Signalling the Layout – Rapid Transit (ISTL-RT)

Aim
This course will enable signalling designers to specify signalling equipment for rapid transit lay-outs using 2 aspect or speed code signalling.

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 the rapid transit variant of Module 2 of the IRSE examination

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

- Describe the operational principles of 2 aspect signalling
- Calculate signal overlap, braking and sighting distances
- Position signals in standard positions in relation to stations
- Calculate achievable headway
- Describe the operational principles of speed code signalling
- Specify signals for junction protection
- Specify shunt signals and marker boards
- Specify trainstops
- Specify points lie, trap points and points numbering
- Specify track circuits and deltas
- Specify speed control trainstops

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 signalling lineside equipment

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 + Faulting
Interlocking Design Clamp Lock Installation
Clamp Lock Maintenance
Cable Jointing
Suplementary 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
Western Region E10k Circuitury
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