ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
Lift

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Contents

1 Introduction **3**
1.1 PFU Details **3**
1.2 Description **3**
2 Asset Tag Identification Rules **3**
2.1 Example Images **3**
3 Related FUs **4**
4 Related L Classes **4**
5 Alternative Identification **4**
6 Attributes **5**
6.1 Generic Attributes **5**
6.2 Class Specific Attributes **5**
7 Labelling **10**
8 Other Information **10**
9 Reference Material **10**

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1 Introduction

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1.1 PFU Details

Class Code:	PFU055
Class Name:	Lift
Class Type:	Geographic

1.2 Description

A Lift Primary Functional Unit (PFU) transports people or goods between floors (levels, decks) of a building. Lifts are generally powered by electric motors that drive traction cables or counterweight systems like a hoist.

Each individual lift shall be considered an instance of a 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-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
Crossrail Drawing Lift Reference		CH			The CRL lift reference as shown on the design/as built drawing.
LU/RFL Renumber		PD		L1 L2 L3 L4 L5 L6 L7 L8 L9 L10 L11 L12 L13	The reference of the Lift assigned by LU and aligns to the CRL design reference number.

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Castell Key Number		CH			The designated Castell Key Number as allocated by the Maintainer.
Lift Type		PD		PRM FF/M FF I/E PRM/M INC	The Lift type as defined by the base design requirements.
Location		CH			Location of the Lifts as defined by the design e.g. Western Ticket Hall and the space ID.
Designation and Floor Stopping		CH			Defined by the design but typically indicates the levels servicd by the Lift.
Capacity (#)	#	NU			Number of persons the Lift is designed to carry.
Loading Capacity (Kilograms)	Kilograms	NU	0		The maximum loading capacity in Kilograms of the Lift.
Speed (Metres per second)	Metres per second	NU	1		The speed of the Lift as determined by the design and function of the lift.
Shaft Size (as per Tier 1 dwg) - Width (Millimetres)	Millimetres	NU	0		Internal width dimension of the shaft.
Shaft Size (as per Tier 1 dwg) - Depth (Millimetres)	Millimetres	NU	0		Internal depth dimension of the shaft.
Minimum Car Size - Width (Millimetres)	Millimetres	NU	0		Internal Floor space width of the Lift car

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Minimum Car Size - Depth (Millimetres)	Millimetres	NU	0		Internal Floor space depth of the Lift car
Kone Requirements - Lift Pit Size (Metres)	Metres	NU	0		The Lift pit size as determined by the design of the Lift. This measurement relates to the distance bewteen the lowest floor to the base of the Lift pit.
EN81-1 - Headroom Size (Metres)	Metres	NU	0		Headroom size (to u/side of eye) in metres to meet the Standard EN81 requirements as designed.
Pan TfL Spec - Headroom Size (Metres)	Metres	NU	0		Headroom size (to u/side of eye) in metres to meet the Standard EN81 requirements as dsigned.
EN81-20 - Headroom size (Metres)	Metres	NU	0		Headroom Size (to u/side of eye) in metres to meet the Standard EN81 requirements as dsigned.
Highest Stopping Level (Metres)	Metres	NU	3		The measurement in meters taken from the agreed CRL Datum point for the station.
Lowest Stopping Level (Metres)	Metres	NU	3		The measurement in meters taken from the agreed CRL Datum point for the station.
Total Rise (Metres)	Metres	NU	3		The difference between the highest and lowest serviced landings.
Number of Stops (#)	#	NU			The number of stops (floors) serviced by the lift.
Door Type and Opening Width		CH			The opening type e.g. centre or side opening, 2 or 4 piece and the opening width of the Lift doors as determined by design and usage e.g. 2pco-1100

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Door Height (Millimetres)	Millimetres	NU	0		The maximum height of the door measured from top to bottom determined by Lift usage.
Through Car		PD		Yes No	Does the Lift have a set of doors at both sides of the Lift car Yes or No.
Architrave		PD		Metal Glass	The primary material of the architrave.
Lift Shaft Type		PD		Concrete Partially Glazed Fritted Glass Frame and glass cladding by specialist Steel Frame with Glass Covering PC	The primary material of the Lift shaft.
Car Type		PD		Metal Glass	Primary construction material of the Lift car.
CWT Safety Gear Req		PD		Yes No	Is Safety Gear required Yes/No determined by the design of the Lift shaft.
Used In Evacuation By Fire Strategy		PD		Yes No	Is the Lift operable in the evacuation of the building as determined by the fire stategy.
Home Floor		CH			The designated 'home floor' as determined by the Fire Strategy.
SiP/ MSOP Location		CH			Location of the Staff Interface Panel and the Master Staff Operations Panel as determined by the Fire strategy and station operations.

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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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