

# Signal Engineering

**Course Name**

Smartlock 400 Operation & Maintenance

**Course Description**

At the end of this training event delegates will be able to: Identify all of the major hardware components of Smartlock 400; state their purpose and any special features or precautions involved. Demonstrate how to isolate and change CIXL and TICC hardware.

**Audience**

1st line maintenance personnel who are required to carry out maintenance & faulting activities on the Smartlock 400 system on the railway infrastructure as part of their daily work.

**Duration:** 2 Day(s) **Class Size:** 6

**Competence Name Awarded**

Undertake corrective and preventative maintenance of Electronic Based Interlocking. Undertake corrective and preventative maintenance of Electronic Based Interlocking.Smartlock 400.

**Competence Awarded**

Sig 19; Sig 19.13

**Course Code**

Sig 19; Sig 19.13

**Prerequisite Name**

Undertake corrective and preventative maintenance of Track Circuits. Undertake corrective and preventative maintenance of Electrical Signals including AWS and TPWS. Undertake corrective and preventative maintenance of Signalling Power Supplies. Undertake corrective and preventative maintenance of Signalling Cables. Ensure effective progression of work and use of resources during signalling testing, maintenance or installation activities.

**Prerequisite Short Code**

Sig 05; Sig 07; Sig 13; Sig 14; Sig 24

**Skills Assessment Scheme Regime**

6

**Course Type**

Face to Face

**Download Date: 10/1/2025**