ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
FDA - FIRE DETECTION AND ALARM

Learning Legacy Document

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Contents

1 Introduction 3
1.1 Purpose 3
1.2 Function Details 3
1.3 Description 3
2 Asset Tag Identification Rules 3
3 Scope 4
3.1 Related L Classes 4
3.2 Location Codes 4
3.3 Out of Scope 4
4 Other Information 5
5 Reference Material 5

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1 Introduction

1.1 Purpose

The purpose of this document is to propose options for the identification and classification of Fire Detection and Alarm assets.

1.2 Function Details

Function Code:	FDA
Function Name:	FIRE DETECTION AND ALARM

1.3 Description

The Function Fire Detection and Alarm (FDA) refers to a system of assets to detect a fire and alert occupants of a building. Both manual detection and automatic detection (of combustion products, typically smoke or heat) are provided.

On detection, the fire system will alert staff, over the Public Address Voice Alarm (PAVA), to investigate. When a fire is confirmed an alarm will be raised to alert occupants. The alarm is via the PAVA system in public areas, instructing people to evacuate, and via sounders or beacons in back of house areas.

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. N105-FDA-00100

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3 Scope

3.1 Related L Classes

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)

3.2 Location Codes

The Crossrail central section route is divided up into a number of London Coding System sections. The LCS code is used as part of the unique asset identification numbering system.

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

3.3 Out of Scope Items

Items out of scope of the Fire Detection and Alarm Function are:

• Fire Compartmentation (FPC): Passive fire resistant assets used to provide a physical barrier to a fire.

• Fire Suppression/extinguish (Active Fire Protection) (FPA): Systems for actively suppressing and/or extinguishing fire.

• Passenger Information (CIS): for example the Public Address & Voice Alarm and Customer Information Systems which will be used to alert passengers in the event of a fire. But these systems will be used for other announcements as well.

• Radio (RAD): Radio systems used in the event of a fire

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4 Other Information

Not Applicable

5 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

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