



## G110 – Tester & Lead Tester

### Aim

This course is intended for; signal engineers with existing competence as an SMTH tester, including SFI Level 1, or have experience in any role where they have demonstrated an equality of competence in Signal Works Testing or Works delivery. The course will enable them to undertake the role of G110 Tester or Lead Tester as defined in NR/L2/CTM/012/055.

### Key Features

- Underpinning knowledge matched to the NR/L2/SIG/30014/G110.
- Reflects the requirements of the role of a G110 Tester / Lead Tester.
- Practical scenario experience in applying the G110 procedures.
- The Course includes both a theory and practical assessment against unique scenario based exercises.

### Course Outcomes

On successful completion of this course, the delegate shall have knowledge and understanding of:

- Where they can obtain information to determine the nature and scope of the work.
- Which engineering drawings, diagrams, specifications, reports and technical manuals / instructions contain the relevant information for the work.
- How to carry out the required tests / checks for the work, using specific scenario exercises.
- Test reporting documentation and procedures.
- Analysis methods and techniques.
- How to progress faults / design changes / equipment replacement.
- How to assess the completion of work and testing activities prior to allowing the system / product to return to service.

### Assessment and Certification

Achievement of the Course Outcomes will be assessed by both 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 competent as an SMTH tester and have experience in any role where they have demonstrated an equality of competence in Signal Works Testing or Works delivery.

### Practical Information

Duration: 2 Days + 2 hour one to one assessment per delegate

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:

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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	