

## **Grinding Operative**

### **COURSE AIMS**

The course is intended to provide the delegate with the knowledge and skills required to be competent to carry out the duties of a Grinding Operative.

### **LEARNING OBJECTIVES**

At the end of this course the delegates will: -

- Be able to demonstrate a clear understanding of the duties of a Grinding Operative.
- Be able to demonstrate an understanding of the requirements of Abrasive Wheels for each Grinding Machine
- Be able to identify the effects of Rolling Contact Fatigue in both Plain Line and Switch & Crossings
- Be able to demonstrate competency in the safety aspects and use of each grinding machine including: -
  - Head grinder
  - Switch deburbers
  - Hand held angle grinders
    - Be able to use relevant track gauges
    - Be able to demonstrate an understanding of the Non-Destructive Testing

### **COURSE DURATION**

Four Days with one day assessment.

### **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 in working within the Permanent Way Environment
- A basic knowledge of the track and its components

### **PERSONAL PROTECTIVE EQUIPMENT**

This course requires the delegate to be on or near the running line and 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
- Flame retardant trousers
- Eye Protection
- Anti-Vibration Gloves

### **CERTIFICATION**

A Certificate of Competence will be awarded to the delegate on completion of the course and assessment.