ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4) L7684 - ROUTERS

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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	12-Feb-2014	Kemi Olawale	[redacted]	[redacted]	New 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:	L7684
Class Name:	Routers
Class Lineage:	Construction Products> Information/communication services products> Communication Systems>Routers

1.2 Description

Routers are the electronic modules that forward data packets between computer networks by reading the destination address of the data and forwarding it on accordingly. Routers are the devices that direct data traffic inside and across networks.

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).

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
Depth (Millimetres)	Millimetres	NU	0		The maximum depth of the router.
Height (Millimetres)	Millimetres	NU	0		The maximum vertical dimension of the router.
Input Data Transfer Speed (Gbps)	Gbps	NU	1		The capacity of the router to transfer data from the input to the route processor.
Number of Ethernet Ports (#)	#	NU	0		Number of Ethernet ports
Number of Internal Service Module Slots (#)	#	NU	0		Number of Internal Service Module Slots
Number of POE Ports (#)	#	NU	0		Number of Power over Ethernet Ports within the unit.
Number of Service Module Slots (#)	#	NU	0		Number of Service Module Slots
Number of WAN Interface Slots (#)	#	NU	0		Number of WAN Interface Slots
Output Data Transfer Speed (Gbps)	Gbps	NU	1		The capacity of the router to transfer data from the route processor to the output.

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Attribute Name	**Base Unit or Formula**	**Value Type** (See Below)	**Decimal Places** (nu Only)	**Defined Values List** (pd only)	**Description**
POE Power per Port (Amps)	Amps	NU	2		Power output in Watts of each Port.
Router Mounting		PD		Stand Alone Rack Mounted	Describes whether the route is free standing or rack mounted in an equipment cabinet
Width (Millimetres)	Millimetres	NU	0		The maximum horizontal dimension of the router.

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]	Project Manager - C660 Communications and Control Systems	17-Oct-2014

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