



TECHNICAL SPECIFICATION

v2.3 – March 2016

AddressBase Premium



Ordnance Survey

Preface	4
Purpose of this specification and disclaimer	4
Copyright in this specification	4
Contact details.....	4
Data copyright and other intellectual property rights	5
Trademarks.....	5
Using this specification	5
Chapter 1 Introduction	6
Available Formats	6
Supply Mechanism	6
Identifiers.....	6
Adherence to Standards.....	6
UML Diagram and Table Conventions	6
File Naming.....	7
Non-geographic chunks (Unzipped)	7
Non-geographic chunks (zipped)	7
Geographic chunks (Unzipped).....	7
Geographic chunks (zipped).....	8
Coordinate Reference Systems (CRS).....	8
Chapter 2 AddressBase Premium Structure	9
Model Overview CSV	9
UML Model of AddressBase Premium in CSV Format.....	9
Model Overview GML.....	11
UML model of AddressBase Premium in GML format.....	11
Table Descriptions	13
Features	15
Header - (Type 10 Record)	15
Street – (Type 11 Record)	16
Street Descriptor – (Type 15 Record)	18
BLPU - (Type 21 Record)	20
Application Cross Reference – (Type 23 Record).....	23
LPI – (Type 24 Record)	24
Delivery Point Address – (Type 28 Record).....	28
MetaData - (Type 29 Record).....	33
Successor Cross Reference – (Type 30 Record).....	35
Organisation – (Type 31 Record)	36
Classification – (Type 32 Record).....	37
Trailer - (Type 99 Record).....	39
AddressBase Supply Set	40
Entity with Lifecycle.....	40
Feature with Lifecycle	40
Code lists and Enumerations	42
AddressbasePostalCode.....	43
CountryCode.....	43
RPCCode	43
BLPUStateCode	44
LanguageCode	44
PostcodeTypeCode	44
OfficialFlagCode	45
ChangeTypeCode	45
USRNMatchIndicatorCode	45
StreetRecordTypeCode.....	45
StreetStateCode.....	46
StreetSurfaceCode	46
StreetClassificationCode.....	46
LogicalStatusCode.....	47

FileTypeCode.....	47
Date.....	47
Time	47
Chapter 3 CSV (Comma-Separated Values) Overview	48
Chapter 4 GML Overview	49
Schema Overview and Internet Location	49
Features	49
Envelope	50
Chapter 5 CSV to GML Mapping	51
Basic Land and Property Unit (BLPU).....	51
Classification.....	51
Delivery Point Address	52
Land Property Identifier (LPI)	53
Organisation.....	54
Application Cross Reference	54
Street.....	55
Street Description.....	55
Successor.....	56
Entity with life cycle.....	56
Feature with life cycle	56
Chapter 6 Change Only Update (COU) Supplies	57
Non Geographic Chunked COU	57
Geographic Chunked COU (tile-based)	57
Archiving	57
Chapter 7 Example Record	58
Single Feature – AddressBase Premium CSV	58
Single Feature – AddressBase Premium GML.....	59

Preface

Purpose of this specification and disclaimer

This is the technical specification (hereafter referred to as the specification) applicable to AddressBase Premium (hereafter referred to as the product) which is referred to in the Framework Contract (Direct Customers), the Framework Contract (Partners) or your other customer contract for the product.

The terms and conditions on which the product is made available to you and your organisation are contained in that customer contract. If you or your organisation has not signed a valid current customer contract then you are not entitled to use the product.

We may change the information in this specification at any time, giving you the notice period specified in the customer contract made between you and Ordnance Survey.

We do not accept responsibility for the content of any third party websites referenced or accessed in or through this specification, any other contractual documentation, and/or the Ordnance Survey website.

Copyright in this specification

This specification, (including for the avoidance of doubt any mapping images reproduced herein), is © Ordnance Survey Limited 2015. All rights reserved.

Any part of this specification may be copied for use internally in your organisation or business so that you can use AddressBase Premium for the purpose for which it is licensed to your organisation or business (but not otherwise).

No part of this specification may be reproduced or transmitted in any form or by any means (including electronically) for commercial exploitation without the prior written consent of Ordnance Survey.

No part of this specification may be copied or incorporated in products, services or publications that you generate for onward sale, or as free promotional or support materials, without the prior written consent of Ordnance Survey.

Contact details

Our Customer Service Centre will be pleased to deal with your enquiries:

Customer Service Centre
Ordnance Survey
Adanac Drive
SOUTHAMPTON
SO16 0AS

General enquiries (calls charged at local rate): +44 (0)3456 05 05 05

Dedicated Welsh Language HelpLine: 03456 05 05 04

Textphone (deaf and hard of hearing users only please): +44 (0)2380 05 6146

customerservices@os.uk

www.os.uk

This document has been screened in accordance with the requirements set out in Ordnance Survey's Equality Scheme. If you have difficulty reading this information in its current format and would like to find

out how to access it in a different format (Braille, large print, computer disk or in another language), please contact us on: +44 (0)34565 05 05 05.

Data copyright and other intellectual property rights

Ordnance Survey or, where applicable its suppliers (including the Crown) owns the intellectual property rights in Ordnance Survey digital map data.

Full details of the terms and conditions under which Ordnance Survey digital map data may be processed and/or manipulated or copied by a customer – whether or not for use on PCs or workstations or for making hard copies – are available from the Customer Service Centre, please see contact details above. You should check the terms and conditions with us before using the data. It is also the responsibility of the holder of the digital map data to ensure that any plotted or printed output contains the following copyright and database right acknowledgements (as applicable) in a conspicuous position:

For data relating to England and Wales:

© Local Government Information House Limited copyright and database rights [year of supply] [licence number]

Or

© Hawlfraint a hawliau cronfa ddata cyfyngedig Tŷ Gwybodaeth ar Lywodraeth Leol [rhify drwydded]

For Scotland:

This product contains data created and maintained by Scottish Local Government

Please note AddressBase Premium contains public sector information licensed under the Open Government Licence v3.0.

Trademarks

Ordnance Survey, AddressBase, GeoPlace, OS MasterMap and TOID are registered trademarks and OS logos are trademarks of Ordnance Survey, Britain's mapping agency.

Adobe and Reader are registered trademarks of Adobe Systems Incorporated.

Royal Mail, PAF and PO Box are registered trademarks of Royal Mail Group Limited / Royal Mail Group plc.

Using this specification

The documentation is supplied in portable document format (PDF) only. Free Adobe® Reader® software, which displays the specification, incorporates search and zoom facilities and allows you to navigate within. Hyperlinks are used to navigate between associated parts of the specification and to relevant Internet resources by clicking on the blue hyperlinks and the table of contents.

