ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
DOO CCTV CONTROL SUB-SYSTEM

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Learning Legacy Document

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1 Introduction

Not Applicable

1.1 FU Details

Parent PFU/LFU Code:	LFU047
Parent PFU/LFU Name:	LFU for Driver Only Operation (DOO) CCTV PFU
Class Code:	FU067
Class Name:	DOO CCTV Control Sub-system
Class Type:	Linear/Functional

1.2 Description

Also known as 'The Wayside Sub-System', consists of rack-mounted Image Processing, Modulation and Transmission equipment. PAL video signals carrying images captured from each platform mounted video camera are fed internally via coaxial cabling to a Video Distribution Amplifier (VDA) before being acquired and processed by two video processors. Images are cropped, scaled, orientated and spliced by the video processors into two composite images for compliant presentation on the in-cab monitors. Processed images are modulated onto 2x RF carrier signals, which are buffered, combined and output via the Transmission Sub-System. On Bi-directional and turn back platforms (from now on referred to as Bi-directional) images must be re-orientated for compliant presentation to the driver in accordance with the Crossrail Standard for Driver Only Operation CCTV. Additional equipment in the form of the PTDI (Platform Train Data Interface) for receiving re-orientation requests from the Train-borne Sub-System is included as a variant of the Equipment Cabinet for Bi-directional and turnaround platforms only.

Each instance of a DOO CCTV Control Sub-System shall be recorded as a separate FU.

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:

FU-<FU Type Code>-<Incremental number to ensure uniqueness>

E.g. FU-2-01234

2.1 Example Images

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3 Related PFUs/LFUs

All information on the configuration of FUs to PFUs/LFUs is contained within the latest revision of the Asset Data Dictionary Master Configuration Document (eB ref: CRL1-XRL-Z3-ADDSD-CR001-50186)

4 Related L Classes

All information on the configuration of asset classes (L-Class) to FUs 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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5 Attributes

5.1 Generic Attributes

All Classes of FU will have a set of Generic Attributes for which data is collected without exception. Full details relating to these assets can be found at:

CRL1-XRL-Z3-ADDSD-CR001-50666 - AD4 – FU – Generic Attributes

5.2 Class Specific Attributes

Below is a table of the further specific attributes which are associated with this FU class.

Attribute Name	**Base Unit or Formula**	**Value Type** (See Below)	**Decimal Places** (nu Only)	**Defined Values List** (pd only)	**Description**
Not Applicable					

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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6 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).

7 Other Information

Not Applicable

8 Reference Material

- Asset Data Dictionary Master Configuration document - CRL1-XRL-Z3-ADDSD-CR001-50186
- Asset Identification Standard - CRL1-XRL-O6-STD-CR001-00031
- Asset Information Provision Procedure - CRL1-XRL-Z3-GPD-CR001-50004
- Crossrail Asset Information Fundamentals - CRL1-XRL-Z3-GPD-CR001-50007
- Asset Information Glossary - CRL1-XRL-Z3-GUI-CR001-50012
- Asset Information Management Plan - CRL1-XRL-Z3-STP-CR001-50002

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