

PRE-QUALIFICATION SCHEME

TRAFFIC MANAGEMENT SERVICES (Contractor) GROUP

- Categories and levels
- Eligibility Criteria

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Department
of Transport
and Planning



TRAFFIC MANAGEMENT SERVICES GROUP			
Category	LEVELS	ABBREV	ELIGIBILITY CRITERIA - PAGE
Traffic Control Systems Installation & Maintenance	Communications	SCTV	3
	Traffic Control Equipment 1	STCE1	4
	Traffic Control Equipment 2 <i>(also STCE1 by default)</i>	STCE2	4
	Traffic Signals Installation	STS1	5
	Traffic Signals Maintenance <i>(also STS1 by default)</i>	STS2	5
	Vehicle Detection Loops	SVDL	5
	Supply of On-road Electronic Devices	SOED	6

Group:	TRAFFIC MANAGEMENT SERVICES (Contract)
Category:	<p>TRAFFIC CONTROL SYSTEMS INSTALLATION & MAINTENANCE</p> <p>This category of pre-qualification incorporates works associated with the installation and maintenance of traffic control systems including ITS devices and public lighting. It also incorporates the supply of on-road electronic devices.</p> <p>All pre-qualified contractors in this category will be required to participate in regular reviews of performance in relation to the performance assessment criteria for Traffic Management Services suppliers.</p> <p><u>Standard Eligibility Criteria</u></p> <p><i>To be eligible a Company must demonstrate that:</i></p> <p>(a) Personnel</p> <ul style="list-style-type: none"> • Experienced in the specific area of competency described for the pre-qualification level. • # Engaged in carrying out electrical works are licensed in accordance with Energy Safe Victoria requirements. (<i># Not applicable to the SVDL level</i>). • # Engaged in carrying out communications works are licensed in accordance with Australian Communications & Media Authority (ACMA) requirements. (<i># Not applicable to the SVDL level</i>). <p>Note: Experienced in the specific area of competency, also referred to in this document as 'relevant field experience' is defined as having worked 'in the field', 'on the tools', as an electrician/technician, within the area of competency applied for, for the minimum number of years specified. Evidence must be provided that each nominated employee has spent a minimum of 90% of their time in the field working as an electrician or technician in the nominated area of competency. Experience must be obtained while working for a company that holds current pre-qualification in the relevant category.</p> <p>(b) the Company</p> <ul style="list-style-type: none"> • Previous relevant experience and satisfactory performance in the specific area of competency described in the pre-qualification level and as otherwise specified. • * Maintain a secure, suitable size lockable depot in Victoria for the purpose of storing goods and equipment relevant to the works. • * Maintain a manned office, storage, and workshop facilities in Victoria (staff of the company and not a third party) that is serviced during business hours for the purpose of receiving and relaying works instructions. • * Maintain on-call, at all times, supporting personnel and facilities to effect installation, maintenance and repair works in the area of competency. • * Operate a minimum number, as nominated by the level, of suitable vehicles that are equipped to readily undertake regular work activities associated with the area of competency and are fitted with flashing amber lights. • Maintain a communication system which enables direct communication between the company base, field personnel and VicRoads. • Management systems (Quality, Environmental *, OH&S *) certified and meeting Department of Transport and Planning (DTP) requirements. • Evidence that the company has a Victorian Work Cover insurance policy. • Evidence of the relevant qualifications and licences (ACMA, A-Grade etc.) as described in the pre-qualification levels and as otherwise specified. <p>* Not required for SOED level.</p>
Levels:	<p>Communications (SCTV)</p> <p>Area of Competency: This level of pre-qualification requires competency in the installation and maintenance works associated with DTP CCTV camera network system, CCTV transmission equipment</p>

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and CCTV Distribution & Termination Cabins. For CCTV works attached to traffic signals, the company must also hold STS1 pre-qualification.

This includes:

- communication, electrical and associated civil works.
- video, SCTV electrical and communication conduit and cabling works.
- Freeway Help Phones and related distribution & termination equipment (hardwired only).

To be eligible a Company must demonstrate:

- The standard eligibility criteria as above.
- The availability of an electronic workshop capable of completing minor electronic repairs.
- Maintain for the nominated work area, a minimum of two permanent full-time employees that are licensed in accordance with Australian Communications & Media Authority (ACMA) requirements. Such personnel shall be based at the company's office/depot.
- One of the above permanent full time employees shall be a holder of an Electrician's Licence.
- Ensure each of the above employees has a minimum three years (within the last six years) relevant field experience within SCTV area of competency.
- Operate for the nominated work area, a minimum number of two suitable vehicles.

Traffic Control Equipment (STCE1 & STCE2)

This level of pre-qualification requires competency in the installation and maintenance works associated with DTP On-Road Electrical Devices, VicRoads Incident Management System devices and Specialist On-Road ITS Devices. It is divided in three sublevels STCE1 and STCE2. The area of competency for each sublevel is listed below.

STCE1 - Public Lighting and Basic Electrical Works

Area of Competency:

This level of pre-qualification requires competency in the installation and maintenance works associated with:

- Public Lighting, installation, and maintenance works.
- Installation of electrical and communication conduit and pit works.

STCE2 – Other On-Road Electrical ITS Devices (also STCE1 by default)

Area of Competency:

This level of pre-qualification requires competency in the installation and maintenance works associated with on-road electrical devices such as:

- Freeway Data Stations.
- TIRTL Data Stations.
- Freeway Help Phones and related distribution & termination equipment (mobile network only).
- Drive Time signs (eg. Trip Condition, Trip Information, Freeway Condition).
- Electronic speed limit signs.
- Other Electronic Signs (eg. Ramp Control, Variable Message, Hazard Warning, Advance Warning,
- Over Height Vehicle Detection System.
- Bluetooth Data Stations.
- Ice Warning Systems.
- Related transmission equipment for Traffic Control Equipment.

