

Category 2 Standard

S2537
(Formerly E7153)

Maintenance of Signals, Signs and Indicators

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MAYOR OF LONDON

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1 Purpose

- 1.1 This standard defines the minimum maintenance requirements for the signals, signs and indicators which control or are controlled by train movements used on London Underground.

2 Scope

- 2.1 This standard does not cover the maintenance requirements for disc signals with moving parts, and passenger information video display units. Dot matrix indicators are the subject of engineering standard E7010.
- 2.2 The primary user of this standard is the Asset Steward.
- 2.3 Workshop overhaul is not covered by this standard.
- 2.4 This standard supersedes E7153 A4, which is withdrawn.

3 Requirements

3.1 Safety considerations

3.1.1 System safety

- 3.1.1.1 Signals and some signs and indicators are safety critical assets. The safe running of the railway may be affected either directly or indirectly as a result of a malfunction and through the consequent implementation of procedures for the control of train movements under signal failure 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 Signals, signs and indicators are situated close to the track. Maintenance activities must therefore guard against the consequent hazards such as electric shock, moving trains and hazardous substances in accordance with the appropriate statutory requirements, Contract QUENSH conditions and London Underground Rule Book.
- 3.1.2.3 Due consideration shall be given to customer safety when conducting maintenance activities in public areas.
- 3.1.2.4 Access and safety equipment must be appropriate for the task concerned, and maintained in accordance with the appropriate standards.

3.1.3 Environmental safety

- 3.1.3.1 All maintenance activities including vegetation control, disposal of lubricant and wastes, utilisation of energy and materials, shall be carried out in compliance with present statutory safety and environmental legislation, Contract QUENSH conditions and codes of practice. Assets shall be assessed to identify products and wastes that can be reused, re- cycled or rendered harmless and any discharges controlled to minimise their environmental impact during the whole maintenance procedure.