Traffic Control Training

TRAINING COURSE OVERVIEW AS OF 1 JULY 2017

	Traffic Controller	Implement Traffic Control Plans	Prepare a Work Zone Traffic Management Plan
Description	This course provides training for personnel who are required to control traffic with a Stop/Slow bat. This course does not qualify a participant to set up or work with traffic control plans. This program is a good entry point for those wishing to establish themselves into the traffic control/management industry All training and assessment is carried out by RMS Approved Training Providers and qualified RMS Approved trainer/assessors.	This course provides training for personnel who are required to set up and work with Traffic Control Guidance Schemes/Traffic Control Plans at a work site. This course does not qualify a participant to control traffic with a Stop/Slow bat, or to modify existing traffic control plans. This program is suited to those who have Traffic Controller experience and wish to further their career within the traffic control/management industry All training and assessment is carried out by RMS Approved Training Providers and qualified RMS Approved trainer/assessors.	This course provides training for personnel who are required to design new traffic management plans and TCGS/TCP's for road works, produce major upgrades of standard plans and/or inspect traffic control plans on road construction sites. This course does not qualify a participant to control traffic with a Stop/Slow bat or set up work with traffic control plans. This program is suited to experienced traffic control/management operators All training and assessment is carried out by RMS Approved Training Providers and qualified RMS Approved trainer/assessors.
Learning Outcomes	• Stop/direct road users using a stop/slow bat and understand stopping sight distances • Maintain traffic incident reports • Understand the Traffic Control Guidance Schemes (TCGSs) also known as Traffic Control Plan (TCPs) for the site • Assess and respond to changes in the environment, for example traffic volumes, weather conditions, road conditions, Work Health and Safety (WHS) and operational requirements • Carry out risk assessments for personal safety • Participate in toolbox talks (specific to traffic control) • Use communication methods and devices • Conform to traffic control policy and procedures	• Identify safety implications of traffic control at road works and personal responsibilities. • Set up, Monitor and Close down traffic control devices according to a nominated TCGS/TCP, to WHS and legislative requirements. • Operate a two-way radio correctly and effectively. • Check, clean and store equipment on completion of work and close down a TCGS/TCP. • Select a TCGS/TCP to suit site conditions, traffic volumes and work activities, and adjust a to suit the specific road environment (see additional notes) • Know the basic function of the TCGS/TCP system • Adapt to all Work Health and Safety (WHS) and operational requirements • Use the site/location assessment, distinguish topographical landmarks and carry out authorised risk control • Conduct an onsite check of a TCGS/TCP to identify any unexpected risks/hazards • Plan for emergencies that may arise • Ensure spacing between signs and traffic control devices is in line with a TCGS/TCP • Understand speed, environment, type and class of vehicles, traffic density, sight lines, environmental conditions,	• Prepare a Work Zone Traffic Management Plan (TMP). • Collect all required information about a given roadwork project to enable the preparation of a TCGS/TCP. • Design a TCGS/TCP, based on risk assessment, statutory and regulatory requirements, standards, road authority requirements and project brief. • Select and modify a TCGS/TCP based on risk assessment, statutory and regulatory requirements, standards, road authority requirements and project brief. • Draw up a TCGS/TCP to recognise other graphical representations such as pedestrian movement plans, vehicle movement plans, and notification of authorities. • Determine the recommended spacing between signs and traffic control devices in line with standards; measure width of trafficable surface; calculate edge clearances to barriers, cones and clearance to work personnel. • Incorporate Environmental Management Plans • Conduct an onsite check and inspection of the plan and to identify any unexpected hazards/risks. • Identify approvals required; identify approval agencies, types of approvals for roadway access, railway reserve access, authority to install signs on roads, variation to standards.

		weather patterns and surface type • Maintain traffic incident reports • Monitor traffic controllers	• Understand speed, environment, type and class of vehicles, traffic density, sight lines, environmental condition, weather patterns and surface type. • Monitor and interpret control systems to apply to the drawing, selection and design. • Use approved methods and follow recognised local legislation. • Use the site/location assessment, distinguish topographical landmarks and carry out authorised risk control • Collate traffic volume data, type and class of vehicles • Determine lane capacity, road network performance and lane closure restrictions • Identify impacts from any concurrent or adjacent works • Identify times and dates of any planned public events that may result in increased or redistributed traffic patterns • Identify affected stakeholders and type of notification required and prepare notifications • Calculate costings for TMP development and implementation
Units of Competency	RIIWHS201D Work safely and follow WHS policies and work procedures RIICOM201D Communicate in the workplace RIIWHS205D Control traffic with a stop/slow bat	RIIWHS201D Work safely and follow WHS policies and work procedures RIICOM201D Communicate in the workplace RIIWHS302D Implement traffic management plan	RIIWHS201D Work safely and follow WHS policies and work procedures RIIRIS301D Apply risk management processes RIIGOV401D Apply, monitor and report on compliance systems RIICWD503D Prepare work zone traffic management plan
Recommended Target Audience	• Field Staff	• Field Staff • Team leaders	• Works Supervisors • Surveillance Officers • Road Safety Auditors • Project Managers
Course pre Requisites	Currently there are no pre requisites	Currently there are no pre requisites It is recommended that you have experience in Traffic Control	There are no training package pre-requisites for these units of competency, although RMS has set minimum course pre requisites to obtain a photocard in NSW, see below Participants who hold one of the following • Current 'Apply Traffic Control Plans' photocard • Current 'Implement Traffic Control Plans' photocard (full qualification) • Current 'Select and Modify Traffic Control Plans' photocard • Current 'Design and Inspect Traffic Control Plans' photocard • (Equivalent qualifications from other jurisdictions) Or For those who do not hold formal Traffic Control/Management qualifications such as engineers and project managers and they wish to complete the course, they will be eligible if, they hold a tertiary qualification that is relative to the road construction, civil construction or engineering. This must be determined upon enrolment and a thorough training needs analysis (TNA) is required

