



Australian Government

RIIRTM201E Position, set-up and operate variable message signs

Release: 1

RIIRTM201E Position, set-up and operate variable message signs

Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 6.0.

Application

This unit describes the skills and knowledge required to transport, position, operate and remove variable message signs, which may be truck or trailer mounted, and conduct housekeeping activities relevant to the task in the civil construction industry.

It applies to those working in operational roles. They generally work under supervision to undertake a prescribed range of functions involving known routines and procedures and take some responsibility for the quality of work outcomes.

Licensing, legislative and certification requirements that apply to this unit can vary between states, territories, and industry sectors. Users must check requirements with relevant body before applying the unit.

Unit Sector

Civil Construction

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan and prepare to position, set up and operate a variable message sign	1.1 Obtain, interpret, clarify and confirm work instructions 1.2 Access, interpret and apply documentation required to position, set-up and operate variable message signs 1.3 Select and wear personal protective equipment required for work activity 1.4 Identify, address and report potential risks, hazards and environmental issues and implement control measures within scope of own role 1.5 Identify, confirm, clarify and apply environmental protection requirements

ELEMENT	PERFORMANCE CRITERIA
	1.6 Obtain and interpret emergency procedures and identify steps required to respond to emergencies
2. Transport variable message sign	2.1 Conduct variable message sign pre-start check and report or rectify faults as required 2.2 Prepare variable message sign for transportation 2.3 Confirm variable message sign is secured to vehicle 2.4 Connect, manoeuvre and transport variable message sign according to job requirements 2.5 Enter work site according to road and traffic management requirements 2.6 Park-up and confirm braking system is engaged 2.7 Check variable message sign controls and functions and report or rectify faults as required
3. Position variable message sign	3.1 Position variable message sign according to traffic management plan or diagram and traffic and site safety regulations and guidelines 3.2 Complete site-specific risk assessment 3.3 Select level site and confirm variable message sign is stable 3.4 Confirm 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 according to job requirements
4. Operate variable message sign	4.1 Select, apply and change messages according to job requirements and manufacturer specifications 4.2 Confirm variable message sign displays required message 4.3 Confirm 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 according to manufacturer specifications 5.2 Prepare variable message sign for transportation 5.3 Remove variable message sign from site according to road rules,

ELEMENT	PERFORMANCE CRITERIA
	site and traffic management requirements
6. Conduct clean-up activities	6.1 Conduct inspection and fault finding according to manufacturer specifications and site requirements 6.2 Carry out minor routine maintenance according to site requirements 6.3 Clean, check, perform maintenance on and store tools and equipment according to manufacturer specifications and site requirements

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Self-management	Monitors and minimises own exposure to worksite risks and hazards during work activities
Oral communication	Conveys information and instructions to other verbally
Writing	Completes basic records using sector-specific vocabulary, grammatical structures and conventions

Unit Mapping Information

Supersedes and is equivalent to RIIRTM201D Position, set-up and operate a variable message sign.

Links

Companion Volume Implementation Guide is found on VETNet -

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

Assessment Requirements for RIIRTM201E Position, set-up and operate variable message signs

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Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- transport, position, set-up, operate and shut-down a variable message sign on at least two occasions.

During the above, the candidate must:

- locate and apply required legislation, documentation, policies and procedures
- implement the requirements, procedures and techniques to position, set-up and operate variable message signs, including:
 - identifying, reporting and recording hazards and risks, and recommending control measures
 - identifying and applying environmental protection requirements
- work with others to position, set-up and operate variable message signs that meets required outcomes, including:
 - using communication techniques and equipment to convey information to others
 - completing written and verbal reporting requirements
 - organising work activities to meet task requirements
 - communicating with others to receive and clarify work instructions.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- legislation required to position, set-up and operate variable message signs
- policies, procedures and documentation required to position, set-up and operate variable message signs, including those relating to:
 - statutory compliance

- emergency response
- work health and safety
- work instructions
- environmental protection
- Australian and other relevant standards
- communication techniques and equipment
- site and equipment safety
- environmental protection
- mobile traffic control
- traffic and site safety regulations and guidelines
- traffic management plans
- risk assessment and management
- equipment operation and maintenance, including start-up and shut down
- road rules and traffic management
- operational, maintenance and basic diagnostics
- tag out
- manufacturer specifications for required plant and equipment
- site requirements
- workplace recording and reporting
- equipment types, characteristics, technical capabilities and limitations including towing equipment
- principles and techniques required to position, set-up and operate variable message signs, including those relating to:
 - interpreting traffic management plans and diagrams
 - interpreting traffic guidance schemes
 - operating a communication device
 - towing hazards and risks.

Assessment Conditions

Mandatory conditions for assessment of this unit are stipulated below. The assessment must:

- include access to:
 - personal protective equipment
 - variable message sign
 - equipment required to position, set-up and operate a variable message sign
- be conducted in a safe environment; and,
- be assessed in the context of this sector's work environment; and,
- be assessed in compliance with relevant legislation/regulation and using policies, procedures and processes directly related to the industry sector for which it is being assessed; and,

- confirm consistent performance can be applied in a range of relevant workplace circumstances.

Where personal safety or environmental damage are limiting factors, assessment may occur in a simulated work 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.

Assessor requirements

Assessors must be able to clearly demonstrate current and relevant industry knowledge and experience to satisfy the mandatory regulatory standards as set out in the Standards for Registered Training Organisations 2015/Australian Quality Training Framework mandatory requirements for assessors current at the time of assessment and any relevant licensing and certification requirements. This includes:

- vocational competencies at least to the level being delivered and assessed
- current industry skills directly relevant to the training and assessment being provided
- current knowledge and skills in vocational training and learning that informs their training and assessment
- formal relevant qualifications in training and assessment
- having knowledge of and/or experience using the latest techniques and processes
- possessing the required level of RII training product knowledge
- having an understanding and knowledge of legislation and regulations relevant to the industry and to employment and workplaces
- demonstrating the performance evidence, and knowledge evidence outlined in this unit of competency, and
- the minimum years of current** work experience after competency has been obtained as specified below in an industry sector relevant to the outcomes of the unit.

It is also acceptable for the appropriately qualified assessor to work with an industry expert to conduct assessment together and for the industry expert to be involved in the assessment judgement. The industry expert must have current industry skills directly relevant to the training and assessment being provided. This means the industry subject matter expert must demonstrate skills and knowledge from the minimum years of current work experience after competency has been obtained as specified below, including time spent in roles related to the unit being assessed:

Industry sector	AQF indicator level***	Required assessor or industry subject matter expert experience
Drilling, Metalliferous Mining, Coal Mining, Extractive (Quarrying) and Civil Infrastructure	1	1 year
	2	2 years
Drilling, Coal Mining, Extractive (Quarrying), Metalliferous Mining and Civil Infrastructure	3-6	3 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.
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*Guidance on simulated environments has been stipulated in the RII implementation guide located on VETNet.

**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 a minimum number of site assessments as determined by the relevant industry sector, across various locations.

***While a unit of competency does not have an AQF level, where a unit is being delivered outside of a qualification the first numeric character in the unit code should be considered as the AQF indicator level for assessment purposes.

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