



ATSC4 introductory course outline

Introduction

The ATSC4 Traffic Signal Controller is an advanced and sophisticated traffic management device, built and complying with the Roads & Traffic Authority (RTA) specification TCS/4. The controller can operate up to 32 signal groups and can respond to up to 64 different inputs. It is capable of operating in isolated mode, in mains frequency coordinated flexible plan operation or connected to SCATS as a networked controller.

Target audience

This course is aimed at traffic management professionals engaged in traffic signal controller installation and maintenance. Generally these course participants will have a “hands on” role in any organisation needing to be able to understand the complexity and features of the controller. Participants should be familiar with traffic signal operation, knowledge of traffic signal principles of coordination would be useful. Prior experience with SCATS is an advantage, but not essential.

Expected job outcomes

At the completion of the course, participants will be able to:

- Able to monitor and interface with the basic operation of the controller
- Understand in detail the timing functions of the controller
- Gain the knowledge required to be able to configure the controller for maximum efficiency of operation.
- Be able to demonstrate to traffic engineering staff the capabilities of the controller to allow for a better understanding when designing intersections.
- The ability to communicate the concepts of timing to allow for innovative solutions to traffic management issues.

Course summary

Course participants will be able to interrogate the controller using the ATC unique interface system during the course. Participants will be provided with case studies to give them the opportunity to evaluate the best timing scenarios for particular intersections based on the controller capabilities.

Course structure

The course will use a combination of PowerPoint presentations, discussion, demonstrations and practical exercises



Course content

The course will include the following topics:

- Basic cabinet layout
- User interfaces
- Logic module sub-systems
- Software overview
- Basic maintenance
- Fault finding diagnosis

Course nominations

The course is limited to 10 participants, so nominations to attend should be submitted to the contact person below as soon as possible.

Course fee: TBA

Duration: 3 days

Dates: TBA

Nominations Close: 4 weeks prior to start date

Times: 9:00 a.m. – 5:00 p.m.

Venue: ATC Sydney Office

Contact person: Bob Lemon
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