ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
L7162 – GASEOUS FIRE SUPPRESSION

Learning Legacy Document

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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:	L7162
Class Name:	Gaseous fire suppression
Class Lineage:	Construction Products>Services>Supply-storage-distribution of liquids and gases>Fixed fire suppression systems>Gaseous fire suppression

1.2 Description

Gaseous fire suppression systems are used in buildings, plant or other structures which use inert gases to extinguish a fire. The suppression material is usually stored in high pressure cylinders and is delivered through a number of valves and pipework. These systems are often used to protect electrical equipment.

This asset class should be used only where the suppression system is a single manufactures' stand-alone system designed for a small area such as one room. Larger fire suppression systems should be broken down into their constituent assets.

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
Bottle Capacity (Litres)	Litres	NU	2		The Capacity of the bottles
Extinguishant		CH			Type of extinguishant
Number of Bottles (#)	#	NU	0		The number of bottles in the asset
Number of Nozzles (#)	#	NU	0		The total number of gas delivery nozzles in the system
Operational Pressure (kPa)	kPa	NU	2		The pressure at which the extinguishant is held
Time (Seconds)	Seconds	NU	0		The time taken to discharge the extinguishant

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

- ISO 14520 - Gaseous Fire Extinguishing systems
- 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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