



Australian Government

RIICWD503D Prepare work zone traffic management plan

Release: 2

RIICWD503D Prepare work zone traffic management plan

Modification History

Release	Comment
1	This unit replaces RIICWD503A Prepare work zone traffic management plan
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 prepare work zone traffic management plans in Civil construction.

This unit is appropriate for those working in management roles.

No licensing, legislation or certification requirements apply to this unit at the time of publication.

Unit Sector

Civil construction

Elements and Performance Criteria

1. Plan for the preparation of work zone traffic management plans	1.1 Access, interpret and apply traffic management documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Identify and confirm the work zone traffic management plan project requirements and information 1.4 Prepare a preparation plan which makes best use of the available resources and meets the traffic management plan requirements
2. Undertake the work zone traffic management plan preparation	2.1 Interpret and analyse data and identify viable options 2.2 Interpret and analyse data and make a recommendation for the preferred option 2.3 Complete the detailed work zone traffic management plan

	2.4 Prepare a cost estimate for executing the work zone traffic management plan 2.5 Participate in the review of the work zone traffic management plan with peers and stakeholders 2.6 Complete the documentation for the work zone traffic management plan 2.7 Monitor and coordinate the progress of other team members involved in the preparation process 2.8 Gain plan approval
3. Finalise preparation processes of work zone traffic management plan	3.1 Ensure filing of preparation records is completed 3.2 Complete and submit preparation cost and other reporting 3.3 Participate in performance review of the preparation process 3.4 Seek client feedback and contribute to the verification of the plan 3.5 Close out all systems
4. Support and review the application of the work zone traffic management plan	4.1 Provide clarification and advice to those applying the plan 4.2 Review the application of the plan and recommend changes for continuous improvement 4.3 Contribute to the validation of the plan

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

RIICWD503A Prepare work zone traffic management plan

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 RIICWD503D Prepare work zone traffic management plan

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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
- implements the requirements, procedures and techniques for the safe, effective and efficient preparation of work zone traffic management plans including:
 - accessing and interpreting plans, drawings, specifications and traffic management plan briefs
 - accessing and interpreting engineering survey information
 - accessing and interpreting hydrological, meteorological, cultural and heritage data
 - accessing and interpreting traffic analysis data
 - selecting and applying appropriate implementation techniques
 - applying engineering graphical presentation techniques
- works effectively with others to undertake and complete the preparation of work zone traffic management plans that meets all the required outcomes including:
 - complying with written and verbal reporting requirements and procedures
 - communicating clearly and concisely with others to receive and clarify work instructions
 - communicating clearly and concisely with others to coordinate work activities
- demonstrates completion of work zone traffic management plan that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - carry out risk assessments
 - interpret and analyse data

- prepare a traffic management plan
- determine traffic management plan capacity requirements
- select traffic management plan options
- size traffic management plan components
- develop and applying traffic management plans
- calculate flow rates, level of service, capacities and percentages
- maintain plan and cost records
- prepare a cost estimate
- obtain plan approval
- complete and submitting plan cost
- participate in performance review of the plan process
- provide clarification and advice to those applying the plan
- perform a validation of the plan

Knowledge Evidence

The candidate must demonstrate knowledge in preparing work zone traffic management plans through:

- accessing, interpreting and applying legislative, organization and site requirements and procedures for:
 - risk assessment and management
 - statutory compliance
 - work health and safety
 - environmental management
 - cultural and heritage
 - quality management
 - Australian and other relevant standards
 - industry and organisational design
 - current industry best practice
 - traffic management plan options
 - traffic management plan geometrics
 - plan approvals and reviews
 - documentation, recording and reporting
 - performance reviews
 - systems close out
- potential hazards, constraints and conditions
- techniques for choosing preferred options
- team leadership techniques
- operational techniques
- traffic management plan implementation structures and capabilities
- cost estimation techniques

- principles of road user behaviour

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 is best assessed in the context of this sector's work environment; and,
- outcomes of this unit that occur in an office-based setting may be assessed 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.
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*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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