ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
L75256 – AIR COOLED CHILLERS

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5.0	27-Aug-2015	[redacted]	[redacted]	[redacted]	Labelling Section Updated

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1 Introduction

1.1 Asset Details

Class Code:	L75256
Class Name:	Air Cooled Chillers
Class Lineage:	Construction Products>Services>Climate control plant and equipment (HVAC)>Transformation and conversion of energy>Refrigeration/freeze plant>Air Cooled Chillers

1.2 Description

Air cooled chillers are large components of a chilled water system. The chiller houses the refrigerant, compressor & heat rejecter.

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)

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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. CR076-BAF-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).

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
Anti-Vibration Mounts		PD		Required Not Required	Does the unit require Anti-Vibration Mounts
BMS Connection		PD		Controlled & Monitored Monitored Only No BMS Connection	Is the unit connected to the BMS system and if so what is the level of control
Cooling Capacity (kW)	kW	NU	2		What is the total UK nominal cooling capacity of the unit
Full Load Current (Amps)	Amps	NU	0		The maximum safe current in Amps
Height (Millimetres)	Millimetres	NU	0		The height of the unit
Input Voltage (Volts)	Volts	NU	0		The rated operating voltage of the unit
IP Rating		CH			What is the IP rating of the Chiller
Length (Millimetres)	Millimetres	NU	0		The length of the unit
Modular Dry Weight (Kilograms)	Kilograms	NU	2		Dry Weight of the largest Section
Number of Sections (#)	#	NU	0		For modular plant

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Attribute Name	**Base Unit or Formula**	**Value Type** (See Below)	**Decimal Places** (nu Only)	**Defined Values List** (pd only)	**Description**
Refrigerant Type		CH			What type of refrigerant is used in the chillier?
Total Dry Weight (Kilograms)	Kilograms	NU	2		Total Dry weight of Chiller
Width (Millimetres)	Millimetres	NU	0		The width of the unit

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
[redacted]	Lead Mechanical & Electrical Plant (MEP) Engineer	19-Sep-2014

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