ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4) L746234 – BUSBAR TRUNKING

Document Number: **CRL1-XRL-Z3-ADDSD-CR001-50546**

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1.0	24/11/14	[redacted]	[redacted]	[redacted]	First Issue
2.0	27-Aug-2015	[redacted]	[redacted]	[redacted]	Labelling Section Updated

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1 Introduction

Not Applicable

1.1 Asset Details

Class Code:	L746234
Class Name:	Busbar Trunking
Class Lineage:	Construction Products>Services>Electric Power and Lighting Services Products>Distribution Devices>Conductors>Busbars>Busbar Trunking

1.2 Description

A Busbar Trunking System (BTS) will be used on Crossrail in one of two locations.

- As the link between the secondary side of the main transformer to feed power to the primary LV switchboards.
- As a link between the LV-A and LV-B switchboards.

The BTS must be 2 hour fire rated if it has to pass a common corridor.

The conductors will be either copper or aluminium. The conductors are encased within a steel enclosure, with integral fire barriers whenever the BTS passes through or breaches a fire compartment/wall.

The BTS system will be used when current ratings are from 400 Amps up to 5000 Amps. Below 400Amps, it is likely that power will be transmitted using fire rated cables.

1.3 Related Functions

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)

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. C125-TSP-12345

Information and guidance on the standard naming convention for all asset classes is contained within the latest revision of the Asset Naming Convention Document (eB ref: CRL1-XR1-Z3-ADDSD-CR001-50413).

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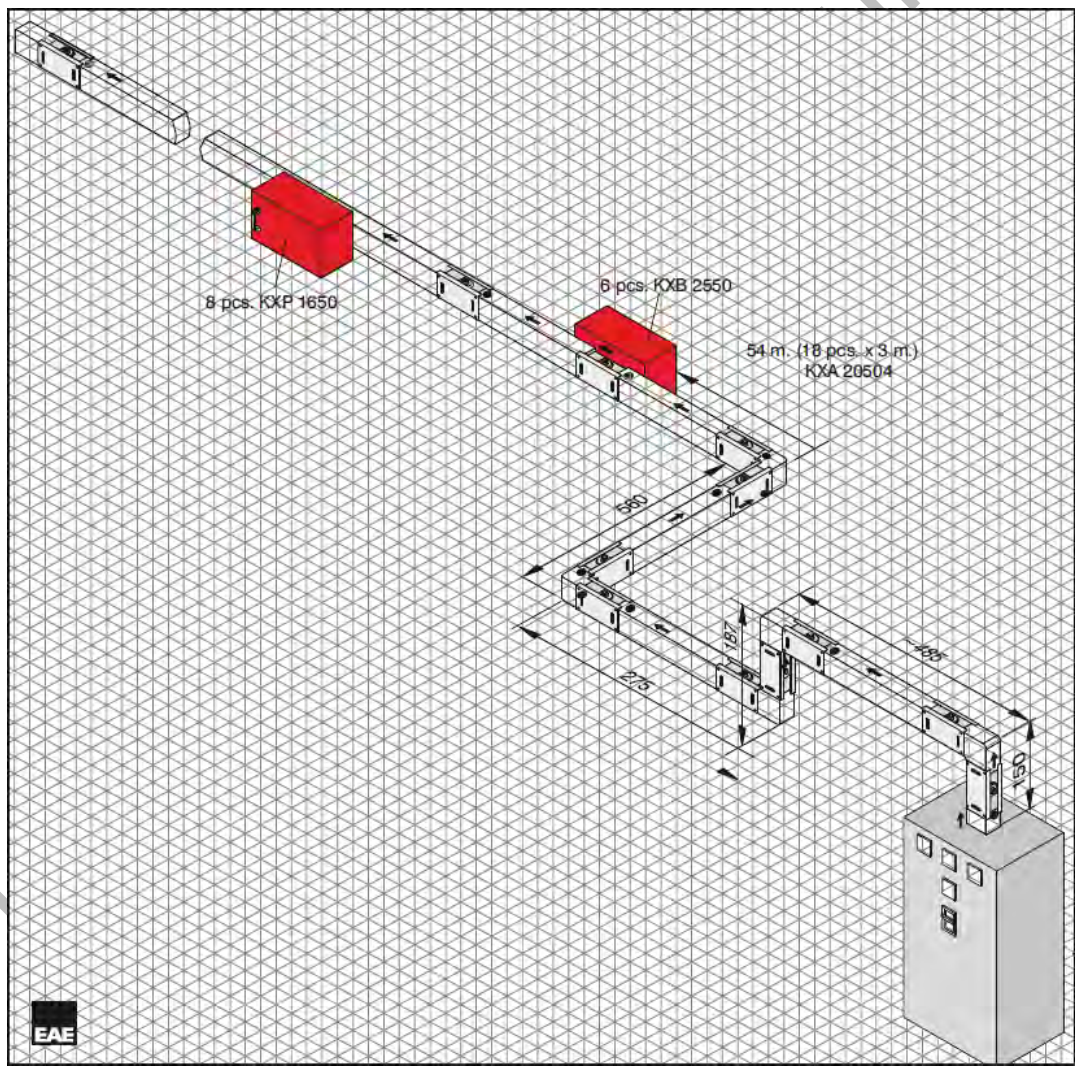
2.1 Example Images



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3 Attributes

3.1 Generic Attributes

All Classes of assets will have a set of Generic Attributes for which data is collected without exception. Full details relating to these assets can be found at:

AD4 – Generic Attributes CRL1-XRL-Z3-ADDSD-CR001-50069

3.2 Class Specific Attributes

Below is a table of the further specific attributes which are associated with this asset class.

Attribute Name	Base Unit or Formula	Value Type (See Below)	Decimal Places (nu Only)	Defined Values List (pd only)	Description
Length (Metres)	Metres	NU	2		Total length of Trunking
Width (Millimetres)	Millimetres	NU	0		Width of Trunking
Depth (Millimetres)	Millimetres	NU	0		Depth of Trunking
Trunking Material		PD		Galv Steel GRP MODAR	Type of material used in the construction of the outer Trunking

pd = Predefined List (Listed Values Only)
nu = Numeric (dp and number format can be stipulated)
ch = Free text (Max 255 Characters)
da = Date (dd-mm-yyyy)
me = Memo (Free text 1GB Limit)

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4 Performance Data

This section is to be used to specify the performance data to be gathered from this Class of asset when in operation. To be populated once the performance measures have been agreed with the Infrastructure Managers.

5 Labelling

Information and guidance on the standard labelling convention for all asset classes is contained within the latest revision of the Asset Naming and Labelling Convention Document (eB ref: CRL1-XR1-Z3-ADDSD-CR001-50413).

6 Other Information

Not Applicable

7 Reference Material

- Asset Data Dictionary Master Configuration document - CRL1-XRL-Z3-ADDSD-CR001-50186
- Asset Identification Standard - CRL1-XRL-O6-STD-CR001-00031
- AD4 – Generic Attributes - CRL1-XRL-Z3-ADDSD-CR001-50069
- <ADD OTHER REFERENCE DOCUMENTS HERE>

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8 Crossrail Technical Approvals

Name	Role	Date
[redacted]	Lead Mechanical & Electrical Plant (MEP) Engineer	02/12/2014

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