



Route Relay Interlocking Design (RRIDO)

Aim

This course is intended for the signal designer who is working towards the principles designer's role.

Key Features

- The route relay interlocking technology is the universal basis of all interlocking principles and control tables, such that this course is valuable even if the delegate is not intending to work on RRI technology
- Closely links the standard circuits to signalling principles and control tables
- Completely updated to reflect current requirements
- Relay names and technical jargon are explained in “plain English” terminology
- Underpinning Knowledge matched to IRSE Licence requirements
- Extensive practical exercises reinforce learning of circuit application
- Delegates will benefit from practice on our working route relay interlocking

Course Outcomes

On successful completion of this course, the delegate will be able to describe the function of, and create site specific designs for, the following classes of circuitry.

- Push Button Interlocking
- Route Interlocking
- Points Interlocking and interfaces
- Sectional Route Locking
- Signal Controls
- Route Normalisation
- Indications
- Timing Circuits
- Swinging Overlaps
- Stepping-up of class of route
- Preset Shunt Signals

Assessment and Certification

Achievement of the Course Outcomes will be assessed by a theory assessment of circuit principles, and a practical assessment of typical circuit customisation skills.

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 layout plans, signalling control tables and circuit diagrams.

Practical Information

Duration: 10 Days

Location: at our Derby training centre, or on your premises (subject to equipment availability)

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	