Chapter 1 Introduction

AddressBase Premium provides the most detailed view of an address and its life cycle for England, Wales and Scotland. It has more records than AddressBase Plus as it provides all the information relating to an address or property from creation to retirement.

The product contains Local Authority, Ordnance Survey and Royal Mail addresses. This includes alternative addresses for current records where available, indicating variations on the official addresses; and provisional addresses (proposed planning developments), and historic information (demolished properties) where available. OWPA (Objects Without a Postal Address) and Cross References to VOA data and products such as OS Mastermap Topography Layer are also included.

Available Formats

AddressBase Premium is available in two formats:

- Comma-Separated Values (CSV) ,
- Geography Markup Language (GML) version 3.2

Both of these formats can either be supplied as a Full Supply, or Change Only Update (COU). Further information about CSV and GML can be found in Chapter 3 and Chapter 4 respectively.

Supply Mechanism

The primary supply mechanism of AddressBase Premium data is referred to as non-geographic chunks. This is a way of dividing up the data into chunks that are supplied in separate volumes, which have a fixed maximum amount of records. The supply is not supplied with any reference to the geographic position of records.

Public Sector Mapping Agreement (PSMA) and One Scotland Mapping Agreement (OSMA) customers are able to order Geographic chunks (5km tiles) as well as non-geographic chunks, although geographic chunks are not considered the main form of supply.

All customers are also able to take a complete supply (referred to as a Managed Great Britain Set (MGBS)) or an Area of Interest (AOI) as a Full Supply or Change Only Update (COU) supply.

Identifiers

Each address feature will be given a unique identifier in the form of a Unique Property Reference Number (UPRN).

Please be aware this is not the Primary Key for all tables within the AddressBase Premium supply, due to the relational model. Please refer to later sections of this document for further information.

Adherence to Standards

UML Diagram and Table Conventions

The data structure in this document is described by means of UML class diagrams and accompanying tables containing text.

Colour conventions have been used in the diagrams and tables as follows:

In the UML diagram, feature types from the Ordnance Survey product specification are Orange and data types are Purple. All code lists are coloured Blue and enumerations are Green.

The tables which follow in this Technical Specification use orange for a feature type, blue for a code list and green for enumerations.

File Naming

Non-geographic chunks (Unzipped)

If you receive your data as non-geographic chunks; the filename will be constructed as:
productName_supply_ccyy-mm-dd_vvv.format

Where:

ProductName	is AddressBasePremium
supply	is defined as FULL or COU
ccyy-mm-dd	is the date the file was generated
vvv	is the volume number of the file
format	is the format of the files received, for example, CSV or GML

For example:

AddressBasePremium_FULLL_2013-05-28_001.gml (GML full supply)
AddressBasePremium_COU_2013-05-28_001.csv (CSV COU supply)

Non-geographic chunks (zipped)

If the data has been provided in a zip file the following convention will be followed –
productName_supply_ccyy-mm-dd_vvv_format.zip

For example:

AddressBasePremium_FULLL_2013-05-28_001_gml.zip (GML full supply zipped)

Geographic chunks (Unzipped)

If you receive your data as geographic chunks (PSMA and OSMA customers only); the filename will be constructed as:
productName_supply_ccyy-mm-dd_ngxxyy.format

Where:

ProductName	is AddressBasePremium
supply	is defined as FULL or COU
ccyy-mm-dd	is the date the file was generated
ngxxyy	Is the four-digit grid reference belonging to the 1 km south-west corner of the 5 km chunk.
format	is the format of the files received, for example, CSV or GML

For example:

AddressBasePremium_FULLL_2013-05-28_NC4040.gml (GML Full Supply)
AddressBasePremium_COU_2013-05-28_NC4040.csv (CSV COU Supply)

Geographic chunks (zipped)

If the data has been provided in a zip file the following convention will be followed –
productName_supply_ccyy-mm-dd_ngxxyy_format.zip

For example:

AddressBasePremium_COU_2013-05-28_NC4040_csv.zip (CSV COU supply zipped)

Coordinate Reference Systems (CRS)

The AddressBase Premium product will contain two CRS:

- British National Grid (BNG),
- European Terrestrial Reference System 89 (ETRS89).

These CRS can be found in both the BLPU and STREET table, and are described in more detail in [Chapter 2](#).

Chapter 2 AddressBase Premium Structure

The AddressBase Premium product is constructed as per the following UML diagrams:

