



Signalling the Layout (Also known as Intermediate Signalling Technology Layouts, (ISTL))

Aim

This course will enable signalling designers to specify signalling equipment on signalling plans, based upon a client specification.

Key Features

- Course fully up to date to reflect current requirements
- The course concentrates on understanding of underlying rules for equipment specification
- Technical jargon is explained in clear English terms
- Extensive practical exercise covering a wide variety of lifelike situations.
- Underpinning Knowledge matched to IRSE Licence requirements
- Also provides preparation for module 2 of the IRSE examination

Course Outcomes

- On successful completion of this course, the delegate will be able to:
- Interpret customer requirements for signalling projects
- Perform headway calculations for non-stopping trains
- Position signals on the plan
- Specify types of signal and route indicator
- Specify signal identities
- Specify signalled routes required and their characteristics
- Specify Train Protection and Warning Systems
- Specify any additional trap points required
- Specify normal lie and identity of points
- Specify train detection areas and identities

Assessment and Certification

Achievement of the Course Outcomes will be assessed by a theory assessment of signalling layout principles.

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 describe the basic functionality of signals, points and track circuits.

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:

enquiries@signet-solutions.com

www.signet-solutions.com

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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
Introduction to Signalling/ Basic Signalling 1 & 2	Basic Signalling Technology Intermediate Signalling Technology Layouts Intermediate Signalling Technology Control Tables Advanced Signaling Technology	Introduction to Signalling/ Basic 1 & 2 Mod 5 - Test Assistant Mod 3c - Verification Tester Mod 3BL - Functional Tester Mod 4 - Functional Tester Mod 2 - Principles Tester Mod 1 - Tester in Charge
SMTH - Signalling Maintenance Testing Handbook Appreciation Route Relay Interlocking - Maintenance Interlocking Design Clamp Lock Installation Clamp Lock Maintenance Cable Jointing Supplementary Back Drives + Stretcher Bars EISS Electrical Installation Skills Electrical Principles Style 63 Points Installation Style 63 Points Maintenance Westpac MK111A Maintenance + Faulting HW100 Points Maintenance EBI Track 200/T121 Track Circuits Fault Finding Techniques Mechanical Signalling	Route Relay Interlocking Route Relay Interlocking - Maintenance + Faulting Western Region E10k Circuitry Correlation Westpac MK11A - Design Location Design Project Level Crossing Design SSI Appreciation SSI Control Tables SSI Data Appreciation SSI Data Preparation Route Relay Interlocking - Mod 3BI Westpac MK11A - Testing	