



Australian Government

Department of Education, Employment and Workplace Relations

RIIOHS302A Implement traffic management plan

Release: 1

RIIOHS302A Implement traffic management plan

Modification History

Not applicable.

Unit Descriptor

This unit covers the competency required to implement a traffic management plans in the civil construction industry. It includes: planning and preparing; setting out, monitoring and closing down the traffic guidance scheme; and cleaning up.

Application of the Unit

These traffic management plans include those for public and private roads, parking areas and restricted access construction sites. This unit is appropriate for those working in a operational roles, at worksites within:

- Civil construction

Licensing/Regulatory Information

Refer to Unit Descriptor.

Pre-Requisites

Not applicable.

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.
---	--

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Plan and prepare	1.1. Access, interpret and apply <i>compliance documentation</i> relevant to implement a traffic management plans 1.2. Obtain, confirm and apply <i>work instructions</i> relevant to the allotted task 1.3. Obtain, confirm and apply <i>safety requirements</i> from the site safety plan and organisational policies and procedures to the allotted task 1.4. Identify, obtain and implement <i>signage and devices</i> requirements from the project traffic management plan 1.5. Select <i>tools and equipment</i> to carry out tasks that are consistent with the requirements of the job, check them for serviceability and rectify or report any faults 1.6. Identify, confirm and apply <i>environmental</i> protection requirements from the project environmental management plan to the allotted task 1.7. Check the designated traffic controllers' training and qualifications for currency as per legislation 1.8. Advise traffic controllers of the traffic flow requirements for the site
2. Set out the traffic guidance scheme	2.1. Select traffic guidance scheme to suit site <i>conditions</i> , traffic volumes and work activities 2.2. Determine and ensure adherence to work schedule, maximum traffic delays, signals and site <i>communications</i> 2.3. Ensure signs and devices are correctly positioned on the approaches to the work area in accordance with the traffic management plan 2.4. Ensure that signs and devices are positioned and displayed on each approach according to Road Authority requirements and the traffic management plan 2.5. Ensure signs and devices are positioned

	<p>laterally and displayed in accordance with Road Authority requirements</p> <p>2.6.Ensure traffic is controlled effectively to protect the work crew placing traffic control devices around the work area</p>
3. Monitor traffic guidance scheme	<p>3.1.Ensure traffic flow is monitored and effectiveness of guidance scheme determined</p> <p>3.2.Monitor work activities and provide guidance to adjust scheme</p> <p>3.3.Apply process for dealing with traffic controllers when they fail to adhere to the approved procedures</p> <p>3.4.Apply procedures to deal with offending motorists</p>
4. Close down traffic guidance scheme	<p>4.1.Ensure traffic is controlled to protect work crew removing traffic control devices from the work area</p> <p>4.2.Ensure signs are removed in sequence to provide maximum warning during removal of traffic control devices</p> <p>4.3.Ensure guidance scheme details are recorded to organisational and or Road Authority requirements</p> <p>4.4.Ensure incidents are reported as required by the organisation and/or Road Authority</p>
5. Clean up	<p>5.1.Ensure work area is cleared in accordance with the project environmental management plan</p> <p>5.2.Ensure tools and equipment are cleaned, checked, maintained and stored in accordance with manufacturers' recommendations and standard work practices</p>

Required Skills and Knowledge

This section describes the skills and knowledge required for this unit.

Required skills

Specific skills are required to achieve the performance criteria in this unit, particularly for the application in the various circumstances in which this unit may be applied. This includes the ability to carry out the following as required to implement a traffic management plan:

- apply legislative, organisation and site requirements and procedures

Required knowledge

Specific knowledge is required to achieve the Performance Criteria of this unit, particularly its application in a variety of circumstances in which the unit may be used. This includes knowledge of the following, as required to implement a traffic management plan:

- site and equipment safety requirements
- state and territory traffic management legislation
- requirements set down by the Manual for Uniform Traffic Control Devices
- potential hazards
- traffic controlling
- traffic management plans
- basic signalling
- signs and devices
- radio operations
- equipment types, characteristics, technical capabilities and limitations
- operational, maintenance and basic diagnostic procedures
- site isolation and traffic control responsibilities and authorities
- processes for the calculation of travel speed
- quality requirements
- civil construction terminology
- JSAs/Safe work method statement

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	<p>The evidence required to demonstrate competency in this unit must be relevant to worksite operations and satisfy all of the requirements of the performance criteria, required skills and knowledge and the range statement of this unit and include evidence of the following:</p> <ul style="list-style-type: none"> • knowledge of the requirements, procedures and instructions for implementing of traffic management plans • implementation of requirements, procedures and techniques for the safe, effective and efficient implementing of traffic management plans, which are to include: <ul style="list-style-type: none"> • complying with State/Territory regulations on three separate live traffic projects, and • one project controlling site construction vehicles • working with others to undertake and complete the traffic management plans that meet all of the required outcomes • consistent timely implementation of traffic management plans that safely, effectively and efficiently meets the required outcomes
Context of and specific resources for assessment	<ul style="list-style-type: none"> • This unit must be assessed in the context of the 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 workplace performance, including task skills, task management skills, contingency management skills and job role environment skills. • The assessment environment should not disadvantage the participant. For example, language, literacy and numeracy demands of assessment should not be greater than those required on the job.

