ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
Airwave Radio System (ACRL)

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Learning Legacy Document

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1 Introduction

Not Applicable

1.1 PFU Details

Class Code:	PFU028
Class Name:	Airwave Radio System (ACRL)
Class Type:	Linear/Functional

1.2 Description

The ACRL Radio System is the Crossrail Airwave Radio System and shall operate as an extension to the National Airwave TETRA Network provided by Airwave Solutions Ltd, who are the authorised UK provider of the Airwave TETRA Radio System for the UK Emergency Services.

The ACRL Radio System excludes:

a All elements provided as part of the National Airwave TETRA Network by Airwave Solutions Ltd

b The RF propagation infrastructure which is separately specified in document, Private Mobile Radio (PMR) Radiating Infrastructure Performance Specification C170-XRL-R3-RSP-CRG03-50001.

The ACRL Radio system across the route will be linked to the Route Control Centre and Back Up Control Facility, therefore the whole system is considered a single Primary Functional Unit (PFU).

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:

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

e.g. PFU-1-01234e.g. PFU-1-12345

2.1 Example Images

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3 Related FUs

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

5 Alternative Identification

The following table identifies any alternative identification which can be applied to this class of PFU and the description/purpose of the identification

Alternative Identification Name	Alternative Identification Description	Alternative Identification Extended Description
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6 Attributes

6.1 Generic Attributes

All Classes of PFU 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-CR001-50634 - AD4 – PFU – Generic Attributes

6.2 Class Specific Attributes

Below is a table of the further specific attributes which are associated with this PFU 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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7 Labelling

Not Applicable

8 Other Information

Not Applicable

9 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
- C170-PBF-R3-RSP-CRG03-00013 - 2C Part 12 Communications and Control Systems Performance Specification Airwave Radio System (ACRL)
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