

Standard Category **1**

S1166

Cleaning of the track environment

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1 Purpose

The purpose of this standard is to define the cleanliness and tidiness requirements for the track environment.

2 Scope

2.1 The cleaning requirements specified in this standard apply to the following areas:

- a) all sections (running lines and depots):
 - I) the track;
 - II) the surfaces of the casings of trackside equipment;
 - III) the external surfaces of service lines, air pipes, signal and other cable runs, track pipes, installed permanent lighting;
 - IV) the external surfaces of signals and the surfaces of all track signage;
 - V) the track cess, all components listed in Section 5 and voids or drains under the track;
- b) open sections:
 - I) all land between the track cess and the operational boundary fence;
 - II) platform inverts and other features within station grounds;
- c) sub-surface sections:
 - I) the surface of surrounding trackside structures including soffits and vertical structures;
 - II) any areas of limited access in the sub-surface section including, but not limited to, the entrances to shafts and service tunnels;
 - III) platform inverts and other features within station grounds;
- d) tube sections:
 - I) the exposed internal surfaces of tube section running tunnels and spaces behind equipment and trackside panels;
 - II) the upper and lower surfaces of noise reducing screens, where these are installed;
 - III) areas of limited access within the running tunnels including, but not limited to, the entrances to shafts and service tunnels;
 - IV) platform inverts, walls and safety pits, paper traps and other features within station grounds.

2.2 For the purposes of this standard LU property is classified, in line with the Code of Practice on Litter and Refuse (COPLR), as follows:

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- a) Low intensity of use: operational land between the track and operational boundary fence within 100m of platform end;
- b) Special circumstances: operational land between the track and operational boundary fence beyond 100m of platform end.

However, subject to agreement with LU, areas within 100m of platform ends with difficult access arrangements for cleaning may be declared as “special circumstances” and be subject to longer response times (response times are shown in clauses 5.3.5.1 and 5.3.5.2).

3 Requirements

3.1 General

- 3.1.1 Track sections, tunnels, station grounds, walkways and all components shall be cleaned to the required level of cleanliness in conformity with Section 5.
- 3.1.2 Cleaning programmes shall be undertaken to ensure compliance with the requirements of this standard and the Code of Practice on Litter and Refuse made under the Environmental Protection Act 1990.
- 3.1.3 Cleaning activities shall include the safe removal and disposal of refuse, litter and waste materials.
- 3.1.4 Combustible refuse stored in premises pending its disposal shall be stored in an approved area set aside for that purpose.
- 3.1.5 Crossover, step plate and dead end tunnels which form part of the operational railway shall be cleaned as indicated in Section 5.
- 3.1.6 Some cross passages, cable tunnel openings, other spaces in tunnels, and disused tunnels may not be available to staff engaged in routine cleaning. Local managers shall ensure that these areas are kept in a clean condition by the use of other resources if necessary.
- 3.1.7 At certain locations on sub-surface sections of the railway, spaces exist between the track cess and the boundary of LU property outside the area subject to a cleaning programme for station grounds. These areas shall be cleaned to the standard of cleanliness indicated in Section 5.
- 3.1.8 Locations used for the storage of tools and equipment shall be maintained in a clean and safe condition.

3.2 Paper traps

- 3.2.1 Paper traps shall be installed at the run-out ends of platforms in tube sections and adjacent to the end of platforms in the platform safety pits in tube section station grounds. Where trains reverse, they shall be located at both ends of the platform.
- 3.2.2 Where a secondary, deeper platform safety pit exists, a second paper trap shall be fitted.
- 3.2.3 Paper traps shall be inspected in the course of patrolling inspections and maintained to ensure that they are functioning efficiently.

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3.2.4 Paper traps shall be cleaned at maximum intervals of 7 days.

4 Responsibilities

4.1 The Professional Head of Track Engineering is responsible for the technical content of this standard.

4.2 LU and LU Suppliers shall be responsible for compliance with the requirements of this standard.

5 Supporting information

5.1 Safety considerations

The risks that can arise from failure to maintain the appropriate standard of cleanliness include the following:

- a) fires resulting from the accumulation of flammable materials and materials which are capable of creating an electric arc;
- b) destruction of, or damage to, trackside equipment including signal cables, signals, signs, trainstops and points by fires fed by accumulated litter and other flammable materials;
- c) failure of trackside equipment such as switches and trainstops caused by metal objects impeding full operation or shorting electrical supplies;
- d) deterioration or failure of trackside equipment due to ingress of dirt;
- e) masking of signals or signs by accumulations of dirt or litter;
- f) reduced efficiency of track safety inspections by obscuring faults;
- g) increased risk of slips, trips and falls;
- h) increased risk of toxic chemical pollution or substances which contribute to skin disease and other ailments;

with the potential consequences of causing sickness, injury or death of people and disruption.

