Infrastructure & Engineering

Course Name

Signal Engineering Principles

Course Description

This 2-day course outlines the history of Railway Signalling and the reasons behind its development from inception to its current day form. Basic Signalling Principles are outlined including types of block, principle components, features and associated terminology are explained to provide an overview of Signalling Systems and their functionality. Design Installation, testing and commissioning is discussed to provide an overview of the typical stages involved in the implementation of a signalling scheme. Interface between signalling and related infrastructure such as track electrification and structures are discussed outlining Principle interdependencies. The course includes a site visit and a case study exercise to enable visualisation and application of the course learning to site scenarios. The course includes an assessment. Topics Covered: Development of railway signalling up to current practice Standards and Principles Relays Interlockings and Control Centres Train Detection Points Signals Signalling Design

Audience

Anyone from a non-signalling background who needs to understand the basics of signalling for their role. Typical delegates would be Managers from other assets and commercial staff involved in getting signalling contracts.

Duration: 2 Days 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