



Mod 3BL – Functional Tester

Aim

This course is intended for signal engineers, who are Works Verification testers, to become Functional testers for location circuitry.

Key Features

- Underpinning knowledge matched to the new IRSE Functional Tester Licence 1.3.170
- Reflects the requirements of validation techniques
- Intensive practical experience in application logic testing
- May be tailored to specific client or railway administration requirements
- The Course includes activities on relay based and Solid State Interlocking (SSI) Systems

Course Outcomes

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

- Describe the principles of verification Testing
- Identify suitable methods for testing different circuitry
- Perform check Marking of diagrams
- Perform Location functional testing
- Make Alterations and associated testing
- Perform Integration 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

- Have Module 3c competence
- Be able to perform location verification testing
- Be able to understand wiring circuitry
- Have a knowledge of check marking

Practical Information

Duration: 4 Days + 1 Day one to one Assessment

Location: at our Derby training centre, or on your premises (subject to equipment availability)

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 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 | |