



Australian Government

RIIRTM201D Position, set-up and operate a variable message sign

Release: 1

RIIRTM201D Position, set-up and operate a variable message sign

Modification History

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

Application

This unit describes a participant's skills and knowledge required to transport, position, operate, commission/de-commission a variable message sign, which may be truck and/or trailer mounted, and conduct housekeeping activities relevant to the task in the Civil construction industry.

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

Civil Construction

Elements and Performance Criteria

1. Plan and prepare to position, set up and operate a variable message sign	1.1 Access, interpret and apply relevant traffic management plan / variable message sign documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Select and wear personal protective equipment appropriate for the work activity 1.4 Identify, address and report potential risks, hazards and environmental issues and implement control measures 1.5 Identify, confirm, clarify and apply environmental protection requirements
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2. Transport variable message sign	2.1 Conduct variable message sign pre-start check and report or rectify any faults 2.2 Prepare variable message sign for transportation 2.3 Ensure variable message sign is secured to vehicle 2.4 Connect, manoeuvre and transport variable message sign 2.5 Enter work site safely, observing relevant road rules, site and traffic management requirements 2.6 Park-up and ensure the braking system is engaged 2.7 Check variable message sign controls and functions and report or rectify any faults
3. Position variable message sign	3.1 Position variable message sign according to traffic management plan/diagram, and meet traffic and site safety regulations and guidelines 3.2 Complete site specific risk assessment 3.3 Select level site and ensure variable message sign is stable 3.4 Ensure variable message sign visibility to road users 3.5 Provide safe travel path for cyclists and pedestrians past variable message sign 3.6 Initiate variable message sign security system 3.7 Operate communication devices
4. Operate variable message sign	4.1 Select, apply and change messages 4.2 Confirm the variable message sign displays the appropriate message 4.3 Ensure the variable message sign is legible to road users 4.4 Confirm message does not conflict with existing signage
5. Shut-down and remove variable message sign from site	5.1 Conduct shut-down procedures 5.2 Prepare variable message sign for transportation 5.2 Remove variable message sign safely from site, observing relevant road rules and traffic management requirements
6. Clean up	6.1 Conduct inspection and fault finding in accordance with manufacturer's specifications and/or organisational requirements 6.2 Carry out minor routine maintenance in accordance with organisational procedures 6.3 Ensure tools and equipment are cleaned, checked, maintained and stored

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
RIIRTM201D Position, set-up and operate a variable message sign	This is the first release of this unit	Release 1	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 RIIRTM201D Position, set-up and operate a variable message sign

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 relevant legislation, documentation, policies and procedures
- reads and interprets the work instruction and planning work activity
- plans and prepares for the safe, effective and efficient operation of the variable message sign, according to traffic management plan, traffic and site regulations, environmental protection requirements, and manufacturer's instructions
- implements the requirements, procedures and techniques for the safe, effective and efficient positioning, set-up and operation of a variable message sign including:
 - manual handling and use of hand tools
 - identifying and implementing site specific requirements
 - identifying and recognising type and scope of hazards and their impact
 - identifying and recommending risk control measures
 - identifying and applying environmental protection requirements
 - carry out inspection and fault finding as per manufacturer's instructions and organisational requirements
- works effectively with others to undertake and complete the positioning, set-up and operation of a variable message sign that meets all of the required outcomes including:
 - using a range of communication techniques and equipment to convey information to others and ensure safety of work colleagues and road users
 - 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 positioning, set-up and operation of a variable message sign that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:

- transporting and positioning variable message sign to meet traffic management plan, traffic and site regulations, environmental protection requirements, and manufacturer's instructions including:
 - connecting, manoeuvring and transporting variable message sign
 - conducting variable message sign pre-start checks
 - operating variable message sign
 - conducting variable message sign shut-down procedures
 - carrying out inspection and fault finding
 - conducting clean up of work area, and store tools, plant and equipment

Knowledge Evidence

The candidate must demonstrate knowledge of the following when operating a variable message sign including:

- legislative, organisation and site requirements and procedures
- verbal and written communication requirements
- Australian and other relevant standards
- site and equipment safety requirements
- mobile traffic control requirements
- risk assessment and management
- road rules
- towing equipment
- towing hazards and risks
- statutory compliance
- traffic management plans/diagrams
- traffic guidance schemes
- operational and maintenance procedures for
- equipment safety requirements
- emergency procedures
- environmental protection
- communication device operations
- equipment types, characteristics, technical capabilities and limitations
- basic diagnostic procedures
- tag out procedures

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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