ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
L7533 – HVAC FANS

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2.0	11-Oct-2013	[redacted]	[redacted]	[redacted]	Standardisation of Attribute Names and New Branding
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4.0	19-Sep-2014	[redacted]	[redacted]	[redacted]	Approvals Added Consultations Removed
5.0	16-Dec-2016	Kemi Olawale	[redacted]	[redacted]	Class Name Changed Addition of Attribute Asset Description Amended
6.0	27-Aug-2015	[redacted]	[redacted]	[redacted]	Labelling Section Updated
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8.0	26-Aug-2016	[redacted]	[redacted]	[redacted]	Attributes Added

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1 Introduction

1.1 Asset Details

Class Code:	L7533
Class Name:	HVAC Fans
Class Lineage:	Construction Products>Services>Climate control plant and equipment (HVAC)> Impelling equipment >HVAC Fans

1.2 Description

HVAC fans are devices that circulate and/or extract air as part of a heating, ventilation and air conditioning (HVAC) system.

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. 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).

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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**
Anti-Vibration Mounts		PD		Required Not required	Does the unit have Anti-Vibration mountings
ATEX rated		PD		Yes No	Is the fan ATEX rated
BMS Connection		PD		Controlled & Monitored Monitored Only No BMS Connection	IS the unit connected to the BMS and if so how is it controlled
Dry Weight (Kilograms)	Kilograms	NU	2		Dry weight of the unit
Duty Air Flow (Cubic Metres/Sec)	Cubic Metres/Sec	NU	2		Duty flow rate to be delivered
Duty Pressure (Pa)	Pa	NU	0		The duty pressure of the unit
Fan Heat Recovery		PD		Run a-round coil None	The type of Heat Recovery
Fan type		PD		Axial Centrifugal Cross Flow Bifurcated	What is the type of flan
Input Voltage (Volts)	Volts	NU	0		The rated operating voltage of the unit

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Attribute Name	Base Unit or Formula	Value Type (See Below)	Decimal Places (nu Only)	Defined Values List (pd only)	Description
IP Rating		CH			What is the IP rating of the AHU
Maximum Operating Temperature (Degrees Celsius)	Degrees Celsius	NU	2		What is the Maximum Operating Temperature
Motor Drive		PD		DOL Inverter SD	The type of motor in the unit
Power Rating (kW)	kW	NU	2		Power of fan motor
Rotational Speed (RPM)	RPM	NU	0		The maximum safe speed of the fan
Time (Hours)	Hours	NU	2		How long can the unit operate at the maximum temperature
Fan Mounting Location		PD		Surface Mounted Ducts	Mounting location of the fan
Fan Usage		PD		Extraction Supply	If the fan is used for Extraction or supply
Phase		PD		Single Phase Three Phase	The supply phase for the fan 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

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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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