

Category 1 Standard

S1988 Maintenance and Inspection of Rectifiers

(formerly Powerlink Technical
Specification SP81513 Rev 2)



**Please read the Written Notices
attached to this standard**

Issue No.: A1

Issue date: August 2013
Review date: November 2017

MAYOR OF LONDON



Contents

1	Purpose	3
2	Scope	3
3	Requirements	3
4	Responsibilities	3
5	Supporting Information	4
5.1	Background	4
5.2	Safety, Environment and Customer Considerations	4
6	References	4
6.1	References and Abbreviations	4
6.2	Definitions	4
6.3	Person Accountable for the Document	5
6.4	Document History	5
7	Attachment - Technical Specification SP81513 Rev 2 (Ex Powerlink)	6
1	Scope	6
2	References	6
3	Abbreviations	6
4	Definitions	6
5	Introduction	6
6	Safety	6
7	Rectifiers	7
8	Auxiliaries	7
9	Secondary Wiring and Fuses	7
10	Earthing	7
11	Specified Tools and Handles	7
12	Labelling	8
13	Documentation	8
14	Appendix A Maintenance Periodicities	9
15	Current Written Notices attached to this standard	9



1 Purpose

- 1.1 The purpose of this LU Standard is to apply technical requirements for equipment and systems on the LU power system through the inclusion of a technical specification, previously owned and managed by the Power Service Contractor, UK Power Network Services (UKPNS) Powerlink, as an attachment to this standard.

2 Scope

- 2.1 This Standard applies to equipment and systems on the LU power system.

3 Requirements

- 3.1 The mandatory requirements of this standard are set out in Section 7 as an attachment to this document.
- 3.2 Where an attachment refers to the 'Contractor' it should be taken to mean LU and LU Suppliers following the termination of the Power Service Contract.
- 3.3 Where the attachment refers to the 'System' it should be taken to mean the LU power system including its associated SCADA system and the operational properties.

Note: It is the intention to fully re-work this LU standard into the standards format over a period of time. While the content of the ex-Powerlink specification should not conflict with the remainder of the LU standards suite, should any discrepancies occur, these should be brought to the attention of the LU technical authority.

4 Responsibilities

- 4.1 **The Head of Power Engineering** is responsible for the technical content of this standard. Concessions in relation to this standard shall be directed to the Head of Power Engineering who has overall accountability for compliance with this standard. The Head of Power Engineering may request support from the other technical authorities when reviewing concessions or queries arising from the application of this standard.
- 4.2 **LU and LU Suppliers** shall be responsible for compliance with the requirements of this standard.
- 4.3 **Heads of Profession** are the LU technical authorities for each asset group, and shall be responsible for auditing technical compliance with this standard in accordance with the engineering asset grouping of LU Standard S1041 and with respect to the assurance of assets to which they are accountable for. They shall provide support to the Head of Power Engineering, if requested, with regard to any technical issues arising from concession requests or other queries to this standard.