ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
L215656 - CURRENT TRANSFORMERS

Document Number: **CRL1-XRL-Z3-ADDSD-CR001-50442**

Document Revision: **2.0**

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Document History:

Revision:	Date:	Prepared by:	Checked by:	Authorised by:	Reason for Issue:
1.0	24-Apr-2014	[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:	L 215656
Class Name:	Current Transformers
Class Lineage:	Construction Products>Civil Engineering Works Products>Transport Control and Monitoring Products>Signalling Products>Automatic Train Control>Train Supervision Systems>Current Transformer

1.2 Description

Current Transformers (CT) are used to measure current and the successful supply from the source i.e. Grid. Often, multiple CTs are installed as a stack for various uses. For example, protection devices and revenue metering may use separate CTs to provide isolation between metering and protection circuits, and allows current transformers with different characteristics (accuracy, overload performance) to be used for the devices.

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

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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
Full Load Current (Amps)	Amps	NU	0		Maximum Amp loading of sensor
Operating Voltage Maximum (Volts)	Volts	NU	0		Maximum voltage sensor can detect
Operating Voltage Minimum (Volts)	Volts	NU	0		Minimum voltage sensor can detect
Thickness (Millimetres)	Millimetres	NU	0		Thickness of cable sensor will operate with

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]	Signalling Manager	23-Jul-2014

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