ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
PFU / FU Admin Attributes

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1 Introduction

The Crossrail Asset Data Dictionary (ADD) is hosted within eB and has the function of providing explicit definition of the relevant classes, functions and attributes.

Contractors are responsible for collecting attribute data for assets as they are installed, and will be required to provide asset information using the agreed data transfer format.

The process of defining and managing the attributes associated with the asset classes in the Crossrail Asset Hierarchy is a vital activity to ensure that Contractors are aware of the attributes required for each asset class.

Each individual class of Primary Functional Unit (PFU) and Functional Unit (FU) has class specific attributes that are associated to that individual class. These class specific attributes are listed within each AD4 Class document as well as the Asset Data Dictionary Master Configuration document (eB ref: CRL1-XRL-Z3-ADDSD-CR001-50186).

Contractors are not required to directly populate any of the Admin Attributes although in some cases their input may be sought in relation to the values to be entered.

Admin Attributes are utilised for a number of reasons in AIMs which can range from the allocation of Primary Functional Units and Functional Units into unique sets for other processes and reporting functions to recording the audit trail of work performed on a PFU or FU.

2 Roles and Responsibilities

The Asset Information Manager acts as Data Steward for the Crossrail Asset Information System (AIMS) by taking an active role in the ownership, population, storage and utilisation of asset information.

Any queries regarding attributes should be directed to the Asset Information Manager.

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3 Attributes

Admin Attribute data is managed against all assets to help administer various processes relating to the PFU or FU whilst they are being developed in the AIMS database. The details and purpose of the Admin Attributes are defined in the following table

Attribute Name	**Base Unit or Formula**	**Value Type** (See Below)	**Decimal Places/Number Format** (nu Only)	**Defined Values List** (pd only)	**Description/Use**
Construction Contract		PD		ABW BH C298 C300 C305 C310 C315 C335 C340 C350 C360 C405 C410 C411 C412 C421 C422 C430 C435 C501 C502 C503 C510 C511 C512 C520 C530 C610 C620 C631 C644 C650 C660 C690 C730 C740 C807 C828 CWC CWG DEMO ONW	Used to allocate a Primary Functional Unit (PFU) or Functional Unit (FU) to the relevant construction contract.

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Attribute Name	**Base Unit or Formula**	**Value Type** (See Below)	**Decimal Places/Number Format** (nu Only)	**Defined Values List** (pd only)	**Description/Use**
System Work Stream		PD		AA	Used to allocate a Primary Functional Unit (PFU) or Functional Unit (FU) to the relevant system work stream.
PFU Type		PD		Geographic Linear/Functional	Only applicable to PFUs. This attribute is used to define the type of PFU instance.
RfL Discipline		PD		Premises Civil Structures (including Tunnels) Pan TfL Contract Mechanical/Electrical Communications Power (HV/OLE) Track Fire Engineering Drainage Control and Information Mechanical (Tunnel Vent) Signalling N/A	Used to allocate a Primary Functional Unit (PFU), Locational Functional Unit (LFU) and Functional Unit (FU) to the relevant RfL discipline for that system if it were to be transferred to RfL.

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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4 Reference Material

- Asset Data Dictionary Master Configuration document - CRL1-XRL-Z3-ADDSD-CR001-50186

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