ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
Passageway Connecting Tunnel

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1 Introduction

Not Applicable

1.1 PFU Details

Class Code:	PFU011
Class Name:	Passageway Connecting Tunnel
Class Type:	Geographic

1.2 Description

A Passageway Connecting Tunnel includes tunnels that perform various functions i.e. from the station shafts to platforms, ventilation tunnels etc.

The Passageway Connecting Tunnel Primary Functional Unit (PFU) groups the structural assets that make up one Passageway Connecting Tunnel within a single Geographic Facility; each instance of the PFU contains only the structural assets that make up a single Passageway Connecting Tunnel within a facility.

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
Is Subway		PD		Yes No	Is the Connecting Tunnel a subway; Generally constructed via cut and cover method.
Length (Metres)	Metres	NU	2		The total length in metres of the passageway connecting tunnel. The measurement is taken from the interfaces with the adjoining tunnels.
Height (Metres)	Metres	NU	2		The overall height in metres of the passageway connecting tunnel measured from floor level to centre of tunnel roof (underside).
Depth (Metres)	Metres	NU	2		The depth from street level to top of tunnel structure.
Internal Diameter (Metres)	Metres	NU	2		The internal diameter in metres of the passageway connecting tunnel measured between the widest points.
LU Asset Reference Number		CH			The Number assigned to the asset by LU.
Number of Rings - Bolted Cast Iron (#)	#	NU	0		The number of bolted cast iron rings which make up the Passageway Connecting Tunnel

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Number of Rings - Expanded Concrete (#)	#	NU	0		The number of expanded concrete rings which make up the Passageway Connecting Tunnel
Number of Rings - Flexible Cast Iron (#)	#	NU	0		The number of flexible cast iron rings which make up the Passageway Connecting Tunnel
Number of Rings - Pre-Cast Concrete (#)	#	NU	0		The number of pre-cast concrete rings which make up the Passageway Connecting Tunnel

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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