



Australian Government

RIICWD503E Prepare traffic management plans and traffic guidance schemes

Release: 1

RIICWD503E Prepare traffic management plans and traffic guidance schemes

Modification History

This unit replaces RIICWD503D Prepare work zone traffic management plan. Significant endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.

Application

This unit describes the skills and knowledge required to perform a preliminary risk assessment of a temporary traffic management site and select, modify and design traffic management plans and traffic guidance schemes in civil construction.

It applies to those working in management roles. They generally work in teams and have some responsibility for the outcomes of others.

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

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.Establish context for traffic management plan and traffic guidance scheme	1.1 Determine worksite requirements and document context of traffic management plan 1.2 Identify characteristics, constraints and hazards that apply to the worksite 1.3 Complete risk assessment of proposed worksite 1.4 Establish and document the scope and objectives of traffic management plan

2.Prepare traffic management plan	2.1 Monitor and coordinate the progress of personnel involved in the preparation process 2.2 Prepare and implement traffic management plan communications strategy for internal and external audiences 2.3 Prepare a cost estimate for executing traffic management plan 2.4 Document and assemble traffic management plan 2.5 Gain plan approval from required authorities 2.6 Confirm preparation records are filed according to workplace policies and procedures 2.7 Participate in performance review of the preparation process
3. Prepare traffic guidance scheme	3.1 Determine whether to select, modify or design required traffic guidance scheme 3.2 Select, modify and develop traffic guidance scheme as required
4.Support and review traffic management plan implementation	4.1 Provide clarification and advice to personnel implementing the traffic management plan as required 4.2 Review traffic management plan implementation and recommend changes as required 4.3 Contribute to traffic management plan validation process as required

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
Oral communication	- Presents information and provides assistance using industry specific vocabulary - Uses listening and questioning to clarify and confirm understanding
Reading	Identifies and interprets information from workplace procedures, documentation, legislation and regulations
Writing	Produces and completes workplace reports, including risk management matrices, using appropriate vocabulary, grammatical structures and conventions

Unit Mapping Information

Supersedes and is equivalent to RIICWD503D 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 RIICWD503E Prepare traffic management plans and traffic guidance schemes

Modification History

This unit replaces RIICWD503D Prepare work zone traffic management plan. Significant endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.

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:

- prepare a work zone traffic management plan and traffic guidance scheme in a manner that is safe and follows workplace policies and procedures on at least two occasions, including:
 - inspecting and identifying hazards and constraints in the work zone in which the traffic management plan will apply
 - carrying out risk assessments
 - interpreting and analysing data
 - calculating flow rates, level of service, capacities and percentages
 - determining traffic management plan capacity requirements
 - documenting scope and authorities to modify the plan during implementation.

During the above, the candidate must:

- locate and apply required legislation, documentation, policies and procedures
- access and interpret required:
 - plans, drawings, specifications and traffic management plan briefs
 - engineering survey information
 - hydrological, meteorological, cultural and heritage data
 - traffic analysis data
- select and apply required traffic management plan implementation techniques
- apply engineering graphical presentation techniques
- work with required personnel to undertake and complete the work zone traffic management plan including:
 - complying with written and verbal reporting requirements and procedures
 - communicating with others to receive and clarify work instructions and coordinate work activities.

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:

- required legislative, workplace and site policies and procedures and required Australian and international standards for:
 - temporary traffic management
 - risk assessment and management
 - statutory compliance
 - work health and safety
 - environmental management
 - cultural and heritage management
 - quality management
 - plan approvals and reviews
 - performance reviews
 - documentation, recording and reporting
- principles of road user behaviour
- principles of traffic management plans and traffic guidance schemes, including:
 - workplace design options
 - techniques for evaluating and selecting preferred options
 - signs, devices and equipment types,
 - characteristics, technical capabilities and limitations
 - geometrics
 - potential traffic hazards, constraints and conditions
- workplace techniques for implementing traffic management plans and traffic guidance schemes, including:
 - operational techniques
 - basic public communications strategies
 - industry and workplace design
 - implementation structures and capabilities
 - team leadership techniques
 - problem solving techniques
 - cost estimation techniques.

Assessment Conditions

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

- include access to:
 - traffic management plan
 - traffic guidance scheme
- 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 (RTOs) 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)	1	1 year
	2	2 years

and Civil Infrastructure		
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.	

*Guidance on simulated environments has been stipulated in the RII Companion Volume 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.

Links

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