



Axle Counter Design

Aim

This course will enable a signalling designer to undertake scheme and electrical design of Axle Counter systems.

Key Features

- The AzLM axle counter is chosen, being the most common UK application.
- The course can be modified to suit specific equipment types and customer applications.
- Axle Counter Signalling / Scheme plan design
- Axle Counter Signalling Principles
- Axle Counter Electrical Design

Course Outcomes

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

- Demonstrate an understanding of terminology and components used in axle counter systems.
- Specify detection point positions and details
- Specify evaluator areas
- Specify methods of section reset and restoration
- Specify control table modifications for axle counters
- Specify detection point and evaluator circuitry
- Specify evaluator interface and reset circuitry

Assessment and Certification

Achievement of the Course Outcomes will be assessed by a theory 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 familiar with signalling layout, principles and electrical design for conventional UK main line practice.

Practical Information

Duration: 10 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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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	