Model Overview CSV

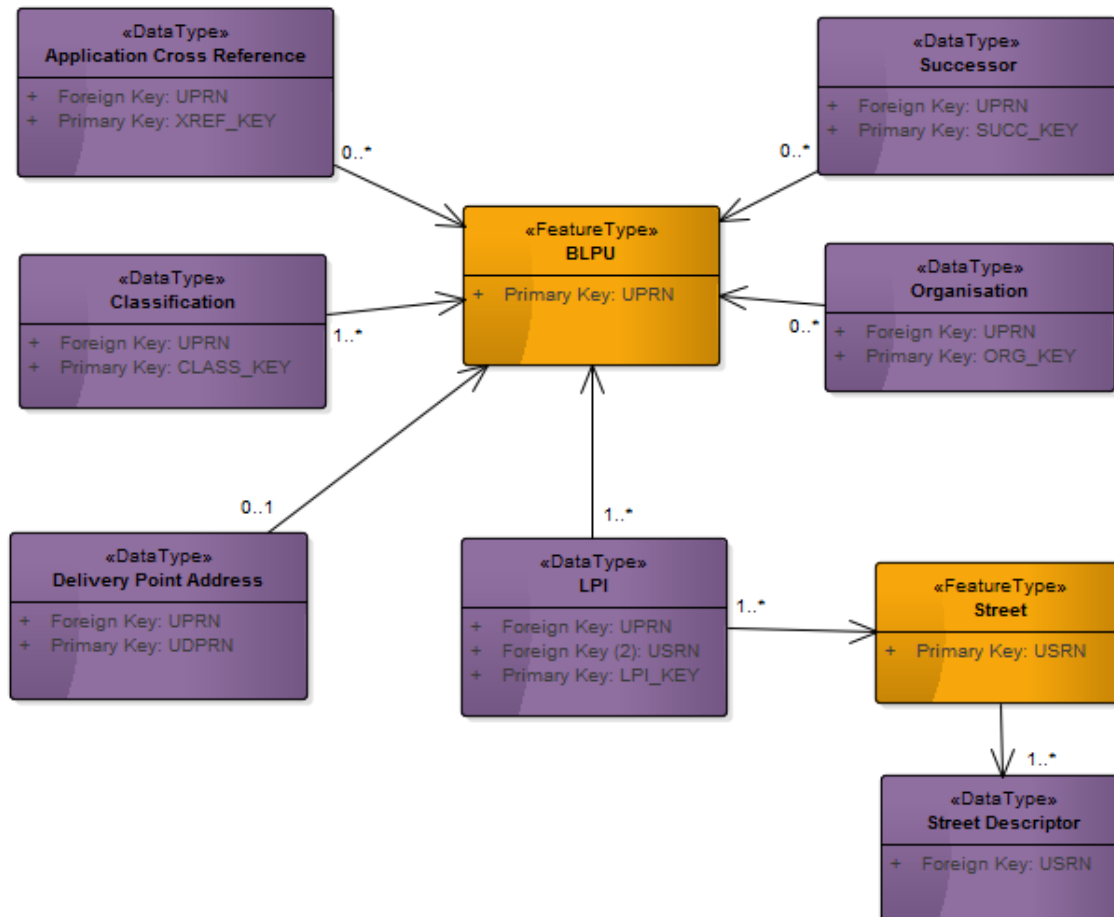


Figure 1 - High level data model representing the CSV AddressBase Premium data model. This diagram shows the relationships between each of the record types and their foreign keys.

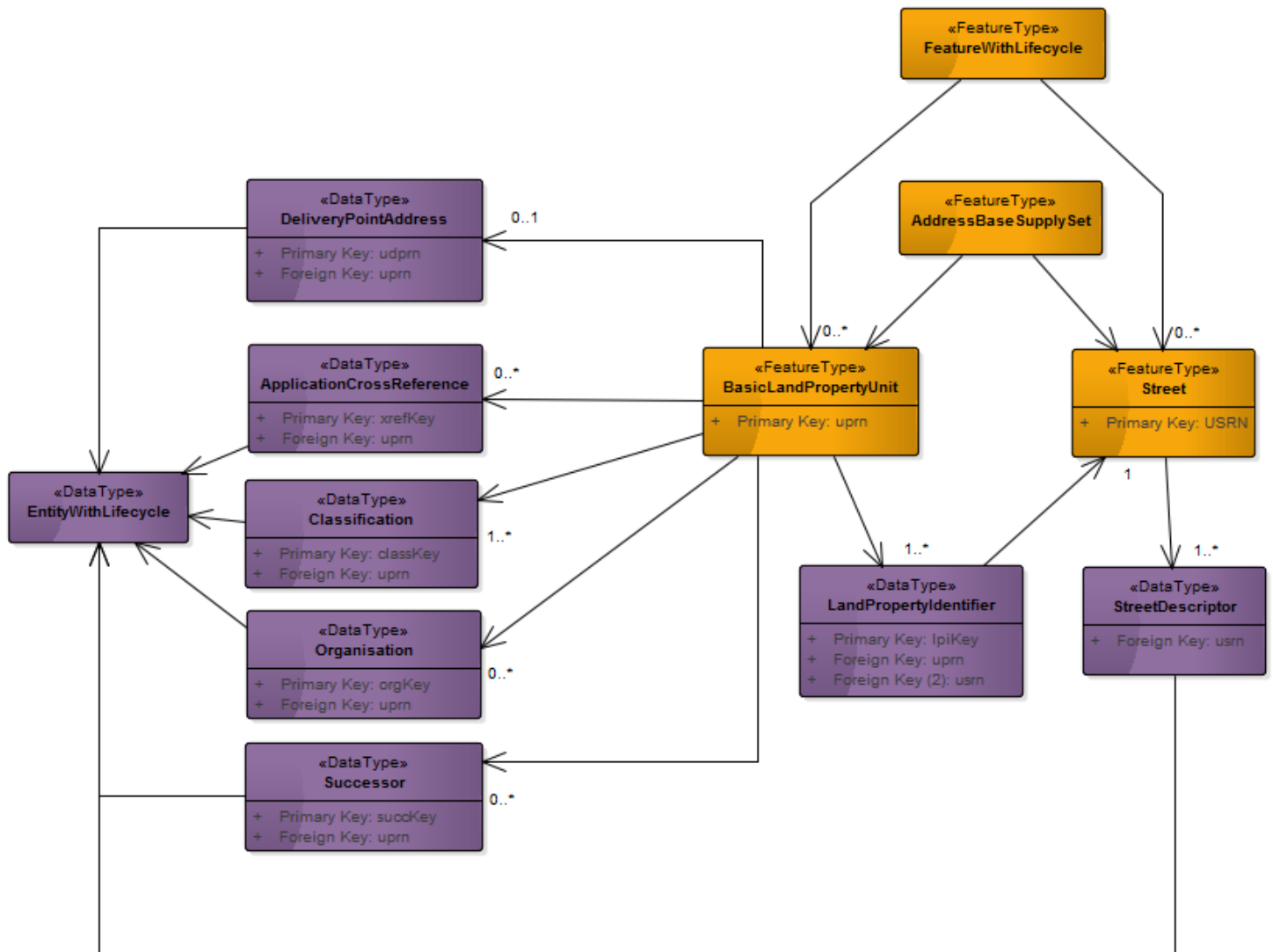
UML Model of AddressBase Premium in CSV Format

Please see following page.



All code lists and enumerations can be found under the attribute tables.

