**Track Quality 1**
**Effective Use of Geometry Data**

## COURSE AIMS

The course is intended to provide Managers, Engineers, Track Technicians and Senior Supervisors with the engineering knowledge and skill to more efficiently obtain the required levels of track geometry with on-track machines resources.

The course will achieve this by focussing on:

- Understanding and efficient analysis of the various forms of track recording data and how this relates to company standards.

- Precise targeting of tamping, stoneblowing and manual intervention through accurate site identification and site suitability for the chosen method.

## LEARNING OBJECTIVES

At the end of the course the delegates will be:

- Able to understand the various forms of track geometry recording data including trace, exceedance and standard deviation data.

- Able to quickly and reliably source and analyse track recoding data.

- Able to relate track geometry recording data to maintenance and renewal standards NR/L2/TRK/001 and NR/L2/TRK/2102.

- Able to predict track quality deterioration rates using data history and specific site conditions.

- Able to reliably identify suitable sites including consideration of track type, ballast condition and formation/sub-grade stability.

- Able to determine timely OTM cycles to avoid geometry non-compliance.

- Able to choose the optimum OTM method.

## COURSE DURATION

2 days

## PRE-REQUISITES

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

- Sound understanding of the Permanent Way and its components
- Prior experience of site work

## PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment is not required for this course.

## CERTIFICATION

A Certificate of Training will be awarded to the delegate upon completion of the course.