Signal Alignment

Aim
This course is intended to enable signal works and installation staff to correctly align signals and signs in line with all relevant standards and to understand the principle behind the procedures that apply to the process and be able to use the correct equipment.

Key Features
• Underpinning knowledge matched to the relevant installation and testing procedures.
• Reflects the requirements of modern signal alignment techniques.
• Intensive practical experience in the application of sighting techniques.
• Reflects directly to the Network Rail testing and installation standards.
• Use and application of correct tools and equipment to attain correct sighting and alignment of a variety of signal types including Dorman, VMS.

Course Outcomes
• Identify the correct standards and procedures applicable to correct signal alignment.
• Identify the role and responsibilities of the installation and testing staff engaged in signal alignment
• Practically apply installation and testing techniques to the signal alignment procedure.

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 already be a competent functional tester/installer with approximately three years' practical experience. The delegate should be a senior tester/installer who has passed the relevant testing and installation courses or have equivalent experience. The delegate should also have a good understanding of signalling plans, diagrams and relevant testing and installation documentation.
Practical Information
Duration: 2 Day(s)—including assessment
Location: Signet training centre, Derby
Maximum number of delegates: 6

This course is produced and run by Signet Solutions.
For further information contact us:
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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