ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
L71671 - FIRE HYDRANTS

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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:	L71671
Class Name:	Fire hydrants
Class Lineage:	Construction Products>Services>Supply-storage-distribution of liquids and gases>Fixed fire suppression systems>Fire suppression components>Fire hydrants

1.2 Description

A fire hydrant is an upright pipe with a nozzle or spout for drawing water from a water main to use when fighting a fire.

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

eg document

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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
BS Standard		CH			The British standard the asset complies with
Configuration		PD		Bib-nosed Horizontal Oblique Right angle	The outlet configuration
Hose Coupling Size (Millimetres)	Millimetres	NU	0		Description of inside diameters
Hose Coupling Type		CH			Description of type
Hydrant Air Release Valve		PD		Yes No	Does the Hydrant have an air release valve
Hydrant outlet Material		PD		PH Bronze Brass Gun Metal	The material the hydrant is made from
Maximum Valve Operating Pressure (KPa)	KPa	NU	2		The maximum of the range of pressures that the PRV can operate

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Attribute Name	Base Unit or Formula	Value Type (See Below)	Decimal Places (nu Only)	Defined Values List (pd only)	Description
Maximum Working Pressure (kPa)	kPa	NU	2		The maximum safe work pressure
Minimum Valve Operating Pressure (KPa)	KPa	NU	2		The minimum of the range of pressures that the PRV can operate
Number of Outlets (#)	#	NU	0		The number of hydrant outlets
Operational Pressure (kPa)	kPa	NU	2		The standard operational pressure
Outlet Diameter (Millimetres)	Millimetres	NU	0		the diameter of the outlet
Pressure Regulating Valve Installed		PD		Yes No	Pressure regulating valves(PRV) give constant outlet pressure regardless of supply pressure and downstream demand
Volume Flow (Litres/Sec)	Litres/Sec	NU	2		The standard flow rate

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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