

Inspection and maintenance Procedures of Switches and Crossings

COURSE AIMS

This course is intended to provide a delegate with a comprehensive understanding required for the Inspection and Maintenance of Switch and Crossings.

LEARNING OBJECTIVES

At the end of this course the delegates will: -

- Have a clear understanding of S&C components.
- Be aware of the design consideration for S&C.
- Have an understanding of the track standards as applied to S&C.
- Be aware of the contract requirements for the maintenance of S&C.
- Be able to carry out an inspection of S&C.
- Have a clear understanding of maintenance and repair procedures.
- Be able to demonstrate an understanding of setting out S&C for lifting.
- Be able to measure components requiring replacement.
- Be able to carry out a site survey and prepare a work plan.
- Have an understanding of derailment risk in S&C.
- Have an understanding of S&C renewal proposals.
- Be aware of the interface between S&C and track signalling.

COURSE DURATION

Five days, Monday – Friday.

PRE-REQUISITES

There are no particular educational or competence pre-requisites for the course. However, the following factors will be of significant benefit to the delegate: -

- Prior experience of working within the Permanent Way environment
- Have a basic understanding of the track and its components

PERSONAL PROTECTIVE EQUIPMENT

This course requires the delegate to be on or near the running line, therefore, he/she **MUST** be in possession of: -

- Valid Track Safety Competence
- Protective Clothing – high visibility
- Safety Footwear

The protective equipment must comply with current safety standards.

CERTIFICATION

A Certificate of Attendance will be awarded to the delegate on completion of the course.