

## Rectification of Track Geometry Faults

### Course Aims

This course is intended to provide a delegate with the relevant skills and underpinning knowledge to carry out Rectification of Track Geometry Faults.

### Learning Objectives

At the end of this course the delegates will: -

- Have a clear understanding of Track Construction, both of Plain Line and S&C
- Be aware of the relevant Network Rail Standards and Company Standards relating to the lifting and packing of the track
- Be able to interpret the relevant Track Inspection Reports and act on them
- Have a clear understanding of the nature of faults, their effect on Rolling Stock and their limiting values
- Be able to identify faults by sight or appropriate measuring devices
- Be able to calculate Twist Values
- Be able to set out work sites ready for repairs
- Be able to identify and use Hand Tools for the correct application to carry out lifting and packing of the track, including jacks for the adjustments of top and line
- Be aware of the need to ensure that the correct Repair Procedures are applied and maintained

### Course Duration

Eight days, two four day modules, Monday to Thursday.

### Pre-requisites

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

- Prior experience in carrying out Maintenance Work to the Permanent Way
- A basic knowledge of the Track and 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 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 Competence will be awarded to the delegate on successful completion of the course.