

Category 2 Standard

S2542 Maintenance of (Formerly E7160) Signalling Equipment Rooms

Issue No.: A4

Issue date: January 2012
Review date: January 2017

MAYOR OF LONDON

 **Documents**
Document Sharing Hub



Contents

1	Purpose	3
2	Scope	3
3	Requirements	3
3.1	Safety considerations	3
3.2	Authorisation	4
3.3	Planning requirements	4
3.4	Inspection requirements	5
3.5	Functional requirements	5
3.6	Annual certified tests	7
3.7	Reporting of failures	7
3.8	Records	7
3.9	Concessions	7
3.10	Verification	7
4	Responsibilities	7
5	Supporting information	8
6	References	8
6.1	Documentary references	8
6.2	Abbreviations	9
6.3	Definitions	9
6.4	Technical content manager	9
6.5	Document history	9

1 Purpose

- 1.1 This standard defines the minimum maintenance requirements for SERs, defined as equipment rooms containing equipment, cable terminations and power supplies associated with London Underground signalling and signal control systems..
- 1.2 It is not normally intended to define methods of maintenance, but where the standard does so it is for particular reasons and the asset maintainer shall adhere to those methods.

2 Scope

- 2.1 The requirements shall apply to rooms containing signalling equipment with the exceptions defined in 2.2 below. The rooms applicable include interlocking machine rooms, air-worked signal cabins, power rooms, relay rooms, floodgate rooms, train describer rooms, and also to the signalling equipment contained in manual signal cabins, shunter's cabins, depot control towers, and other local manned signalling rooms, but not to the structure of the rooms or other facilities and services in these rooms.
- 2.2 This standard shall not apply to central control rooms or to signalling equipment kiosks situated on platforms, which are covered in E7165 and E7164 respectively.
- 2.3 The primary user of this standard shall be the Asset Steward.
- 2.4 It is not normally intended to define methods or tests, but where the standard does so it is for particular reasons and the Asset Steward shall adhere to those methods.
- 2.5 This engineering standard replaces E7160 A3.

3 Requirements

3.1 Safety considerations

3.1.1 System safety

- 3.1.1.1 Signalling equipment rooms house safety critical assets. Inadequate or improper maintenance activities may undermine the vital integrity of the assets, resulting in collision or derailment. Access to such rooms shall be strictly controlled, in accordance with the LU Rule Book.

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 Equipment rooms are often situated away from platforms and walkways, requiring maintenance staff to cross or go close to the track in order to gain access. Safe systems of work must therefore guard against the consequent hazards, such as, electric shock, moving trains and hazardous substances and shall be in accordance with the appropriate statutory regulations and LU rules.
- 3.1.2.3 Equipment rooms may house electrical terminals carrying lethal voltages. Safe systems of work must therefore take account of this hazard.