

# Track Engineering

**Course Name**

Technical Officer Programme (Track)

**Course Description**

This programme is for experienced technical staff. The programme covers 2 separate modules Module 1: 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 2: 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 at least 1 year experience. Staff with less than 1 year experience should book on to the Technical Officer New Entrants Programme (Track)

**Duration:** 10 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

**Download Date: 20/5/2024**