ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
Shaft

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1 Introduction

Not Applicable

1.1 PFU Details

Class Code:	PFU013
Class Name:	Shaft
Class Type:	Geographic

1.2 Description

Shafts are generally vertical and include all ventilation shafts, maintenance shafts and underground station boxes.

The Shaft Primary Functional Unit (PFU) groups the structural assets that make up a single Shaft within a Geographic Facility.

Service Escalator shaft and Service Lift shafts are counted within this PFU. In addition load bearing lift shafts are also counted within this PFU, a relationship must be made with the applicable girdering PFU at a later date for these types of shafts.

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-2-01234e.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
LU Asset Number	Used to identify the asset by its LU Asset ID	The LU Asset ID is made up of the LCS1 code as well as the LU Asset Instance number.

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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
Shaft Type		PD		Station (Box) Station (Shaft) Access & Intervention Shaft Service Escalator Shaft Lift Shaft (Load Bearing) Lift shaft (Non Load Bearing) Cable Shaft Disused Shaft Pump Shaft	Type of Shaft
Height (Metres)	Metres	NU	2		The overall height of the Shaft
LU Asset Reference Number		CH			London Underground's unique reference number for the asset
Number of Rings - Bolted Cast Iron (#)	#	NU	0		The number of bolted cast iron rings which make up the Shaft
Number of Rings - Expanded Concrete (#)	#	NU	0		The number of expanded concrete rings which make up the Shaft

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Attribute Name	Base Unit or Formula	Value Type (See Below)	Decimal Places (nu Only)	Defined Values List (pd only)	Description
Number of Rings - Flexible Cast Iron (#)	#	NU	0		The number of flexible cast iron rings which make up the Shaft
Number of Rings - Pre-Cast Concrete (#)	#	NU	0		The number of pre-cast concrete rings which make up the Shaft

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

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