	<ul style="list-style-type: none"> • Customisation of assessment and delivery environment to sensitively accommodate cultural diversity. • Aboriginal people and other people from a non English speaking background may have second language issues. • Assessment of this competency requires typical resources normally used in the work environment. Selection and use of resources for particular worksites may differ due to site circumstances. • Where applicable, physical resources should include equipment modified for people with disabilities. • Access must be provided to appropriate learning and/or assessment support when required.
Method of assessment	<p>This unit may be assessed in a holistic way with other units of competency. The assessment strategy for this unit must verify required knowledge and skill and practical application using more than one of the following assessment methods:</p> <ul style="list-style-type: none"> • written and/or oral assessment of the candidate's required knowledge • observed, documented and/or first hand testimonial evidence of the candidate's: <ul style="list-style-type: none"> • implementation of appropriate requirement, procedures and techniques for the safe, effective and efficient achievement of required outcomes • consistently achieving the required outcomes • first hand testimonial evidence of the candidate's: <ul style="list-style-type: none"> • working with others to implement traffic management plans
Guidance information for assessment	<p>Consult the SkillsDMC User Guide for further information on assessment including access and equity issues.</p>

Range Statement

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

<p>Relevant compliance documentation may include:</p>	<ul style="list-style-type: none"> • legislative, organisation and site requirements and procedures • manufacturer's guidelines and specifications • Australian standards • code of practice • Employment and workplace relations legislation • Equal Employment Opportunity and Disability Discrimination legislation
<p>Work instructions may be received via verbal or written and graphical instructions, signage, work schedules/plans/specifications, work bulletins, charts and hand drawings, memos, maps, materials safety data sheets (MSDS) and diagrams or sketches and may include:</p>	<ul style="list-style-type: none"> • specifications • quality requirements • operational details • safe work procedures or equivalent • regulatory/legislative requirements • manufacturers' specifications and instructions • organisation work specifications and requirements • instructions issued by authorised organisational or external personnel • relevant Australian standards
<p>Safety requirements may include:</p>	<ul style="list-style-type: none"> • those included in compliance documentation • personal protective equipment • safe operating procedures, including recognising and preventing hazards associated with: <ul style="list-style-type: none"> • uneven/unstable terrain • trees • pits • poles • trip hazards • dirt mounds • overhead services • underground services

	<ul style="list-style-type: none"> • bridges • surrounding buildings • obstructions • structures • facilities • fires • excavations • traffic • embankments • cuttings • hazardous materials • recently filled trenches • other machines • personnel • restricted access barriers • traffic control • working in proximity to others • worksite visitors and the public • safe parking practices, including: <ul style="list-style-type: none"> • ensuring access ways are clear • equipment/machinery is away from overhangs and refuelling sites • safe distance from excavations • secured from unauthorised access or movement • emergency procedures
Signage and devices are to include	<ul style="list-style-type: none"> • temporary warning signs • regulatory and traffic cones
Signage and devices may include:	<ul style="list-style-type: none"> • vehicle mounted signs and flashing lights • guide signs • warning signs • barriers • hazard markers • portable traffic signals • bollards • arrow boards
Tools and equipment are to include:	<ul style="list-style-type: none"> • high visibility vests • cones • signage • notebooks

	<ul style="list-style-type: none"> • pens • radios • stop-slow bats • delineators • barricades • barriers • bollards • warning lights and beacons • arrow boards • signalling devices
Environmental include the requirements of the organisational/project environmental management plan, and may include:	<ul style="list-style-type: none"> • waste management • water quality protection • noise, vibration, dust management • clean-up management
Conditions may include:	<ul style="list-style-type: none"> • varying terrain • all weather conditions • varying road surfaces • all vehicle types • rural, urban or residential localities • all times of day • varying traffic volumes • varying road types • congested urban environments • low traffic rural areas • off-road un-trafficked areas • buildings • parking sites • pedestrian areas • civil construction site • road where civil construction work is conducted
Communications is to include:	<ul style="list-style-type: none"> • verbal instructions • fault reporting
Communications may include:	<ul style="list-style-type: none"> • 2-way radio • hand signals • mobile phone • site specific instructions • written instructions • instructions related to job/task

Unit Sector(s)

Occupational Health and Safety

Competency field

Refer to Unit Sector(s).

Co-requisite units

Not applicable.