
Overview

This standard identifies the competencies you need to determine the requirements for safe access to work locations before undertaking a signal engineering activity. These activities could involve the maintenance, fault finding, installation or testing of signalling equipment. The type of work locations that the activities will take place in could be from a range of different sites such as trackside, internal and public, each requiring different access requirements. The signalling equipment in this standard can be for overground or underground rail transportation systems and can apply to the European Train Control System (ETCS).

The level and extent of responsibility includes your safety and that of others who you may accompany. You will be expected to refer to others for authorisation when required, be responsible for the implementation of instructions, and work within set procedures and processes. Your actions shall not compromise the safety of others.

You will be able to identify and agree on the necessary safety requirements. You will ensure the implementation of the necessary safety requirements, protection and disconnection arrangements and that they remain in place throughout the duration of the signal engineering activity.

Safety is a key theme throughout this standard. You will be able to take all relevant action to ensure the safety of yourself, others and railway operations.

Performance criteria

You must be able to:

- P1 maintain safe working practices and comply with all relevant health and safety regulations, directives, and guidelines
- P2 confirm the location of the activity and determine the access requirements
- P3 check that the requirements for safe access meet your organisation's procedures
- P4 advise other people as required of the requirements for safe access
- P5 take action to ensure the requirements for safe access to work are implemented and remain in place for the duration of the activity
- P6 establish and maintain communication with relevant person(s)
- P7 address problems within your control and report unresolved issues

Knowledge and understanding

You need to know and understand:

K1 the relevant health and safety regulations, directives, guidelines, and safe working practices and procedures defined by your organisation, as appropriate to the activity and your working area

K2 the methods and techniques for conducting safety assessments, including assessment of risk

K3 how to locate and access the work area/site

K4 how to source and interpret information and document systems relating to the work area/site and activity

K5 the relevant railway possession and protection arrangements for the work site and equipment to provide a safe system of work and how to check these have been implemented

K6 how to secure the work area/site/system for maintenance/fault finding/installation/testing purposes

K7 how to identify, agree and implement safe access

K8 the relevant reporting lines and procedures that are approved by your organisation

K9 the limits of your own authority and responsibility and those of others involved

Scope/range related to performance criteria

1.
Types of health and safety legislation, regulations and safe working practices and procedures, as applicable to the work location and activities, could include:
2.
Types of site access documentation to be completed, as applicable to the work location, could include:
3.
Site locations could include:
4.
Safety requirements that are necessary to ensure safe access, as applicable to the activity, could include:

SEMRES205

Determine requirements for the safe access to work locations for signal engineering



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