ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
L75257 – REFRIGERANT PIPE WORK

Document Number: **CRL1-XRL-Z3-ADDSD-CR001-50165**

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6.0	27-Aug-2015	[redacted]	[redacted]	[redacted]	Labelling Section Updated

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1 Introduction

1.1 Asset Details

Class Code:	L75257
Class Name:	Refrigerant Pipe Work
Class Lineage:	Construction Products>Services>Climate control plant and equipment (HVAC)>Transformation and conversion of energy>Refrigeration/freeze plant>Refrigerant Pipe Work

1.2 Description

Refrigerant pipe work refers to pipes used for the movement of a refrigerant around HVAC systems such as for cooling.

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

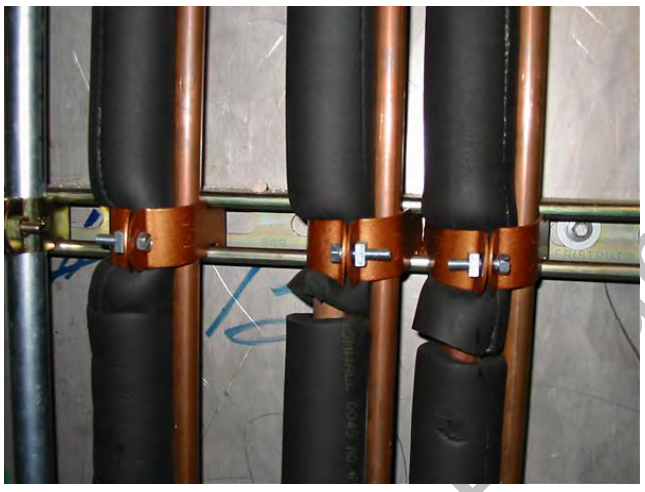
Assets will be identified as required by the Asset Identification Standard (CRL1-XRL-O6-STD-CR001-00031) in the following format:

<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
Insulated		PD		Yes No	Is the asset insulated
Length (Metres)	Metres	NU	2		The total length of the pipe system in metres including flow and return pipes.
Operating Temperature Maximum (Degrees Celsius)	Degrees Celsius	NU	2		What is the maximum operating temperature of the system
Operating Temperature Minimum (Degrees Celsius)	Degrees Celsius	NU	2		What is the minimum operating temperature of the system
Refrigerant Type		CH			Describe the refrigerant type by its number
Total Volume (Litres)	Litres	NU	2		The total volume of fluid required in 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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