Westpac Geographical Interlocking – Mk 111A - Design

Aim
This course is intended for staff to gain an in-depth knowledge of this type of circuitry.

Key Features
• Underpinning knowledge of the system.
• Detailed understanding of the processes.
• Practical design project.

Course Outcomes
On successful completion of this course, the delegate will be able to create site specific circuit designs in the following areas:
• System Construction and Wiring
• Levels of route
○ Selection
○ Calling
○ Locking
○ Aspects
○ Releasing
• Panel Indications
• Bi-directional Working
• Overlaps
• Restricted Aspects
• Preceding Shunt Signals
• Flank Protection

Assessment and Certification
Achievement of the Course Outcomes will be assessed by a practical and theory assessment to demonstrate the underpinning knowledge gained.
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
It would be helpful if delegate have a good knowledge of general signalling principles and circuitry.

Practical Information
Duration: 10 Days
Location: at our Derby training centre, or on your premises where a training interlocking is available.
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
telephone:+44(0)1332 343585

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 Interlocking 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	