5.2 Tube tunnel areas covered by this standard

The tube tunnel areas covered by this standard are shown in Figure 1.

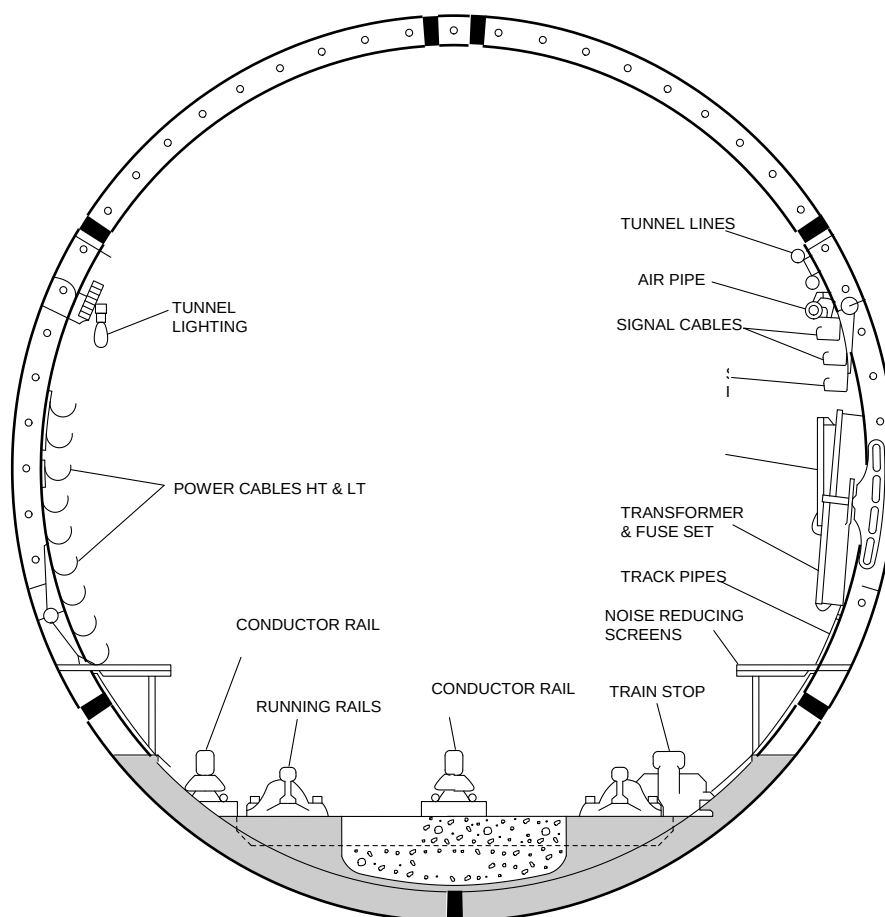


Figure 1 - Tube section track - associated tunnels and station grounds

5.3 Standards of cleanliness

Note: In some cases the illustrations provided in this section show a standard of cleanliness that it may not always be practicable to achieve. Reference should be made to the text for the definitive requirement.

5.3.1 Tube section - running tunnel

a) Tunnel walls including behind equipment

Standard of cleanliness

Clear of accumulations of dust, fluff, oil, grease, flaking finish

Minimum frequency of inspections

Monthly



b) Surface of track equipment, tunnel lines, air pipes, track pipes, cables and lighting

Standard of cleanliness

Clear of litter, oil, grease and accumulations of loose dust

(Photograph not available)

Minimum frequency of inspections

Monthly

c) The upper and lower surfaces of noise reducing screens, behind trackside panels and wall mounted cabinets

Standard of cleanliness

Clear of paper, drinks containers, other litter, oil, grease accumulations of fluff and dust

(Photograph not available)

Minimum frequency of inspections

Monthly