ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
L74226 – SOLAR PANEL/COLLECTOR

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Learning Legacy Document

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1 Introduction

Not Applicable

1.1 Asset Details

Class Code:	L74226
Class Name:	Solar Panel/Collector
Class Lineage:	Construction Products>Services>Electric power and lighting services products>Transformation devices>Transformers/converters>Solar panel/collector

1.2 Description

A Solar Panel/Collector is a device designed to absorb the sun's rays as a source of energy for generating electricity or heating liquids such as water.

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**
Width (Metres)	Metres	NU	2		Length of single panel from left to right
Height (Metres)	Metres	NU	2		Width of single panel from base to top
DC Output Power (Watts)	Watts	NU	0		Maximum operating power output in Watts
Water Content (m3)	Cubic Metres	NU	0		Water content maximum capacity

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 – CRL1-XRL-Z3-ADDSD-CR001-50186
- Asset Identification Standard – CRL1-XRL-O6-STD-CR001-00031
- AD4 – Generic Attributes – CRL1-XRL-Z3-ADDSD-CR001-50069
- Asset Naming Convention Document – CRL1-XR1-Z3-ADDSD-CR001-50413

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8 Crossrail Technical Approvals

Name	Role	Date
Vikrama Hojird	Mechanical Building Services Engineer	06/10/2016

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