
Overview

This standard is about overseeing and monitoring the obtaining and preparing of materials and components needed for the renewal or maintenance of signalling systems to ensure that correct and adequate materials and components are available. The signalling equipment in this standard can be for overground or underground rail transportation systems and can apply to newer systems, such as the European Train Control System (ETCS).

You will be required to oversee the obtaining and preparing of approved materials and components. You will know the types of components and materials needed and the materials preparations required for the renewal or maintenance of signalling systems.

During this work, you must take account of the relevant worksite operational requirements, procedures, and safe working practices as they apply to you.

You will be expected to work within approved procedures and specifications and will work within the limits of your own responsibility and authority.

Your underpinning knowledge, training, and experience will provide a good understanding of your work and will provide an informed approach to applying problem-solving techniques and procedures during this supervision. Your organisation will have confirmed your competence in performing your duties. Where appropriate, you will hold industry-standard licences or certifications, supported by an Authority to Work Certification issued by your organisation.

You will comply with any organisational procedures, and legislative or regulatory health, safety, and environmental requirements applicable during this supervision.

This standard is for all individuals who are responsible for overseeing or supervising signal engineering activities.

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 identify any necessary changes to safety requirements upon site arrival and report to the relevant person(s) without delay
- P3 ensure the required materials and components are obtained and check them for quantity and quality
- P4 establish how the materials and components need to be prepared
- P5 oversee that preparations are carried out using suitable equipment
- P6 oversee the preparation of materials and components
- P7 oversee the storage of materials and components
- P8 prepare appropriate documentation to update on progress and report completion of activities in line with your organisation's procedures
- P9 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 your responsibilities in respect of health, safety, and environment. This should include the limits of your personal responsibility, your legal responsibility for your own health and safety and the health and safety of others

K3 the importance of wearing protective clothing and other appropriate types of safety equipment (PPE) and where to obtain it from

K4 the hazards associated with working on signalling infrastructure

K5 the methods and requirements for work area preparation

K6 the types of materials and components that may be required for the renewal or maintenance of signalling systems

K7 your organisation's procedures and methods for requesting materials and components

K8 the type and complexity of material preparations

K9 how to source and interpret information relating to the correct storage of materials and components

K10 how to check the quality and quantity of materials and components

K11 the types of defects that may occur on materials and components that can be identified by visual means

K12 the methods and techniques for material/component handling and preparation

K13 the types of problems that can occur when obtaining materials and components and how these can be overcome

K14 your organisation's procedures and methods for monitoring the preparation of materials and components

K15 your organisation's procedures the return of defective or surplus materials.

K16 your organisation's procedures for the care, calibration, control, and storage of tools and equipment

K17 the relevant data management processes and technologies for recording and communicating information

K18 the relevant reporting lines, timeframes, and procedures as approved by your

organisation

K19 the interfaces and impact of the work that you are undertaking on others

K20 the allocation of tasks and duties

K21 the benefits of team working and methods to achieve this

K22 the limits of your own authority and responsibility and those of others involved

K23 deal with problems within your control and report those that cannot be resolved

Scope/range

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 signalling equipment for which materials and components may be required for renewal or maintenance could include:
3.
Methods and requirements for work area preparation could include:
4.
Types of materials and components that may be required for the renewal or maintenance of signalling systems could include:
5.
The type and complexity of material preparations could include:
6.
Methods and techniques for material/component handling and preparation could include:
7.
Types of documentation to prepare and report could include:

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Oversee the obtaining and preparing of materials and components needed for the renewal or maintenance of signalling systems



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