ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4) L761323 - VIDEO ENCODERS & DECODERS

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1 Introduction

1.1 Asset Details

Class Code:	L761323
Class Name:	Video Encoders & Decoders
Class Lineage:	Construction Products> Services > Information-communication services products > General information systems > Audio-visual information > Broadcast receiving equipment > Encoders & Decoders

1.2 Description

Encoders refer to the electrical modules that convert analogue video signals to a digital signal and send the digital signal over a network. This enables the real-time viewing of the images on a remote monitor, or the storage of the signal onto a hard disk. Digital storage of video allows for the quick and easy transfer of data to dispersed locations, higher quality images, easier storage and reduces the risk of image degradation. Decoders perform the opposite task to an encoder, converting the digital signal into an analogue one.

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. C125-BRS-12345

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
Encoder/Decoder Function		PD		Encoder Decoder	The type of electronic device the asset is.
Encoder/Decoder Power Supply		CH			The type of power supply the encoder needs to operate e.g. PS1261-UK, PS1282-10, Power over Ethernet etc.
Number of Ports/Channels (#)	#	NU	0		The number of inputs the encoder or decoder has.
Video Protocol		CH			The video protocol e.g. MPEG H.264 etc.

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

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8 Crossrail Technical Approvals

Name	Role	Date
[redacted]	Project Manager - C660 Communications and Control Systems	19-Sep-2014

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