



Axle Counter Appreciation

Aim

This course will inform a signal engineer requiring an introduction to the engineering, design, installation, testing or maintenance of Axle counter systems.

Key Features

- The AzLM axle counter is chosen, being the most common UK application, but the principles equally apply to other types of axle counter.
- The course can be modified to suit specific equipment types and customer applications.
- Axle Counter system components
- Axle Counter Signalling Principles
- Axle Counter Circuitry
- Axle counter reset methods
- Overview of specific design, installation, testing & maintenance issues

Course Outcomes

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

- Identify the components used in axle counter systems.
- Describe the relationships between axle counter system components
- Outline the operational and technical issues for physical and electrical system configuration
- Describe the different operational and technical methods of axle counter reset
- Outline specific design, installation, testing & maintenance requirements

Assessment and Certification

The delegate's attendance 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 principles and engineering for conventional UK main line practice.

Practical Information

Duration: 2 Days

Location: Any

Maximum number of delegates: 10

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 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 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	