ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
L762536 - FIRE/SMOKE DETECTORS

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2.0	03-Jun-2014	[redacted]	[redacted]	[redacted]	Corrected Attribute Names Asset Tag Identification Section Updated
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4.0	17-Dec-2014	Kemi Olawale	[redacted]	[redacted]	Attributes Added
5.0	27-Aug-2015	[redacted]	[redacted]	[redacted]	Labelling Section Updated

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1 Introduction

1.1 Asset Details

Class Code: L762536

Class Name: Fire/Smoke Detectors

Class Lineage: Constructions Products>Services>Information/communication services products>Safety and security information systems>Fire/smoke detection/alarm systems>Fire/smoke detectors>Fire/smoke detectors

1.2 Description

A fire/smoke detector is an electronic device that is activated when particles of smoke or increases in heat are detected. On activation the detector transmits a signal to activate alarms or fire suppression equipment.

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**
Ambient Operating Temperature (Degrees Celsius)	Degrees Celsius	NU	2		The nominal operating temperature of the device
Built-in Sounder		PD		Yes No	Does the detector have a built in sounder
Detector Communication Protocol		CH			The communication protocol used by the detector's transmitter
Detector Mechanical Life (Switching Cycles)	Switching Cycles	NU	0		The operating life of the device
Detector Mechanism		PD		Photoelectric Temperature-sensitive	The mechanism by which the device detects

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Attribute Name	**Base Unit or Formula**	**Value Type** (See Below)	**Decimal Places** (nu Only)	**Defined Values List** (pd only)	**Description**
Detector Mounting Type		PD		Surface Mount Panel Mount	How the device is mounted
Detector Principle		PD		Smoke Heat	The environment change that the detector monitors
Detector Release Type		PD		Rotary Release Key Release	The method used to release the device from its mounting
IP Rating		CH			The ingress protection rating of the unit; IP XX
Is Illuminated		PD		Yes No	If the device has an light indicator
Life Time on Battery (Years)	Years	NU	0		The operating life of the battery
Mains Powered		PD		Yes No	Is the detector mains powered
Maximum Power-up Time (Seconds)	Seconds	NU	0		The time it takes to power up the unit
Mounting Diameter (Millimetres)	Millimetres	NU	0		The diameter of the mount
Operating Voltage (Volts)	Volts	NU	0		The nominal operating voltage of the device
Weight (Kilograms)	Kilograms	NU	2		The weight 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 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
- 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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