ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
L762534 - ASPIRATING DETECTORS

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4.0	19-Sep-2014	[redacted]	[redacted]	[redacted]	Approvals Added Consultations Removed
5.0	27-Aug-2015	[redacted]	[redacted]	[redacted]	Labelling Section Updated

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Contents

1 Introduction 4
1.1 Asset Details 4
1.2 Description 4
1.3 Related Functions 4
2 Asset Tag Identification Rules 4
2.1 Example Images 5
3 Attributes 6
3.1 Generic Attributes 6
3.2 Class Specific Attributes 6
4 Performance Data 7
5 Labelling 7
6 Other Information 7
7 Reference Material 7
8 Crossrail Technical Approvals 8

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1 Introduction

1.1 Asset Details

Class Code:	L762534
Class Name:	Aspirating Detectors
Class Lineage:	Construction Products>Services>Information/communication services products>Safety and security information systems>Fire/smoke detection/alarm systems>Fire/smoke detectors>Aspirating Detectors

1.2 Description

An aspirating detector consists of a central detection unit which draws air through a network of pipes to detect smoke.

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**
Aspirating Detector Type		CH			Description of the type, the three main ones are: Light Scatter, Cloud Chamber, Particle Counting/evaluation.
Input Voltage (Volts)	Volts	NU	0		The rated operating voltage of the unit
IP Rating		CH			The ingress protection rating of the unit e.g. IP23
Length (Metres)	Metres	NU	2		The total length of the sampling pipes
Number of Inputs (#)	#	NU	0		Number of pipes that can be connected
Number of Interfaces (#)	#	NU	0		Number of system sampling ports
Sensitivity (%Obscuration/Metre)	%Obscuration/Metre	NU	2		The % obscuration per metre that will trigger the system

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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