

# Signal Engineering

## Course Name

SMTH Initial (Full)

## Course Description

This course delivers the Core skills required for Signal Maintenance Testing and its associated competence. The course then goes on to cover the knowledge and skill required to perform Aspect testing, Points testing, cable function testing, Diversion of circuit activities as defined by the Signal Maintenance testing Handbook.

For any SMTH Initial training taking place from the 24th April 2023, all candidates will be required to pass a the Pre-SMTH Initial Training Knowledge Test before attending the full course. The knowledge test can be accessed on the Network Rail eLearning platform.

## Audience

Staff who will be required to undertake SMTH testing as a regular part of their work place activities

**Duration:** 10 Days Day(s) **Class Size:** 6

## Competence Name Awarded

CCS Signal Maintenance Testing Core Skills CCS Signal Maintenance Testing Core Skills.Cable Function Testing CCS Signal Maintenance Testing Core Skills.Aspect Testing CCS Signal Maintenance Testing Core Skills.Points Testing CCS Signal Maintenance Testing Core Skills.Diversion of a Circuit

## Competence Awarded

SIG MAINT TEST SMTH.a, SIG MAINT TEST SMTH.b, SIG MAINT TEST SMTH.c, SIG MAINT TEST SMTH.d, SIG MAINT TEST SMTH.f

## Course Code

SIG MAINT TEST SMTH.a, SIG MAINT TEST SMTH.b, SIG MAINT TEST SMTH.c, SIG MAINT TEST SMTH.d, SIG MAINT TEST SMTH.f

## Prerequisite Name

Ensure effective progression of work and use of resources during signalling testing, maintenance or installation activities. Implement and monitor safe working systems for signal engineering maintenance and renewal activities. Take and relinquish responsibility for Signalling equipment. Undertake corrective and preventative maintenance of Electrical Signals including AWS and TPWS. Undertake corrective and preventative maintenance of Signalling Cables. Undertake corrective and preventative maintenance of Signalling Power Supplies. CCS Install, Setup and Maintain Point Equipment Work safely on Signalling Power Supplies

## Prerequisite Short Code

Sig 24, Sig 26, Sig 25, Sig 07, Sig 14, Sig 13, SIG MAINT POINTS 01, Sig 42

## **Skills Assessment Scheme Regime**

### **Course Type**



Face to Face

**Download Date: 10/1/2025**