Model Overview GML



UML model of AddressBase Premium in GML format

Please see the following page –

Code lists and enumerations can be found under the attribute tables

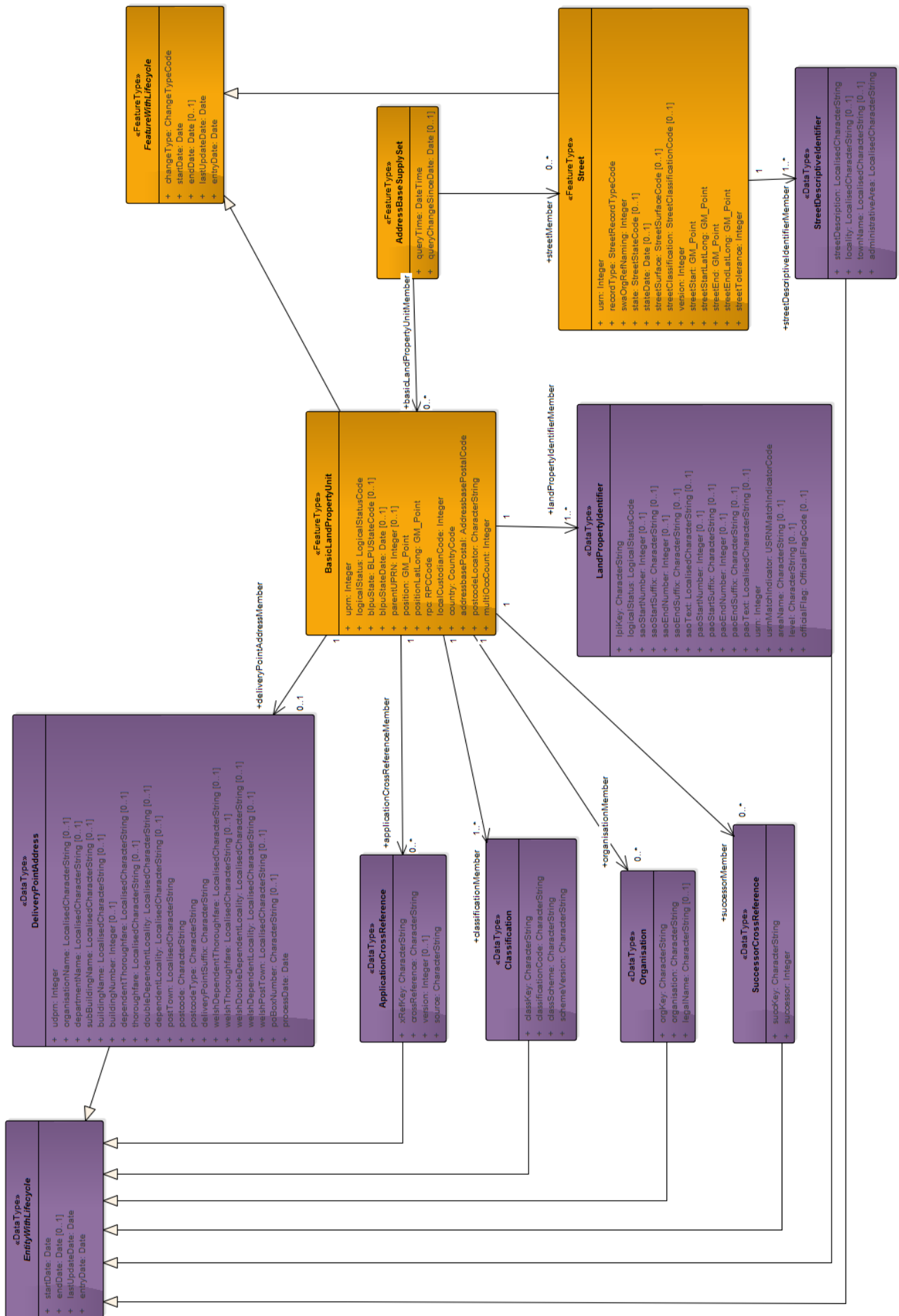


Table Descriptions

Street – record identifier 11	
Definition:	A way or thoroughfare providing a right of way on foot, by cycle or by motor vehicle, or access to more than one property.
Description:	This record assigns a Unique Street Reference Number (USRN) to each street and holds the start and end coordinates of the street feature with information about surface type and classification.

Street Descriptor – record identifier 15	
Definition:	A descriptive identifier providing additional information about the street feature.
Description:	This record holds information about locality, town name and street name.

Basic Land and Property Unit (BLPU) – record identifier 21	
Definition:	A BLPU is defined as a real-world object that is an ‘area of land, property or structure of fixed location having uniform occupation, ownership or function’.
Description:	A real-world object that is of interest and within scope of the CLASS_SCHEME.

Application Cross Reference – record identifier 23	
Definition:	Application cross reference links to third party identifiers.
Description:	AddressBase Premium application cross references contain a lookup between the AddressBase Premium UPRN and the unique identifiers of other relevant datasets.

Local Property Identifier (LPI) – record identifier 24	
Definition:	An LPI is a structured entry that identifies a BLPU.
Description:	A simple identifier or description for the object. The richness of the data structure within AddressBase Premium provides the facility to describe a BLPU by more than one LPI.

Delivery Point Address – record identifier 28	
Definition:	A Delivery Point Address is defined as a property that receives deliveries from Royal Mail®.
Description:	The structure of this address is taken from Royal Mail Postcode Address File (PAF®) and other supplementary data files.

Successor Record – record identifier 30	
Definition:	This record holds references to a UPRN and to any replacement UPRN, for example, if a building is split into two sub-buildings; the sub-building UPRNs will be referenced in the successor record.
Description:	This record holds information about a UPRN and the UPRNs of the records that succeed that record.

Organisation – record identifier 31	
Definition:	A structured entry identifying the name of the current non-domestic occupier of the BLPU.
Description:	This record holds information about the organisation of the record.

Classification – record identifier 32	
Definition:	A structured entry that provides the code for the type of BLPU and the classification scheme from which the code is taken.
Description:	This record holds the classification of a property and allows one to search upon the use of a feature.

The following are contained within CSV only –

Header – record identifier 10	
Definition:	A structured entry that provides key information about the source, time and supply mechanism of the AddressBase Premium file.

Metadata – record identifier 29	
Definition:	A structured entry providing metadata information such as the gazetteer owner, scope and character sets.

Trailer – record identifier 99	
Definition:	A structured entry which terminates the file. This includes information on the record counts, and next volume number.

The following are contained within GML only –

EntityWithLifeCycle	
Definition:	This feature holds the lifecycle information about the data type record.

FeatureWithLifeCycle	
Definition:	This feature holds the lifecycle information about the whole feature.

AddressBaseSupplySet	
Definition:	This feature is formally known as the GML feature collection and is used to define a collection of features.

Features

This section describes the features (one for CSV and two for GML) which make up the AddressBase Premium product, giving the following information about each attribute:

• Name and Definition

The name of the attribute and what it is describing.

• Condition

A condition associated with this attribute. (Optional).

• Attribute Type

The nature of the attribute, for example a numeric value or a code list value.

• Multiplicity

Describes how many times this element is expected to be populated in the data. An attribute may be optional or mandatory within the AddressBase Premium product. These are denoted by:

- '1' – Mandatory - There must be a value
- '0..1' – Optional – If populated a maximum of one attribute will be returned.

These values may be used in combination.

