

Category 2 Standard

S2545
(Formerly E7164)

Maintenance of Trackside Kiosks and Boxes

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1 Purpose

- 1.1 This standard defines the minimum maintenance requirements for trackside kiosks and boxes containing equipment and cable terminations associated with signalling and signal control systems on London Underground.

2 Scope

- 2.1 This standard applies to all kiosks and boxes described in 1.1 above, except as noted in 2.2 below. Included are: track disconnection boxes, combined termination boxes, 10-core boxes, cable termination cases, relay cases, AC main link boxes, trackside kiosks, electric point heater kiosks, transformer cases, condenser cases, and other similar installations. Although not strictly describable as “trackside”, it also applies to relay room roller shutter kiosks.
- 2.2 This standard does not include maintenance to equipment housed within kiosks and boxes - for this reference shall be made to the appropriate engineering standards such as S2541 (E7159), Maintenance of Track Circuits.
- 2.3 The primary user of this standard shall be the Asset Steward.
- 2.4 This standard supersedes E7164 A3, which is withdrawn.

3 Requirements

3.1 Safety considerations

3.1.1 System safety

- 3.1.1.1 Signalling kiosks and equipment boxes house safety critical assets. Inadequate or improper maintenance activities may undermine the vital integrity of the assets, resulting in collision or derailment.
- 3.1.1.2 Kiosks and boxes are often situated in close proximity to the structure gauge limits. Physical displacement, or failure to secure lids or doors, may result in them being struck by moving trains with consequent risk of derailment or short circuit conditions.

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 Kiosks and boxes are situated close to the track. Maintenance activities must therefore guard against the consequent hazards, such as electric shock, moving trains, hazardous substances, in accordance with the appropriate statutory requirements, Contract QUENSH conditions and the London Underground Rule Book.
- 3.1.2.3 Kiosks and equipment boxes may house electrical terminals carrying lethal voltages. Safe systems of work must therefore take account of this hazard.
- 3.1.2.4 Manufacturer's instructions shall be obeyed when using London Underground approved chemicals and cleaning agents.
- 3.1.2.5 Due consideration shall be given to customer safety when conducting maintenance activities in or near public areas.