



Australian Government

RIICRC204D Install and maintain roadside fixtures

Release: 2

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Modification History

Release	Comment
1	This unit replaces RIICRC204A Install and maintain roadside fixtures
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 install and maintain roadside fixtures in Civil Construction.

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 install and maintain roadside fixtures	1.1 Access, interpret and apply roadside fixtures installation and maintenance 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 correct personal protective equipment appropriate for work activities 1.5 Identify, obtain, confirm and implement signage requirements 1.6 Select and check for faults all plant, tools and equipment to carry out tasks
2. Install guide	2.1 Set out job to alignment and locations according to job

posts and delineators	drawings and specifications 2.2 Excavate holes for poles to specification requirements 2.3 Install guideposts to specification 2.4 Install delineators to specification
3. Erect guardrails	3.1 Set out position of guardrails according to drawings 3.2 Finish guardrails according to specifications 3.3 Erect and/or install guardrails in the correct location
4. Erect road fencing	4.1 Set out fence line according to drawing and specifications and excavate positions of fence line and post hole 4.2 Install fence posts plumb and to alignment 4.3 Fit and fix rails, cladding mesh or panels
5. Repair roadside fixtures	5.1 Identify roadside fixture faults and determine methods of repair 5.2 Carry out repairs and routine maintenance
6. Maintain signs	6.1 Maintain signs and support structures 6.2 Carry out repairs 6.3 Replace reflective patches in accordance with cyclic maintenance program
7. Clean up	7.1 Clear work area and recycle or dispose of materials Store or stack unused materials 7.2 Clean, check, maintain and store plant, tools and equipment

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

RIICR204A Install and maintain roadside fixtures

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 RIICRC204D Install and maintain roadside fixtures

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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 documentation, policies and procedures
- implements the requirements, procedures and techniques for the safe, effective and efficient installation and maintenance of roadside fixtures including:
 - identifying and applying relevant drawings and job specifications to all work activities
 - confirming safety requirements
 - identifying, addressing and reporting potential hazards and risks
 - identifying, obtaining, confirming and implementing requirements for signage and barriers
 - selecting and checking for faults tools and equipment to carry out tasks
 - identifying, addressing and reporting environmental issues and ground conditions
- works effectively with others to undertake and complete the installation and maintenance of roadside fixtures in a way that meets all of the 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
 - monitoring hazards and identifying changes to the work environment during the work process

- demonstrates completion of installing and maintaining roadside fixtures that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - installation of guide posts and delineators to specification
 - monitoring hazards and changes to the work environment during the work process
 - erecting and finishing guardrails according to drawings and specifications
 - erecting road fencing to drawings and specifications
 - carrying out repair to roadside fixtures
 - performing maintenance of signs
 - conducting a clean-up on completion of the work
- as an individual or as a member of a two-three person team, undertake and complete the following:
 - installation of ten (10) metres of guardrail and finish ends
 - installation of two (2) guide posts and delineators
 - replacement of two (2) signs, and
 - erection of ten (10) metres of roadside fencing to specification

Knowledge Evidence

The candidate must demonstrate knowledge in installing and maintaining roadside fixtures through:

- accessing, interpreting and applying the organisation and site requirements and procedures for:
 - identifying and managing risks
 - identifying, addressing and reporting environmental issues and ground conditions
 - setting up work activity
 - site isolation and traffic control responsibilities
 - work health and safety
 - managing waste
- selecting and checking for faults, tools and equipment to carry out tasks
- carrying out work to specifications
- applying effective installation and maintenance techniques

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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