Header - (Type 10 Record)

GML: A Header Record is not provided in GML		CSV: RECORD_IDENTIFIER
Definition: Identifies the record as a Header Record (type 10).		
Type: Integer	Size: 2	Multiplicity: [1]
GML: A Header Record is not provided in GML		CSV: CUSTODIAN_NAME
Definition: Name of the data provider organisation.		
Type: char	Size: 40	Multiplicity: [1]
GML: A Header Record is not provided in GML		CSV: LOCAL_CUSTODIAN_CODE
Definition: Unique identifier for the data provider code.		
Type: Integer	Size: 4	Multiplicity: [1]
GML: A Header Record is not provided in GML		CSV: PROCESS_DATE
Definition: The date on which the data supply was generated.		
Type: Date		Multiplicity: [1]
GML: A Header Record is not provided in GML		CSV: VOLUME_NUMBER
Definition: The sequential number of the volume in the transfer set.		
Type: Integer	Size: 3	Multiplicity: [1]

GML: A Header Record is not provided in GML		CSV: ENTRY_DATE
Definition: Date of data entry for this volume.		
Type: Date		Multiplicity: [1]
GML: A Header Record is not provided in GML		CSV: TIME_STAMP
Definition: Time of file creation in HH:MM:SS format.		
Type: Time		Multiplicity: [1]
GML: A Header Record is not provided in GML		CSV: VERSION
Definition: Version number of the product schema e.g 1.0, 2.0		
Note: The version number relates to the product schema and not this Technical Specification document.		
Type: char	Size: 7	Multiplicity: [1]
GML: A Header Record is not provided in GML		CSV: FILE_TYPE
Definition: States whether the data supply is a Full Supply, or Change Only Supply.		
Type: FileTypeCode	Size: 1	Multiplicity: [1]

Street – (Type 11 Record)

GML: Not provided in GML		CSV: RECORD_IDENTIFIER
Definition: Identifies this record as a Street Record (type 11).		
Type: Integer	Size: 2	Multiplicity: [1]
GML: Provided in FeatureWithLifeCycle		CSV: CHANGE_TYPE
Definition: Type of record change – please see Chapter 6 for more information.		
Type: ChangeTypeCode	Size: 1	Multiplicity: [1]
GML: Not provided in GML		CSV: PRO_ORDER
Definition: The order in which the records were processed in to create the data supply.		
Type: Integer	Size: 16	Multiplicity: [1]
GML: usrn		CSV: USRN
Definition: Unique Street Reference Number (USRN) - the unique key for the record and primary key for the Street table.		
Type: Integer	Size: 8	Multiplicity: [1]
GML: recordType		CSV: RECORD_TYPE
Definition: Description of the street record type, for example whether it is a named or numbered street.		
Type: StreetRecordTypeCode	Size: 1	Multiplicity: [1]

GML: swaOrgRefNaming		CSV: SWA_ORG_REF_NAMING
Definition: The code which identifies the Street Naming and Numbering Authority or the Local Highway Authority.		
Type: Integer	Size: 4	Multiplicity: [1]
GML: state		CSV: STATE
Definition: A code identifying the current state of the Street, 'Open' for example.		
Type: StreetStateCode	Size: 1	Multiplicity: [0..1]
GML: stateDate		CSV: STATE_DATE
Definition: Date at which the street achieved its current state as referenced in the 'State' column.		
Condition: If State Date is present, State must also be present.		
Type: Date		Multiplicity: [0..1]
GML: streetSurface		CSV: STREET_SURFACE
Definition: A code to indicate the surface finish of the street.		
Type: StreetSurfaceCode	Size: 1	Multiplicity: [0..1]
GML: streetClassification		CSV: STREET_CLASSIFICATION
Definition: A code for the primary street classification, for example denoting it to be 'open to all vehicles'.		
Type: StreetClassificationCode	Size: 2	Multiplicity: [0..1]
GML: version		CSV: VERSION
Definition: Version number of the street record.		
Type: Integer	Size: 3	Multiplicity: [1]
GML: Provided in FeatureWithLifeCycle		CSV: STREET_START_DATE
Definition: Date this record or version was inserted into the database.		
Type: Date		Multiplicity: [1]
GML: Provided in FeatureWithLifeCycle		CSV: STREET_END_DATE
Definition: Date on which the street was closed in the product database. This can occur due to the street being permanently closed in the real world.		
Condition: If State is equal to 4, Street End Date must be populated.		
Type: Date		Multiplicity: [0..1]
GML: Provided in FeatureWithLifeCycle		CSV: LAST_UPDATE_DATE
Definition: The date on which any attribute of the Record was last changed.		
Type: Date		Multiplicity: [1]

GML: Provided in FeatureWithLifeCycle		CSV: RECORD_ENTRY_DATE
Definition: The date that the record was entered into the Local Authority database.		
Type: Date		Multiplicity: [1]
GML: streetStart		CSV: STREET_START_X, STREET_START_Y
Definition: A value in metres defining the x and y location in accordance to the British National Grid for the start point of the street.		
Type: GML – GM_POINT CSV - Float	Size: STREET_START_X (precision, scale) – (8, 2) STREET_START_Y (precision, scale) – (9, 2)	Multiplicity: [1]
GML: streetStartLatLong		CSV: STREET_START_LAT, STREET_START_LONG
Definition: A value defining the Latitude and Longitude start point of the street in accordance with the ETRS89 coordinate reference system.		
Type: GML – GM_Point CSV - Float	Size: LATITUDE (precision, scale) – (9, 7) LONGITUDE (precision, scale) – (8, 7)	Multiplicity: [1]
GML: streetEnd		CSV: STREET_END_X, STREET_END_Y
Definition: A value in metres defining the x and y location in accordance to the British National Grid for the end point of the street.		
Type: GML – GM_Point CSV - Float	Size: STREET_END_X (precision, scale) – (8, 2) STREET_END_Y (precision, scale) – (9, 2)	Multiplicity: [1]
GML: streetEndLatLong		CSV: STREET_END_LAT, STREET_END_LONG
Definition: A value defining the Latitude and Longitude end point of the street in accordance with the ETRS89 coordinate reference system.		
Type: GML – GM_Point CSV - Float	Size: LATITUDE (precision, scale) – (9, 7) LONGITUDE (precision, scale) – (8, 7)	Multiplicity: [1]
GML: streetTolerance		CSV: STREET_TOLERANCE
Definition: The accuracy of data capture (in metres) to which the Street Start and End coordinates have been captured.		
Type: Integer	Size: 3	Multiplicity: [1]

Street Descriptor – (Type 15 Record)

GML: Not provided in GML		CSV: RECORD_IDENTIFIER
Definition: Identifies this record as a Street Descriptor record (type 15).		
Type: Integer	Size: 2	Multiplicity: [1]