Course Timing	Generally course timing will be based on the individual and or group. 1 (one) full day of training is a minimum for new entrants into the industry who have never held this qualification, to include classroom theory and simulated practical training.	Generally course timing will be based on the individual and or group. 1 (one) full day of training is a minimum for those who have never undertaken these activities prior and have never held this qualification, to include classroom theory and simulated practical training.	Generally course timing will be based on the individual and or group, although RMS stipulates a minimum of 3 (three) full days of training (excludes additional time for post work project assessments)
Training	Training will include; • Classroom activities • Theory questionnaires and group activities • Minimum practical traffic control simulation using full scale devices and vehicles in controlled and safe environments	Training will include; • Classroom activities • Theory questionnaires and group activities • Minimum practical implementation, monitoring and removing TCGS/TCP's simulation using full scale devices and vehicles in controlled and safe environments	Training will include • Classroom activities • Theory questionnaires and group activities. • Use of regulatory and statutory manuals and documents • Project management that includes case studies and document preparation • Use of TCP/TCGS development software
Assessment Requirements	Assessments are to be completed as per the RII Resources and Infrastructure training package requirements, whereby all units of competency must be assessed on the job on a minimum of 2 (two) separate occasions (in the context of traffic control at worksites) Assessments will include • Theory questionnaires and activities • On the job practical application and observation (by an RMS approved trainer/assessor) • Provision of workplace samples and documentation	Assessments are to be completed as per the RII Resources and Infrastructure training package requirements, whereby all units of competency must be assessed on the job via 3 (three) separate live projects (in the context of traffic control at worksites) Assessments will include • Theory questionnaires and activities • On the job practical application and observation (by an RMS approved trainer/assessor) • Provision of workplace samples and documentation	Assessments are to be completed as per the RII Resources and Infrastructure training package requirements, whereby all units of competency must be assessed by qualified assessors (in the context of traffic control at worksites) Assessments will include • Theory questionnaires and activities • Practical activities and observation (by an RMS approved trainer/assessor) • Development of TCGS/TCP's • Development of 2 (two) Traffic Management Plan projects • Provision of workplace samples and documentation
Language Literacy and Numeracy (LLN)	Language, Literacy and Numeracy levels have been mapped for each course in an effort to demonstrate the minimum levels that are required to complete training. In addition the mapping exercise also identifies levels that may be required in the workplace, below is a sample of LLN levels. LLN level equal to or above the following: READING: Level 2 Ability to read appropriate signage for the tasks required and understands clear consistent formats that are written in simple sentences Interpret instructions and information from notices, forms and other forms of written instructions WRITING: Level 2 Writes short texts with simple structures. Fills in details on simple forms and can complete workplace checklists Records simple and routine information ORAL COMMUNICATION: Level 2	Language, Literacy and Numeracy levels have been mapped for each course in an effort to demonstrate the minimum levels that are required to complete training. In addition the mapping exercise also identifies levels that may be required in the workplace, below is a sample of LLN levels. LLN level equal to or above the following: READING: Level 2-3 Ability to read appropriate signage for the tasks required and can read and interpret traffic control plans that include specialised symbols WRITING: Level 2-3 Writes clear sequenced instructions for using routine/everyday activities. Records simple and routine information from a telephone message Can write tasks to be completed by other staff. Completes a range of forms requiring routine and factual data, e/g/ WHS records, inspection reports and checklists.	Language, Literacy and Numeracy levels have been mapped for each course in an effort to demonstrate the minimum levels that are required to complete training. In addition the mapping exercise also identifies levels that may be required in the workplace, below is a sample of LLN levels. LLN level equal to or above the following: READING: Level 4-5 Ability to read and understand highly complex information and can reflect on the explicit and implied purpose of the text and its potential impact Reviews relevant national, state and local legislation and regulations relevant to the job role Identifies and extracts relevant information from complex diagrams, graphs and charts. Identifies critical information from a plan and can translate and convey concepts and ideas. Analyses and evaluates the validity of information sources and make recommendations. Understands specialised vocabulary and acronyms relevant to own fields of expertise and interest

