

Track Quality 2 Effective Use of on Track Machines

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 standard of track geometry with on-track machines resources.

The course will achieve this by focussing on:

- A more effective use of modern tamping machines to ensure delivery of high quality geometry and durability – first time.
- Reduction of unnecessary or wasteful tamping minimising ballast degradation and consequential improvement in asset whole life cost.

LEARNING OBJECTIVES

At the end of the course the delegates will:

- Have an appreciation of track geometry recording data and site selection.
- Be able to recognise the advantages of the different types of On-track Machines.
- Understand the basic tamper controls including basic level/alignment systems, computer systems and operator settings.
- Have an appreciation of the various data files for ALC/GECO computer control software.
- Be able to create simple ALC geometry and front-offset (lift & slue) files.
- Be able to optimise the use of on-site tamping machines including S&C methods.
- Conduct post OTM analysis including tamper derived standard deviation data.

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

Is not required for this course.

CERTIFICATION

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