GML: Not provided in GML on this datatype		CSV: CHANGE_TYPE
Definition: Type of record change – please see Chapter 6 for more information.		
Type: ChangeTypeCode	Size: 1	Multiplicity: [1]
GML: Not provided in GML		CSV: PRO_ORDER
Definition: The order in which the records were processed in to create the data supply.		
Type: Integer	Size: 16	Multiplicity: [1]
GML: Not provided in GML on this datatype		CSV:: USRN
Definition: Unique Street Reference Number (USRN) - used as foreign key to reference the corresponding street record.		
Type: Integer	Size: 8	Multiplicity: [1]
GML: streetDescription		CSV: STREET_DESCRIPTION
Definition: Name, description or Street number for this record.		
Type: GML – LocalisedCharacterString CSV - char	Size: 100	Multiplicity: [1]
GML: locality		CSV: LOCALITY
Definition: A locality defines an area or geographical identifier within a town, village or hamlet. Locality represents the lower level geographical area. The locality field should be used in conjunction with the town name and street description fields to uniquely identify geographic area where there may be more than one within an administrative area.		
Type: GML – LocalisedCharacterString CSV -char	Size: 35	Multiplicity: [0..1]
GML: townName		CSV: TOWN_NAME
Definition: Town Name.		
Condition: Town name must be present if the Street Record Type is 1 or 2 and may be entered for type 3, 4 and 9 Streets.		
Type: GML – LocalisedCharacterString CSV - char	Size: 30	Multiplicity: [0..1]
GML: administrativeArea		CSV: ADMINSTRATIVE_AREA
Definition: Local Highway Authority name for the area this record exists within.		
Type: GML – LocalisedCharacterString CSV – char	Size: 30	Multiplicity: [1]

GML: language qualifiers are provided in the parent element as 'xml:lang'		CSV: LANGUAGE
Definition: A code identifying the language in use for the record.		
Type: LanguageCode	Size: 3	Multiplicity: [1]
GML: Provided in EntityWithLifeCycle		CSV: START_DATE
Definition: Date this record was first created in the database.		
Type: Date		Multiplicity: [1]
GML: Provided in EntityWithLifeCycle		CSV: END_DATE
Definition: The date on which this record ceased to exist.		
Type: Date		Multiplicity: [0..1]
GML: Provided in EntityWithLifeCycle		CSV: LAST_UPDATE_DATE
Definition: The date on which an attribute on this record was last changed.		
Type: Date		Multiplicity: [1]
GML: Provided in EntityWithLifeCycle		CSV: ENTRY_DATE
Definition: The date on which the record was entered into the Local Authority database.		
Type: Date		Multiplicity: [1]

BLPU - (Type 21 Record)

GML: Not provided in GML		CSV: RECORD_IDENTIFIER
Definition: Identifies this record as a BLPU Record (type 21).		
Type: Integer	Size: 2	Multiplicity: [1]
GML: Provided in FeatureWithLifeCycle		CSV: CHANGE_TYPE
Definition: Type of record change – please see Chapter 6 for more information.		
Type: ChangeTypeCode	Size: 1	Multiplicity: [1]
GML: Not provided in GML		CSV: PRO_ORDER
Definition: The order in which the records were processed in to create the data supply.		
Type: Integer	Size: 16	Multiplicity: [1]
GML: uprn		CSV: UPRN
Definition: Unique Property Reference Number (UPRN) assigned by the LLPG Custodian or Ordnance Survey.		
Type: Integer	Size: 12	Multiplicity: [1]

GML: logicalStatus		CSV: LOGICAL_STATUS
Definition: Logical status of this address record as given by the local custodian. This attribute shows whether the address is currently live, provisional or historic.		
Type: LogicalStatusCode	Size: 1	Multiplicity: [1]
GML: blpuState		CSV: BLPU_STATE
Definition: A code identifying the current state of the BLPU.		
Type: BlpuStateCode	Size: 1	Multiplicity: [0..1]
GML: blpuStateDate		CSV: BLPU_STATE_DATE
Definition: Date at which the BLPU achieved its current state as defined in the BLPU State field.		
Condition: BLPU State Date must be present if BLPU State is present.		
Type: Date		Multiplicity: [0..1]
GML: parentUPRN		CSV: PARENT_UPRN
Definition: UPRN of the parent Record if a parent child relationship exists.		
Type: Integer	Size: 12	Multiplicity: [0..1]
GML: position		CSV: X_COORDINATE, Y_COORDINATE
Definition: A value in metres defining the x and y location in accordance to the British National Grid.		
Type: GML – GM_Point CSV - Float	Size: X_COORDINATE (precision, scale) – (8, 2) Y_COORDINATE (precision, scale) – (9, 2)	Multiplicity: [1]
GML: positionLatLong		CSV: LATITUDE, LONGITUDE
Definition: A value defining the Latitude and Longitude location in accordance with the ETRS89 coordinate reference system.		
Type: GML – GM_Point CSV - Float	Size: LATITUDE (precision, scale) – (9, 7) LONGITUDE (precision, scale) – (8, 7)	Multiplicity: [1]
GML: rpc		CSV: RPC
Definition: Representative Point Code: this describes the accuracy of the coordinate that has been allocated to the BLPU as indicated by the local authority custodian.		
Type: RPCCode	Size: 1	Multiplicity: [1]
GML: localCustodianCode		CSV: LOCAL_CUSTODIAN_CODE
Definition: Unique identifier of the Local Authority Custodian responsible for the maintenance of this record.		
Type: Integer	Size: 4	Multiplicity: [1]

