

# TRANSYT13 Computer Workshop

## Tuesday 12th June 2012

### London - venue tba

Duration: 2 days

Price: £545 (exc. VAT)

#### Overview

The course is aimed at those whose work involves co-ordination of traffic signals and would like to learn the methodology behind TRANSYT13 as a tool for modelling networks. The course will also be particularly useful for persons who either have to prepare, or have to check TRANSYT13 traffic impact submissions involving networks of linked traffic signal schemes. No prior knowledge of TRANSYT is required.

#### Pre-requisites

Attendance at the JCT course "An Introduction to Traffic Signals", or equivalent basic signal terminology knowledge is desirable.

#### Course Content

The course provides a 2-day 'hands-on' workshop teaching the use, interpretation and application of the TRL TRANSYT13 program to model linked signal networks. Comprehensive workshop notes are provided that act as a self tutor/reminder following the course. A memory stick is supplied that provides worked copies of all the course examples, useful utility files and relevant publications. The following topics will be covered.

Day 1:

- TRANSYT Program Overview:
  - What's New.
  - Input Data Requirements.
  - The Transyt Model and Optimiser.
  - TRANSYT Output.
- TRANSYT Data Input:
  - How to use Data Outline & Grids, Create and Assemble Nodes and Links.
  - How to Connect Nodes and Links and Enter Link Data.
  - How to Add Signal Data
  - How to Use Link Texts and the TRANSYT 12 -Type Card Viewer to aid input data checking.
  - How to Request Graphs, Run Transyt, View Results.
  - How to Use Cyop to get Optimum Network Cycle Time.
  - How to address block-back queues using the Excess Queue Limit tool.
  - How to Model Pedestrian Facilities and Fixed Times.

Day 2:

- Transyt Special Features:
  - The TRANSYT Output including Queue and Cyclic Profile Graphs.



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- Model Calibration and Validation.
- How to model Giveway Junctions.
- How to model Opposed Right-Turners.
- How to model Flares and 2 to 1 Exit Merges (Funnels).
- What are Shared Stoplines?
- How to use Shared Stoplines to model Bus Priority.
- The TRANSYT Routes Facility.
- The TRANSYT CTM Model ? an example of its use.

### Accreditation

The number of CET days will be allocated by the supervising civil engineer of each attendee. The course duration is two days. The course has an IHE accreditation of two days.

### Dates & Times

This course will run from Tuesday 12th June 2012 and last for 2 days.

The following schedule should apply although all times are provisional and subject to change as required on the day:

Day 1: 09.15 - 17.00.

Day 2: 09.15 - 17.00.

### Course Venue

Venue: London - venue tba

Location: London

Address of venue: The venue will be announced nearer to the course date. This will be a hotel or conference centre, usually in a central location with easy access from a tube or train station if possible.

### Course Tutors

Depending upon scheduling constraints, our course tutors will sometimes split tuition between them or teach a given course in its entirety whilst the other is unavailable. Please contact us directly if you need more specific detail about who will be teaching a specific course.

**Course tutor: Simon Swanston MSc, BEng, CEng FIHE**

*The information presented here is kept as accurate and up to date as possible, nevertheless, this document is static and cannot be updated if any changes to the course arrangements are made. We make every effort to inform our delegates if we have to make any cancellations and if any changes are made to the venue or schedule. We also advise all delegates to check the website or contact us directly to confirm course details a few days before the course starts.*



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