Mod 3BX – Functional Tester – Level Crossings

Aim
This course is intended for signal engineers, who are Signalling Works Functional testers, to become Functional testers for level crossing circuitry.

Key Features
• Understanding of level crossing equipment
• Understanding of level crossing control circuitry
• Intensive practical experience in level crossing circuitry testing
• Implementing SWT (AHBC) Test specification requirements
• Identifying non-conformances
• Determine the extent of testing required following a modification
• The Course includes activities on an AHBC installation

Course Outcomes
On successful completion of this course, the delegate will be able to:
• Understand the more complex circuits associated with level crossing systems
• Perform inspection and test of barrier packs, road traffic lights, treadles and associated crossing equipment
• Set to work an AHBC installation
• Perform functional testing on a AHBC installation
• Make alterations and associated testing
• Record and Document test activities

Assessment and Certification
Achievement of the Course Outcomes will be assessed by a practical assessment.
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 a competent Mod 3BL tester and evidence of at least 2 years experience
• Have a basic knowledge of level crossings

Practical Information
Duration: 4 Days + 2 Hour one to one Assessment
Location: at our Derby training centre
Maximum number of delegates: 4

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
Route Relay 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