GML: country		CSV: COUNTRY
Definition: The country in which a record can be found.		
Type: CountryCode	Size: 1	Multiplicity: [1]
GML: Provided in FeatureWithLifeCycle		CSV: START_DATE
Definition: The date on which the address record was inserted into the database.		
Type: Date		Multiplicity: [1]
GML: Provided in FeatureWithLifeCycle		CSV: END_DATE
Definition: The date on which the address record was closed in the database.		
Type: Date		Multiplicity: [0..1]
GML: Provided in FeatureWithLifeCycle		CSV: LAST_UPDATE_DATE
Definition: The date on which any of the attributes on this record were last changed.		
Type: Date		Multiplicity: [1]
GML: Provided in FeatureWithLifeCycle		CSV: ENTRY_DATE
Definition: The date on which this record was inserted into the Local Authority database.		
Type: Date		Multiplicity: [1]
GML: addressbasePostal		CSV: ADDRESSBASE_POSTAL
Definition: Identifies addresses which are believed to be capable of receiving mail as defined specifically for the AddressBase products, and details their relationship with other AddressBase Postal records. N.B. this field identifies some addresses which the AddressBase product believes to be capable of receiving mail which are not contained within the Royal Mail PAF database, such as flats behind a front door which has a single letter box.		
Type: AddressbasePostalCode	Size: 1	Multiplicity: [1]
GML: postcodeLocator		CSV: POSTCODE_LOCATOR
Definition: This field contains the Royal Mail Postcode Address File (PAF) postcode where the local authority address has been matched to PAF, i.e. the POSTCODE field found within the Delivery Point Address table. Where a match has not been made, the postcode information is sourced from the local authority in collaboration with Royal Mail. Where the local authority do not hold a current valid postcode Code-Point with Polygons® is used to spatially derive the postcode based on the position of the coordinates. This field must be used in conjunction with the RPC field to determine the accuracy of its position.		
Type: GML – CharacterString CSV – char	Size: 8	Multiplicity: [1]
GML: multiOccCount		CSV: MULTI_OCC_COUNT
Definition: This is a count of all of the child UPRNs for this record where a parent-child relationship exists.		
Type: Integer	Size: 4	Multiplicity: [1]

Application Cross Reference – (Type 23 Record)

GML: Not provided in GML		CSV: RECORD_IDENTIFIER
Definition: Identifies this record as an Application Cross Reference Record (type 23).		
Type: Integer	Size: 2	Multiplicity: [1]
GML: Not provided in GML on this datatype		CSV: CHANGE_TYPE
Definition: Type of record change – please see Chapter 6 for more information.		
Type: ChangeTypeCode	Size: 1	Multiplicity: [1]
GML: Not provided in GML		CSV: PRO_ORDER
Definition: The order in which the records were processed in to create the data supply.		
Type: Integer	Size: 16	Multiplicity: [1]
GML: Not provided in GML on this datatype		CSV: UPRN
Definition: Unique Property Reference Number (UPRN) - foreign key used to reference the application cross reference record to the corresponding BLPU.		
Type: Integer	Size: 12	Multiplicity: [1]
GML: xrefKey		CSV: XREF_KEY
Definition: Unique key for the application cross reference record and primary key for this table.		
Type: GML – CharacterString CSV - char	Size: 14	Multiplicity: [1]
GML: crossReference		CSV: CROSS_REFERENCE
Definition: Primary key of corresponding record in an external dataset.		
Type: GML – CharacterString CSV - char	Size: 50	Multiplicity: [1]
GML: version		CSV: VERSION
Definition: Certain data sources may reference objects with lifecycles. This field enables users to reference specific versions of an object e.g. OS MasterMap Topographic Layer TOID and Version.		
Condition: Version must be present if Source value is one of the following: 7666MT, 7666MA or 7666MI		
Type: Integer	Size: 3	Multiplicity: [0..1]
GML: source		CSV: SOURCE
Definition: External dataset identity.		
Type: GML – CharacterString CSV – char	Size: 6	Multiplicity: [1]

GML: Provided in EntityWithLifeCycle		CSV: START_DATE
Definition: Date the feature was matched to the cross reference dataset for the first time.		
Type: Date		Multiplicity: [1]
GML: Provided in EntityWithLifeCycle		CSV: END_DATE
Definition: The date on which the external cross reference was no longer valid.		
Type: Date		Multiplicity: [0..1]
GML: Provided in EntityWithLifeCycle		CSV: LAST_UPDATE_DATE
Definition: The date on which any attribute on this record was last changed.		
Type: Date		Multiplicity: [1]
GML: Provided in EntityWithLifeCycle		CSV: ENTRY_DATE
Definition: The date on which the Local Authority record matched to the cross reference was inserted into the Local Authority database.		
Type: Date		Multiplicity: [1]

Values for the SOURCE (source) column -

Dataset ID	Data source	Multiplicity
7666MT	OS MasterMap Topography Layer TOID.	[0..1]
7666MA	OS MasterMap Address Layer 2 TOID.	[0..1]
7666MI	OS MasterMap Integrated Transport Network TOID.	[0..1]
7666VC	Centrally created Council Tax.	[0..1]
7666VN	Centrally created non domestic rates.	[0..1]
7666OW	ONS Ward Code.	[0..1]
7666OP	ONS Parish Code.	[0..1]

Please note the values above are not a code list and may be amended or extended in the future.

LPI – (Type 24 Record)

GML: Not provided in GML		CSV: RECORD_IDENTIFIER
Definition: Identifies this Record as an LPI Record (type 24).		
Type: Integer	Size: 2	Multiplicity: [1]
GML: Not provided in GML on this datatype		CSV: CHANGE_TYPE
Definition: Type of record change – please see Chapter 6 for more information.		
Type: ChangeTypeCode	Size: 1	Multiplicity: [1]
GML: Not provided in GML		CSV: PRO_ORDER
Definition: The order in which the records were processed in to create the data supply.		
Type: Integer	Size: 16	Multiplicity: [1]

GML: Not provided in GML on this datatype		CSV: UPRN
Definition: Unique Property Reference Number (UPRN) - foreign key used to reference the LPI to the corresponding BLPU.		
Type: Integer	Size: 12	Multiplicity: [1]
GML: lpiKey		CSV: LPI_KEY
Definition: Unique key for the LPI and primary key for this table.		
Type: GML – CharacterString CSV - char	Size: 14	Multiplicity: [1]
GML: language qualifiers are provided in the parent element as ‘xml:lang’		CSV: LANGUAGE
Definition: A code that identifies the language used for the descriptor record.		
Type: LanguageCode	Size: 3	Multiplicity: [1]
GML: logicalStatus		CSV: LOGICAL_STATUS
Definition: Logical status of this record.		
Type: LogicalStatusCode	Size: 1	Multiplicity: [1]
GML: Provided in EntityWithLifeCycle		CSV: START_DATE
Definition: Date that this LPI record was first loaded into the database.		
Type: Date		Multiplicity: [1]
GML: Provided in EntityWithLifeCycle		CSV: END_DATE
Definition: The date this record ceased to exist in the database.		
Type: Date		Multiplicity: [0..1]
GML: Provided in EntityWithLifeCycle		CSV: LAST_UPDATE_DATE
Definition: The last date an attribute on this record was last changed.		
Type: Date		Multiplicity: [1]
GML: Provided in EntityWithLifeCycle		CSV: ENTRY_DATE
Definition: The date on which the record was inserted into the Local Authority database.		
Type: Date		Multiplicity: [1]
GML: saoStartNumber		CSV: SAO_START_NUMBER
Definition: The number of the secondary addressable object (SAO) or the start of the number range.		
Condition: If a SAO Start Number is present a PAO Start Number or PAO text must also be present.		
Type: Integer	Size: 4	Multiplicity: [0..1]
GML: saoStartSuffix		CSV: SAO_START_SUFFIX
Definition: The suffix to the SAO_START_NUMBER.		

