

Category 2 Standard

S2544 Maintenance of Cable (formerly E7163) Runs

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MAYOR OF LONDON

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1 Purpose

- 1.1 This standard defines the minimum maintenance requirements for cable runs installed on London Underground.

2 Scope

- 2.1 This standard shall apply to all cable bracket runs provided for the support of signalling, communications or low voltage power cables, whether mounted on posts, walls, tunnel segments, cable bridges or other structures to include inverts. It shall also apply to troughing runs, to cable strap supports ('ballata' straps) on bridges and other structures, and to access stiles. It does not cover the maintenance of the air main - refer to engineering standard E7155.
- 2.2 Workshop overhaul and factory preparation of moulded cables (for points, trainstop and track crossing purposes) are not covered by this standard.
- 2.3 The primary user of this standard is the Asset Steward.
- 2.4 This standard supersedes E7163 A2, which is withdrawn.

3 Requirements

3.1 Safety considerations

3.1.1 System safety

- 3.1.1.1 Cable runs are installed in close proximity to the gauge limits. Physical displacement may therefore result in them being struck or cables snagged by moving trains with consequent risk of derailment or other damage.

3.1.2 Personnel safety

- 3.1.2.1 Safe systems of work shall be devised and followed for all maintenance activities.
- 3.1.2.2 Cable runs are generally situated adjacent to the track or in inverts and support cables carrying potentially lethal voltages and compressed air pipework. Maintenance activities must therefore guard against the consequent hazards, such as electric shock, moving trains, working in confined spaces, pressure systems, hazardous substances, in accordance with the appropriate statutory regulations, Contract QUENSH conditions and the London Underground Rule Book.
- 3.1.2.3 Manufacturer's instructions shall be obeyed when using London Underground approved chemicals and cleaning agents, in accordance with COSHH regulations.
- 3.1.2.4 Due consideration shall be given to customer safety when conducting maintenance activities in public areas.
- 3.1.2.5 Access and safety equipment must be appropriate for the task concerned, and maintained in accordance with the appropriate standards.

3.1.3 Environmental considerations

- 3.1.3.1 All maintenance activities including vegetation control, disposal of lubricant and toxic wastes, utilisation of energy and materials, shall be carried out in compliance with