ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
LPS - LIGHTNING PROTECTION

Document Number: **CRL1-XRL-Z3-ADDSD-CR001-50013**

Document Revision: **4.0**

Document History:

Revision:	Date:	Prepared by:	Checked by:	Authorised by:	Reason for Issue:
000	15-Jun-2012	[redacted]	[redacted]	[redacted]	First Issue
2.0	12-Jul-2013	[redacted]	[redacted]	[redacted]	Updated Uniclass and description
3.0	27-Mar-2014	[redacted]	[redacted]	[redacted]	Updated L Class Allocation
4.0	14-Jan-2015	[redacted]	[redacted]	[redacted]	Updated to Standard Template Format

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1 Introduction

1.1 Purpose

The purpose of this document is to propose options for the identification and classification of Lighting Protection assets.

1.2 Function Details

Function Code:	LPS
Function Name:	LIGHTNING PROTECTION

1.3 Description

The Function Lightning Protection (LPS) refers to a system of assets which protect a building from a lighting strike by safely passing the extremely high voltage to 'ground'. It is expected that this Function will have relatively few asset types associated with it.

2 Asset Tag Identification Rules

Assets will be identified as required by the Asset Identification Standard (CRL1-XRL-O6-STD-CR001-00031), in the following format:

<LCS Code>-<Function Code>-<Incremental number to ensure uniqueness>

e.g. N105-LPS-00401

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3 Scope

3.1 Related L Classes

All information on the configuration of asset classes (L-Class) to functions is contained within the latest revision of the Asset Data Dictionary Master Configuration Document (eB ref: CRL1-XRL-Z3-ADDSD-CR001-50186)

3.2 Location Codes

The Crossrail central section route is divided up into a number of London Coding System sections. The LCS code is used as part of the unique asset identification numbering system.

All information on the configuration of functions to locations is contained within the latest revision of the Asset Data Dictionary Master Configuration document (eB ref: CRL1-XRL-Z3-ADDSD-CR001-50186)

3.3 Out of Scope Items

Items out of scope of the Lightning Protection Function are:

• Earthling and Bonding (ENB): the provision of a common return path for electrical current

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4 Other Information

Not Applicable

5 Reference Material

- Asset Data Dictionary Master Configuration document - CRL1-XRL-Z3-ADDSD-CR001-50186
- Asset Identification Standard - CRL1-XRL-O6-STD-CR001-00031
- Asset Information Provision Procedure - CRL1-XRL-Z3-GPD-CR001-50004

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