



CAREER ROUTE MAP – Typical Career definitions

Engineering Manager

Day-to-day management of a department; interpreting and implementing S&T policy and making critical decisions. Responsible for converting organisational strategy and policy into practical objectives for implementation.

Project Engineer

Responsible for the signalling/telecommunications systems element of a project and capable of managing its integration into the railway environment and may also involve the management of engineering aspects of projects. Activities may include design, implementation, system assurance, installation, testing & commissioning activities.

Principles Designer

Responsible for designing new systems or modifying existing designs in accordance with signalling principles. Often involves checking other designers' work.

Principles Tester

Responsible for carrying out tests to verify that a system is operationally fit for purpose.

Incident Investigator

Investigates incidents and irregularities and ensures system safety.

Designer

Designs or modifies signalling/ telecommunications systems from a user specification, to comply with applicable standards and regulations. Design work is usually office-based, normally in usual office hours, but may involve occasional trips to site.

Tester

Testers are responsible for carrying out tests on newly installed or altered S&T equipment to confirm that the system complies with the design specification and is fit for entry into service.

Fault Finder

Locates and rectifies faults in working S&T systems to maintain the safety of the systems.

Installer

Installs and wires signalling/ telecommunications equipment, using installation tools and measuring equipment, and carries out installation integrity checks, such as wire counts and continuity.

Maintainer

Responsible for maintaining or rectifying signalling/ telecommunications equipment and systems, completing integrity checks on own work, and where necessary, instigating testing.