



Alstom Style HW Points Installation

Aim

This course will enable signal engineers who will be involved in the installation of style HW point machines in line with required standards and specifications. They will also be able to apply the necessary tests and checks as defined in the Installation and Maintenance Standards. They will also understand the procedure required for the equipment to be returned to service.

Key Features

- Underpinning Knowledge matched to IRSE Licenses
- Intensive practical experience in applying the role of point fitting
- May be tailored to specific client or railway administration requirements

Course Outcomes

On successful completion of this course, the delegate will be able to describe the function of the following

- Principles of Operation
- Connection to Point Switches
- Mechanical Operation
- Electrical Operation
- Mechanical Installation
- Rail Sections, Switch Types and Layouts
- Preparation and mounting of components
- Connections ○ Adjustment and Gauging
- General Installation Techniques
- Testing and Restoration to Service

Assessment and Certification

Achievement of the Course Outcomes will be assessed by a practical and 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 able to read circuit diagrams and be involved the installation and faulting of Style HW point machines. Ideally they should have attended some basic signalling courses or be able to demonstrate relevant experience.

Practical Information

Duration: 3 Days

Location: Signet Solutions Training Centre, or suitable location (subject to practical equipment being available)

Maximum number of delegates: 6

This course is produced and run by Signet Solutions.

For further information contact us:

enquiries@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 Route Relay Interlocking Appreciation Route Relay Interlocking - Maintenance + Faulting Route Relay Interlocking Design Clamp Lock Installation Western Region E10k Circuitry Clamp Lock Maintenance Correlation Cable Jointing Westpac MK11A - Design Supplementary Back Drives + Stretcher Bars Location Design Project EISS Electrical Installation Skills Level Crossing Design Electrical Principles SSI Appreciation Style 63 Points Installation SSI Control Tables Style 63 Points Maintenance SSI Data Appreciation Westpac MK111A Maintenance + Faulting SSI Data Preparation HW100 Points Maintenance Route Relay Interlocking - Mod 3BI EBI Track 200/T121 Track Circuits Westpac MK11A - Testing Fault Finding Techniques Mechanical Signalling		