ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
ENB – EARTHING AND BONDING

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Learning Legacy Document

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1 Introduction

1.1 Purpose

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

1.2 Function Details

Function Code:	ENB
Function Name:	EARTHING AND BONDING

1.3 Description

The Function Earthing and Bonding (ENB) refers to assets which provide of a common return path for electrical current by creating a low impedance-bonding network to avoid dangerous potential electrical differences between equipment.

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. B071-ENB-00007

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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 Earthing and Bonding Function are:

• Lightning Protection (LPS): Assets related to the sole function of earthing against lightning strikes.

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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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