	Asks simple questions and makes statements with reasonable effectiveness where this involves short utterances and highly familiar content. Can use a range of nonverbal communication support such as gestures and facial expressions to express meaning. Can describe a routine task, using workplace specific vocabulary as appropriate supported by body language. Communicates using radio equipment, e.g. to report to base on a location or field emergency NUMERACY: Level 2 Locates and recognises simple, everyday mathematical information in highly familiar short and simple oral and or written materials. Ability to calculate braking distances and speed of oncoming traffic Follows simple instructions and can measure content, time and distance	ORAL COMMUNICATION: Level 2-3 Demonstrates language use appropriate to some different interactional purposes, e.g. gives and opinion or explanation, makes and enquiry or seeks clarification. Can identify key information relevant to an exchange. Can explain routine procedures and give clear sequenced instructions to others. Follows directions to perform a sequence of tasks and listens for specific information in a formal workplace meeting. Asks questions to clarify and confirm instructions. Listens to clear, sequenced instructions of several steps and asks clarifying questions as required. Communicates using radio equipment, e.g. to report to base on a location or field emergency. NUMERACY: Level 2-3 Interprets and comprehends a range of everyday mathematical information that is embedded in familiar and routine texts. Can interpret and familiar and routine maps and plans. Uses appropriate technological devices to measure, estimate and calculate length/distance. Selects and uses appropriate tools and hand held device. e.g. uses tape measure to measure. Problem solving processes using developing estimation, and other assessment skills. Ability to calculate braking distances and speed of oncoming traffic.	WRITING: Level 4-5 Ability to write and organise content in a manner that supports the purposes and format of what is required. Can demonstrate sophisticated control of a broad range of text types. Writes a technical/design brief or a complex work instruction based on client or stakeholder requirement Prepares data for team or stakeholder using graphs Writes clear and detailed instructions organised sequentially to be completed. Compiles reports with input from a range of sources. Understands and uses appropriate specialised vocabulary in a variety of situations ORAL COMMUNICATION: Level 4-5 Engages in complex oral negotiations, such as exploring issues, problem solving, reconciling points of view or bargaining. Determines clients or stakeholder requirements to inform a design or technical brief. Actively participates in workplace meetings. Listens to a set of instructions detailing changes to work processes and notes key changes and the reasons for the changes. Sequences complex technical instructions to ensure understanding, including pitfalls to be avoided when training others to use equipment. Interacts effectively with members of the public to identify and remedy problems. NUMERACY: Level 4-5 Ability to draw upon mathematical knowledge and experience, diagrammatic, symbolic and other mathematical processes. Can extract, interpret and comprehend detailed maps and plans. Uses and applies relevant ratio, rates and proportions e.g. scales on maps and plans. Uses developed estimating and assessment skills to check the outcomes and decide on the appropriate degree of accuracy required. Selects and flexibly uses a range of specialised tools, hand held devices, computers and technological processes. LEARNING: Level 4-5 Ability to draw selectively on experience to adapt past learning to new circumstances Draws on a repertoire of strategies to clarify and extend understanding Develops and trials own approaches to a task when templates and guides are not available Actively seeks feedback from others as a way of improving performance, e.g. approaches peers, manager or customers Attempts complex tasks/activities requiring sophisticated

			conceptualisation and analysis that may be carried out over an extended period of time, e.g. major projects requiring research and recommendations Draws on prior knowledge to assess, and where required renegotiate, the nature and scope of what has to be done Develops a brief for a complex project that includes several staff with different skills Uses software options to organise and present complex information Uses highly developed formatting, drafting and editing skills to refine thinking and clarify a message for others

Additional Notes

Implement Traffic Control Plans

RMS has recently added the following task to this qualification
'Select traffic guidance scheme to suit site conditions, traffic volumes and work activities'
This is based on the performance criteria 2.1 from the RIIWHS302D unit of competency

There are strict provisions placed on this ability, see below
Minimum Conditions

- Must be selected from approved TCP/TCGS signed off by qualified persons (persons who hold current '*Design and Inspect Traffic Control Plans'* or '*Prepare a Work zone Traffic Management Plan'*)
- Blank TCP/TCGS cannot be selected from the TCAWS manual and used (unless approved and signed off by qualified persons)
- Approved TCP/TCGS must be current (within the past 6-12months)
- No modifications can be made by the implementer (modifications can only be completed by a qualified person)
- Implementers will be able to make minor adjustments as per A.S 4.1.6 and Traffic Control at Worksites manual section 3.5.8 '*Tolerances on positioning signs and devices'*
- A risk assessment must be undertaken on each occasion as per general standards
- This change can only be applied for qualifications achieved post 1/7/2015
- Holders of the old 'Apply Traffic Control Plans' who wish to be able to undertake this additional task will need to upgrade to the new 'Implement Traffic Control Plans' qualification