

The Inspection of Cast Crossing and Cast Vees in the Track NR/SP/TRK/0054

Course Aims

This course is intended to provide a delegate with the underpinning knowledge to achieve a suitable level as required by Network Rail Company Standards.

Learning Objectives

At the end of this course the delegates will: -

- Be able to demonstrate an awareness of the Inspection Frequencies relative to line speeds
- Understand the need of visual observation in respect of the Inspection Procedure
- Be able to identify the key elements of the crossing requiring particular attention and features to be observed during the Inspection
- Be able to demonstrate an understanding of the requirements when producing an Inspection Report and the ability to complete a Cast Crossing Inspection Report / Failure Report Form
- Be able to identify the various types of cast crossings
- Have a clear understanding of track geometry in relation to cast crossings
- Be able to demonstrate a clear understanding in the use of Dye Penetrative Inspection for the non-destructive testing of cast crossing

Course Duration

Two days, inclusive of theoretical and on-site practical assessment.

Pre-requisites

There are no particular educational or competence pre-requisites for the course. However, the following factors will benefit the delegates: -

- Prior basic knowledge of the permanent way track and its components
- Prior experience of working on the maintenance and renewal of S&C

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 P. T. S. Card
- Protective “all orange” High Visibility Clothing to BS EN 471:2003
- Safety Footwear to BS EN ISO 20345:2004
- Safety Helmet (white/blue) to BS EN 397:1995
- General Purpose Gloves to BS EN388:2121

Certification

A Certificate of Competency will be awarded to the delegate on successful completion of both an underpinning knowledge and practical on-site assessment.