ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
L76812 – IP GATEWAY

Document Number: **CRL1-XRL-Z3-ADDSD-CR001-50834**

Document Revision: **1.0**

Learning Legacy Document

Document History:

Revision:	Date:	Prepared by:	Checked by:	Authorised by:	Reason for Issue:
1.0	18-Apr-2016	[redacted]	[redacted]	[redacted]	First Issue

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1 Introduction

1.1 Asset Details

Class Code:	L76812
Class Name:	IP Gateway
Class Lineage:	Construction Products>Services>Information/communication services products>Communication systems>IP Gateway

1.2 Description

An IP Gateway is an interface device to convert SIP and TDM at the edge of the IP network. The gateway uses internet protocols to transmit and receive voice communications.

This class of asset is not to be used for other devices such as Routers which can perform a similar function.

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
Data Rate (Mbps)	Mbps	NU	0		Maximum data rate.
Depth (Millimetres)	Millimetres	NU	0		The maximum depth of the IP Gateway.
Height (Millimetres)	Millimetres	NU	0		The maximum vertical dimension of the IP Gateway.
Width (Millimetres)	Millimetres	NU	0		The maximum horizontal dimension of the IP Gateway.
TDM Telephony	#	NU	0		The maximum number of the E1/T1 trunks.
VoIP Interfaces	#	NU	0		The maximum number of the VoIP Interfaces.
Voice Codecs		CH			The list of used codecs.

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
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