For STCE2 works attached to traffic signals, the company must also hold STS1 pre-qualification.

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To be eligible a Company must demonstrate:

- The standard eligibility criteria as above.
- Maintain for the nominated work area, a minimum of two permanent full-time employees that are holders of an Electrician’s Licence. Such personnel shall be based at the company’s office/depot.
- Ensure each of the above employees has a minimum three years (within the last six years) relevant field experience within the area of competency.
- Operate for the nominated work area, a minimum number of two suitable vehicles.

STCE2 pre-qualification may be granted for one specific device, several devices, or all devices, based on the level of experienced demonstrated.

Traffic Signals (STS1 & STS2)

Area of Competency:

This level of pre-qualification is divided into two sublevels STS1 & STS2 and requires competency in the installation and maintenance works associated with:

- Traffic Signals including Freeway Ramp Metering, Flashing Pedestrian Crossings, Overhead Lane Control and Roundabout Metering Signals.
- Direct driven peripheral electronic signage.

This includes:

- Communication, electrical and civil works.
- Traffic Signal electrical and communication conduit and cabling works.
- Above ground detector installation and configuration (vehicle and pedestrian).

To be eligible a Company must demonstrate:

- The standard eligibility criteria as above.
- Demonstrated knowledge and experience in Traffic Signal installation related works, this maybe by providing evidence of training and/or any other acceptable evidence.
- Each nominated employee has successfully undertaken a traffic signal controller training session, with at least one controller manufacturer, at least once during the previous three years or since the last prequalification review.

STS1 - Installation

- Maintain for the nominated work area a minimum number of two permanent full-time employees that are holders of an Electrician’s Licence and two permanent full time trades’ assistants. Such personnel shall be based at the company’s office/depot.
- Ensure each of the above employees has a minimum four years (within the last six years) relevant field experience within the area of competency.
- Operate for the nominated work area and/or the number of traffic signal sites, a minimum number of two suitable vehicles.

STS2 – Maintenance (also STS1 by default)

- Maintain for the nominated work area and/or the number of traffic signal sites, a **minimum number*** of permanent full-time employees that are holders of an Electrician’s Licence. Such personnel shall be based at the company’s office/depot.
- Ensure each of the above employees has a minimum four years (within the last six years) relevant field experience within the area of competency.
- Each nominated employee must demonstrate experience in routine and non-routine maintenance activities. This shall include fault attendances during business hours and after hours, undertaking fault finding, fault rectification.
- Operate for the nominated work area and/or the number of traffic signal sites, a **minimum number*** of suitable vehicles.

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	<p>* Minimum Number Melbourne Metropolitan Work Area - minimum number is four. Rural Work Areas - up to 100 Traffic Signal Sites - minimum number is one plus Backup. Rural Work Areas - 101- 200 Traffic Signal Sites - minimum number is two. Rural Work Areas - > 200 Traffic Signal Sites - minimum number is four.</p>
	<p style="text-align: center;">Vehicle Detection Loops (SVDL)</p> <p>Area of Competency: *This level of pre-qualification requires competency in the installation (saw cutting, core drilling, laying cables and resealing, etc.) of a range of vehicle detection loops, other in-pavement vehicle detection equipment, and electronic illuminated pavement markers associated with:</p> <ul style="list-style-type: none"> • Traffic Signals. • Freeway Data Stations. • Lane delineation and other road pavement marking. <p>This includes:</p> <ul style="list-style-type: none"> • Installation of SVDL communication cabling, conduit, and associated civil works. • Installation of inductive vehicle loop detectors, wireless vehicle detectors or other in pavement detection devices and associated cabling, pavement cutting/coring, and sealing. • Installation of internally illuminated pavement markers, and associated cabling, pavement cutting / coring, and sealing. <p>To be eligible a Company must demonstrate:</p> <ul style="list-style-type: none"> • The standard eligibility criteria as above, except for items shown #. • Employ a minimum of two permanent full-time employees that have relevant experience in the area of competency. Such personnel shall be based at the company's office/depot. • Ensure each of the above employees has a minimum three years (within the last six years) relevant field experience within the area of competency. • Operate for the nominated work area, a minimum number* of suitable vehicles. <p>* Minimum Number Melbourne Metropolitan Work Area - minimum number is two. Rural Work Areas - minimum number is one.</p>
	<p style="text-align: center;">Supply Of On-Road Electronic Devices (SOED)</p> <p>Area of Competency: This level of pre-qualification requires competency in the manufacture and supply of on-road electronic display, data collection or advisory equipment which is typically used by VicRoads. The equipment may include such devices as:</p> <ul style="list-style-type: none"> • Variable Message Signs. • Traveller Information Signs. • Environmental warning systems. • Other electronic equipment which is not subject to the VicRoads type approval process. <p>To be eligible a company must demonstrate:</p> <ul style="list-style-type: none"> • The standard eligibility criteria as above except for the items shown * and, • Attainment of DTP type approval for a minimum of two current on-road electronic display, data collection or advisory equipment. • A secure storage, electronic and manufacturing factory/workshop with the capacity to supply SOED including testing facilities. • A design and development capability.



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- An ability to supply relevant equipment that meets VicRoads' requirements.
- Software and programming capability.
- History of project completion and delivery.
- A minimum of one full time employee with Diploma of Electronics or equivalent.
- For roadside electronic signs, evidence is required of the contractor's capability and experience. This may include sample signage, evidence of other installations or DTP type approval for various sign types.