



Australian Government

RIIWHS207 Control traffic on high volume roads

Release: 1

RIIWS207 Control traffic on high volume roads

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 control vehicle and pedestrian traffic using portable traffic control devices, stop-slow bats, hand signals and approved communication devices on high volume roads and signalised intersections.

It applies to those working in operational roles. They generally work in teams in live traffic environments under some degree of supervision. This unit applies to temporary traffic management on roads that include the following characteristics, excluding motorways and freeways:

- speeds limits greater than or equal to 60km/h and traffic volumes greater than or equal to 3,000 vehicles per day (Average Annual Daily Traffic (AADT)); or
- any speed limit with traffic volumes greater than or equal to 10,000 vehicles per day (AADT); or
- any signalised intersection.

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.

Pre-requisite Unit

RIIWS205E Control traffic with stop-slow bat

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>

ELEMENT	PERFORMANCE CRITERIA
1. Prepare to control traffic	1.1 Access, interpret and confirm work instructions and plan work 1.2 Access, interpret and apply required workplace policies, procedures, jurisdictional safety and environmental protection requirements 1.3 Select and wear personal protective equipment required for work activities 1.4 Obtain and interpret site emergency procedures and identify steps required to response to accidents and emergencies 1.5 Select tools and equipment, check for serviceability and rectify faults and report as required
2. Control traffic and operate communication devices	2.1 Confirm required signs and devices are positioned and installed according to traffic guidance scheme, and report issues as required 2.2 Configure approved communication devices according to site requirements 2.3 Direct traffic using hand held stop-slow bat and visibly clear and unobstructed hand signals according to site requirements 2.4 Monitor traffic, adjust for changing traffic conditions and position waiting vehicles according to site requirements 2.5 Communicate messages to other personnel, confirm recipient understanding and clarify according to site requirements 2.6 Check and perform minor maintenance on approved communication devices according to manufacturer specifications and site requirements 2.7 Check and confirm communications contact after nominated period of non-contact 2.8 Report traffic offenders according to site requirements
3. Control traffic at traffic signals where signals have been turned off	3.1 Implement work procedures to commence controlling traffic and all other road users when signals have been switched off and back on 3.2 Carry out communication and coordination procedures provided to all traffic controllers on site
4. Control traffic on high volume roads	4.1 Identify and confirm that escape path is not blocked 4.2 Control single lane of traffic on a high-volume, multilane road according to traffic management plan 4.3 Identify and report traffic controller resourcing requirements
5. Conduct housekeeping activities	5.1 If authorised, remove signs and devices according to job requirements and cover as required 5.2 Clean, check and store tools and equipment according to manufacturer specifications and site requirements 5.3 Report environmental damage and potential for future damage 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
Numeracy	• Applies mathematical problem solving processes, including addition, subtraction, multiplication and division
Oral communication	• Listens to instructions for work procedures and asks questions to clarify and confirm
Reading	• Identifies and interprets information from workplace procedures and documentation
Technology	• Utilises common digital systems and tools and operates them according to work requirements
Writing	• Produces and completes workplace reports using sector-specific vocabulary, grammatical structures and conventions

Unit Mapping Information

New unit

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 RIIWHS207 Control traffic on high volume roads

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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:

- control traffic on high volume roads and signalised intersections on at least two occasions, including:
 - completing at least one of the following:
 - controlling traffic on roads with posted speed limits greater than or equal to 60km/h including:
 - assessing traffic flow and the interaction between all road users, including the impact of queues in traffic, traffic speeds, traffic volume, traffic delays and merging behaviour of drivers
 - identifying and reporting issues with traffic flow and interaction between road users to the traffic management implementer
 - controlling traffic at signalised intersections where traffic signals have been turned off
 - interpreting traffic control elements within the traffic guidance schemes for works on high volume roads and signalised intersections
 - completing at least one of the following:
 - working with a pilot vehicle, including:
 - managing the speed and travel path of a driver through the work site
 - identifying and reporting when part of the length of the work site is out of view of the supervisor, work gang and traffic controller
 - directing traffic on high volume, multilane roads with one traffic controller per lane
 - directing pedestrian traffic, including at least one of the following road users:
 - pedestrians with mobility issues
 - pedestrians with prams
 - cyclists
 - using approved communication devices to transmit message and report traffic offenders, including the use of at least one of the following devices:

- hand held radio
- mobile phone.

During the above, the candidate must:

- locate and apply required documentation, policies and procedures
- participate in risk assessment and management processes
- identify risks, hazards and required controls
- complete at least one incident report from the below list and seek feedback on the outcome:
 - client
 - public
 - traffic control.

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 control traffic on high volume roads and signalised intersections
- policies, procedures and documentation required to control traffic on high volume roads and signalised intersections, including those relating to:
 - Austroads Guide to Temporary Traffic Management
 - risk assessment processes and hierarchy of control
 - work instructions and procedures for planning work
 - work health and safety
 - environmental protection requirements
 - site incident and emergency procedures
 - site and equipment safety requirements
 - operational and maintenance procedures for equipment
 - site isolation and traffic control responsibilities and authorities
 - safe work method statements (SWMS)
 - communication techniques and equipment
 - site requirements
 - manufacturer specifications for required plant and equipment
 - traffic management plans
 - traffic controller resourcing
 - workplace recording and reporting
- traffic control requirements and procedures for directing traffic:
 - on roads with speed limits greater than or equal to 60km/h and greater than 3,000 vehicles per day (Average Annual Daily Traffic (AADT))
 - on roads with any speed limit and greater than 10,000 vehicles per day (AADT)

- at signalised intersections, including where traffic signals have been turned off
- on high volume, multilane roads
- for vulnerable road users, including:
 - pedestrians with mobility issues
 - pedestrians with prams
 - cyclists
- traffic guidance scheme and traffic management plan compliance relating to traffic controllers
- communication device operations, including:
 - hand held radios
 - mobile phones
- traffic control equipment types, characteristics, technical capabilities and limitations
- the effects of travel speed and vehicle mass on stopping distances.

Assessment Conditions

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

- include access to:
 - stop-slow bat
 - personal protective equipment
 - handheld radio or mobile phone when permitted
- be conducted in a safe environment; and
- be assessed in the context of this sector's work environment on a real live road setting under supervision, including evidence in at least one of the forms that this has occurred on at least three different temporary traffic management set ups:
 - dash cam footage
 - photos
 - verbal interviews
 - logbooks
 - completed job packs
- 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
- 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 competency 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 a high level of RII training product knowledge
- having an understanding and knowledge of legislations and regulations relevant to the industry and to employment and workplaces
- demonstrating the performance evidence, and knowledge evidence as 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 hold the relevant vocational competencies and have current industry skills directly relevant to the training and assessment being provided and must work alongside a trainer and/or assessor to conduct the assessment. This means the industry subject matter expert should hold the unit being assessed (or an equivalent unit), and must also 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 Construction	1	1 year
	2	2 years
Drilling, Coal Mining and Extractive (Quarrying), Metalliferous Mining and Civil Construction	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.

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