301D Operate a truck or trailer mounted attenuator

Modification History

Release	Comment
1	This is the first release of this unit.

Application

This unit describes the skills and knowledge required to operate a truck or trailer mounted attenuator when carrying out traffic management activities in Civil construction. It includes planning and preparing, using radio communication, operating and positioning truck or trailer mounted attenuator, using traffic controls, and cleaning up.

This unit is appropriate for those working in assistant 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 from the relevant Road Authorities prior to application of the unit.

Unit Sector

Civil construction

Elements and Performance Criteria

1. Plan and prepare to operate the attenuator	1.1 Access, interpret and apply relevant traffic management / attenuator documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm safety requirements from the site safety plan, vehicle movement plan and organisational policies and procedures, and apply to the allotted task 1.3 Identify, obtain and implement signage requirements 1.4 Select vehicles, plant, tools and equipment to carry out tasks consistent with the requirements of the job, check for serviceability and rectify or report any faults 1.5 Identify, confirm, clarify and apply environmental protection requirements
2. Conduct truck and attenuator pre-operational checks	2.1 Check attenuator connection with host vehicle, tyres and brakes (trailer mounted) in accordance with trailer mounted attenuator pre-start check 2.2 Carry out start-up, park and shutdown procedures in

	accordance with manufacturer's and/or site specific requirements 2.3 Check truck and attenuator controls and functions, including raising and lowering attenuator, video cameras or other attachments, brakes and manoeuvrability for serviceability and report or rectify any faults
3. Operate communication devices	3.1 Adjust communication device such as radio controls for optimum transmission and reception 3.2 Test and verify (radio) contact between all vehicles and hand held radios 3.3 Transmit (radio) messages clearly and concisely 3.4 Check communications contact after nominated period of non-contact 3.5 Ensure (radio) communication is maintained between vehicles to confirm correct positioning of vehicle
4. Operate truck or trailer mounted attenuator	4.1 Identify site hazards associated with truck or trailer mounted attenuator operations 4.2 Identify and apply safe operating techniques for truck or trailer mounted attenuator to achieve optimum safety in accordance with national truck or trailer mounted attenuator guidelines 4.3 Operate truck or trailer mounted attenuator to work instructions including closing lanes and working in a mobile / progressively moving work situation
5. Position traffic controls and truck or trailer mounted attenuator	5.1 Position and check traffic control signs and display on vehicles 5.2 Display and check vehicle warning lights including arrow boards and/or rotating beacon warning lights 5.3 Position vehicle according to traffic management plan, and meeting traffic and site safety regulations 5.4 Ensure traffic is controlled effectively to protect the work crew 5.5 Move truck or trailer mounted attenuator safely between worksites, observing relevant road rules and traffic management requirements 5.6 Ensure incidents are recorded and reported as required
6. Carry out operator maintenance	6.1 Conduct inspection and fault finding in accordance with manufacturer's specifications and/or organisational requirements 6.2 Complete required documentation
7. Clean up	7.1 Ensure work area is clear and dispose of or recycle materials appropriately

	7.2 Ensure tools and equipment are cleaned, checked, maintained and stored
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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

Code and title Current version	Code and title Previous version	Comments	Equivalence status
RIIRTM301D Operate a truck or trailer mounted attenuator	This is the first release of this unit	Release one	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 RIIRTM301D Operate a truck or trailer mounted attenuator

Modification History

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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 applicable legislation, documentation, policies and procedures
- implements the requirements, procedures and techniques for the safe, effective and efficient operation of a truck or trailer mounted attenuator including:
 - accessing and interpreting the truck or trailer mounted attenuator manufacturer's instructions
 - accessing and interpreting workplace documentation, such as job safety analysis or safe work method statements
 - accessing and interpreting site traffic management plan and safety plan
 - accessing and interpreting National Guidelines, Code of Practice for truck or trailer mounted attenuators
- works effectively with others to undertake and complete the operation of a truck or trailer mounted attenuator that meets all of the required outcomes including:
 - using a range of communication techniques and equipment to convey information to others
 - using effective, efficient and safe radio communication procedures to ensure safety of work colleagues and road users
 - participating in pre-work safety meetings, toolbox meetings or similar
 - maintaining written and verbal reporting requirements
 - organising work activities to meet all task requirements
 - communicating clearly and concisely with others to receive and clarify work instructions
- demonstrates completion of operating a truck or trailer mounted attenuator that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion, at three (3) different road sites, at least one of which will include working in a mobile/progressively moving work situation including:

- operation of the truck or trailer mounted attenuator, according to national guidelines, manufacturer's instructions, site safety plan, traffic management plan, and environmental protection requirements
- conducting truck and attenuator pre-operational checks, including any attachments, and reported any faults
- moving and positioning the truck or trailer mounted attenuator to meet manufacturer's specifications, traffic and site regulations, and traffic management plan requirements
- positioning other traffic controls and signs as required in the traffic management plan
- carrying out inspection and fault finding on the truck or trailer mounted attenuator as per manufacturer's instructions and organisational requirements
- conducts clean up of work area, and store tools, plant and equipment safely and following organisational requirements

Knowledge Evidence

The candidate must demonstrate knowledge of the following when operating a truck or trailer mounted attenuator:

- legislative, organisation and site requirements and procedures for:
 - risk assessment and management
 - statutory compliance
 - workplace health and safety
 - site and equipment safety requirements
 - emergency and environmental issues
 - response to and contingency plans for impact incidents
 - quality management
 - verbal and written communication
- National Guidelines and Standards, Code of Practice for Truck and/or Trailer Mounted Attenuators
- project traffic management plans
- mobile traffic control and general traffic control responsibilities and authorities
- equipment types, characteristics, technical capabilities and limitations
- operational, maintenance and basic diagnostic procedures
- processes for the calculation of travel speed
- civil infrastructure terminology
- job safety analysis / safe work method statements

Assessment Conditions

- Assessors must satisfy the Standards for Registered Training Organisations (RTOs) 2015/AQTF mandatory competency requirements for assessors; and industry regulations for certification and licensing; and,
- this unit is best assessed in the context of this sector's 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 this sector's workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills; 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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