Track Engineering

Course Name

Technical Officer New Entrants Programme (Track)

Course Description

This programme is for inexperienced technical staff (less than 1 year). The programme covers 3 separate modules Module 1: This covers the introduction to the technical officer role and what is expected, the systems which would be used to store the data gathered through the various inspections, the importance of data management/filing. In addition an awareness of CRT/JCT, gauging and rail wear. Module 2: Track surveying, delegates are introduced and shown how to use an automatic level for design work associated with on track machines, with this they are shown how to correctly book the data so it can be used to create lift information, the 3rd part of the process is to use the data and turn it into lifts via the collimation method of reducing levels. Delegates are then introduced and shown how to use a theodolite for use of setting a design straight, also associated with on track machines. A very hands on practical module in both training and live railway environment. Module 3: This looks at manual geometry recording, the importance of highlighting issues/defects for rectification in a timely manner before a significant problem occurs, this includes management of the data, who it's issued to and what systems this feeds into. Second part of this module covers gauging, again the importance of why the inspections are carried out, the pitfalls of poorly managed clearances, this includes management of the data, who it's issued to and what systems this feeds into.

Audience

Technical staff of less than 1 year experience. Staff with more than 1 year experience should book on to the Technical Officer Programme (Track)

Duration: 15 Day(s) **Class Size:** 12

Competence Name Awarded

Competence Awarded

Course Code

Prerequisite Name

Prerequisite Short Code

Skills Assessment Scheme Regime

Course Type

Face to Face