



## Solid State Interlocking Control Tables (ISTCT SSI)

### Aim

This course will enable a designer, who is already familiar with general interlocking principles and control tables, to be able to complete the new SSI control tables.

### Key Features

Course fully up to date to reflect NR/L2/SIG/11201/ModA18 June 2011 issue

- The course concentrates on understanding of SSI interlocking functionality, as well as “filling in the boxes”
- Technical jargon is explained in clear English terms
- Also provides preparation for module 3 of the IRSE examination

### Course Outcomes

On successful completion of this course, the delegate will be able to:

- Demonstrate an understanding of SSI interlocking principles
- Complete Control Tables for Signal Route & Aspect, Point, Swinging Point, Point Normalisation and Sub Route
- Create Track Circuit and Point Summation Sheets
- Design Approach Locking Map Search and Sub Route Diagrams

### Assessment and Certification

Achievement of the Course Outcomes will be assessed by a theory assessment of interlocking principles and control table completion.

The delegate's achievement of the Course Outcomes will be confirmed by a certificate which will be forwarded to the nominated client contact following the course.

### Pre-Requisites

A well prepared delegate is expected to be able to interpret signalling plans and existing control tables for UK main line signalling installations.

### Practical Information

Duration: 5 days

Location: At our Derby training centre, or on your premises.

Maximum number of delegates: 10

This course is produced and run by Signet Solutions.

For further information contact us:

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## Course Progressions

We offer many signalling technical courses, and it can be difficult to work out what's best for your needs. The following table will assist you.

### \*Development Courses in green text

These courses typically form the backbone of a career development path, and are usually taken in the order shown.  
*Available on an "open" basis, in which you can take individual places from our regular timetable.*

### \*Supplementary Courses in blue text

These courses provide supplementary knowledge about a specific technology or process. They can generally be taken on an "as needed" basis, without any particular order.  
*Available on a "private" basis, in which you sponsor the delivery of a full course. This works better for four or more delegates.*

***This is just a quick guide – please consult our individual course specifications for more detailed information. Please ask us if you have any queries.***

| Signal Maintenance & Signal Installation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Signal Design                                                                                                                                                         | Signal Works Testing                                                                                                                                                                                                      |
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| Introduction to Signalling/<br>Basic Signalling 1 & 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Basic Signalling Technology<br>Intermediate Signalling<br>Technology Layouts<br>Intermediate Signalling<br>Technology Control Tables<br>Advanced Signaling Technology | Introduction to Signalling/<br>Basic 1 & 2<br>Mod 5 - Test Assistant<br>Mod 3c - Verification Tester<br>Mod 3BL - Functional Tester<br>Mod 4 - Functional Tester<br>Mod 2 - Principles Tester<br>Mod 1 - Tester in Charge |
| SMTH - Signalling Maintenance Testing Handbook    Route Relay Interlocking<br>Appreciation Route Relay Interlocking - Maintenance + Faulting    Route Relay<br>Interlocking Design Clamp Lock Installation    Western Region E10k Circuitry<br>Clamp Lock Maintenance    Correlation<br>Cable Jointing    Westpac MK11A - Design<br>Supplementary Back Drives + Stretcher Bars    Location Design Project<br>EISS Electrical Installation Skills    Level Crossing Design<br>Electrical Principles    SSI Appreciation<br>Style 63 Points Installation    SSI Control Tables<br>Style 63 Points Maintenance    SSI Data Appreciation<br>Westpac MK11A Maintenance + Faulting    SSI Data Preparation<br>HW100 Points Maintenance    Route Relay Interlocking - Mod 3BI<br>EBI Track 200/T121 Track Circuits    Westpac MK11A - Testing<br>Fault Finding Techniques<br>Mechanical Signalling |                                                                                                                                                                       |                                                                                                                                                                                                                           |