Condition: If a SAO Start Suffix is present a SAO Start Number must also be present.		
Type: GML – CharacterString CSV - char	Size: 2	Multiplicity: [0..1]
GML: saoEndNumber		CSV: SAO_END_NUMBER
Definition: The end of the number range for the SAO, where the SAO_START_NUMBER contains the first number in the range.		
Condition: If SAO End Number is present a SAO Start Number must also be present.		
Type: Integer	Size: 4	Multiplicity: [0..1]
GML: saoEndSuffix		CSV: SAO_END_SUFFIX
Definition: The suffix to the SAO_END_NUMBER.		
Condition: If a SAO End Suffix is present a SAO End Number must also be present.		
Type: GML – CharacterString CSV - char	Size: 2	Multiplicity: [0..1]
GML: saoText		CSV: SAO_TEXT
Definition: Contains the building name or description for the SAO.		
Condition: If SAO Text is present a PAO Start Number or PAO Text must also be present.		
Type: GML – LocalisedCharacterString CSV - char	Size: 90	Multiplicity: [0..1]
GML: paoStartNumber		CSV: PAO_START_NUMBER
Definition: The number of the primary addressable object (PAO) or the start of the number range.		
Condition: PAO Start Number must be present if PAO Text is not present.		
Type: Integer	Size: 4	Multiplicity: [0..1]
GML: paoStartSuffix		CSV: PAO_START_SUFFIX
Definition: The suffix to the PAO_START_NUMBER.		
Condition: If a PAO Start Suffix is present a PAO Start Number must also be present.		
Type: GML - CharacterString CSV – char	Size: 2	Multiplicity: [0..1]

GML: paoEndNumber		CSV: PAO_END_NUMBER
Definition: The end of the number range for the PAO where the PAO_START_NUMBER contains the first number in the range.		
Condition: If a PAO End Number is present a PAO Start Number must also be present.		
Type: Integer	Size: 4	Multiplicity: [0..1]
GML: paoEndSuffix		CSV: PAO_END_SUFFIX
Definition: The suffix to the PAO_END_NUMBER.		
Condition: If a PAO End Suffix is present a PAO End Number must also be present.		
Type: GML – CharacterString CSV – char	Size: 2	Multiplicity: [0..1]
GML: paoText		CSV: PAO_TEXT
Definition: Contains the building name or description for the PAO.		
Condition: PAO Text must be present if PAO Start Number is not present.		
Type: GML – LocalisedCharacterString CSV - char	Size: 90	Multiplicity: [0..1]
GML: usrn		CSV: USRN
Definition: Unique Street Reference Number (USRN) - foreign key linking the Street record to the LPI record.		
Type: Integer	Size: 8	Multiplicity: [1]
GML: usrnMatchIndicator		CSV: USRN_MATCH_INDICATOR
Definition: This field indicates how the item was matched to a Street. 1 is matched manually to the most accessible USRN and 2 is matched spatially to the nearest USRN, which may not be the nearest accessible street.		
Type: USRNMatchIndicatorCode	Size: 1	Multiplicity: [1]
GML: areaName		CSV: AREA_NAME
Definition: Third level of geographic area name, for example, to record island names or property groups such as crofts.		
Type: GML – CharacterString CSV - char	Size: 40	Multiplicity: [0..1]
GML: level		CSV: LEVEL
Definition: Detail on the vertical position of the property if known and provided by the Local Authority Custodian.		
Type: GML – CharacterString CSV - char	Size: 30	Multiplicity: [0..1]

GML: officialFlag		CSV: OFFICIAL_FLAG
Definition: Status of the Address.		
Type: OfficialFlagCode	Size: 1	Multiplicity: [0..1]

Delivery Point Address – (Type 28 Record)

GML: Not provided in GML		CSV: RECORD_IDENTIFIER
Definition: Identifies the record as a Royal Mail Delivery Point Address Record (type 28).		
Type: Integer	Size: 2	Multiplicity: [1]
GML: Not provided in GML on this datatype		CSV: CHANGE_TYPE
Definition: Type of record change – please see Chapter 6 for more information.		
Type: ChangeTypeCode	Size: 1	Multiplicity: [1]
GML: Not provided in GML		CSV: PRO_ORDER
Definition: The order in which the records were processed in to create the data supply.		
Type: Integer	Size: 16	Multiplicity: [1]
GML: Not provided in GML on this datatype		CSV: UPRN
Definition: Unique Property Reference Number (UPRN) - foreign key used to reference the DPA record to the corresponding BLPU.		
Type: Integer	Size: 12	Multiplicity: [1]
GML: udprn		CSV: UDPRN
Definition: Royal Mail's Unique Delivery Point Reference Number (UDPRN) and the Primary key for this table.		
Type: Integer	Size: 8	Multiplicity: [1]
GML: organisationName		CSV: ORGANISATION_NAME
Definition: The organisation name is the business name given to a delivery point within a building or small group of buildings. For example: TOURIST INFORMATION CENTRE This field could also include entries for churches, public houses and libraries. Source: Royal Mail		
Condition: Organisation Name must be present if Building Name or Building Number or PO Box Number are all not present.		
Type: GML – LocalisedCharacterString CSV – char	Size: 60	Multiplicity: [0..1]

GML: departmentName		CSV: DEPARTMENT_NAME
Definition: For some organisations, department name is indicated because mail is received by subdivisions of the main organisation at distinct delivery points. For example: Organisation Name: ABC COMMUNICATIONS RM Department Name: MARKETING DEPARTMENT Source: Royal Mail		
Condition: If a Department Name is present an Organisation Name must also be present.		
Type: GML – LocalisedCharacterString CSV – char	Size: 60	Multiplicity: [0..1]
GML: subBuildingName		CSV: SUB_BUILDING_NAME
Definition: The sub-building name and/or number are identifiers for subdivisions of properties. For example: Sub-building Name: FLAT 3 Building Name: POPLAR COURT Thoroughfare: LONDON ROAD <i>NOTE: If the above address is styled 3 POPLAR COURT, all the text will be shown in the Building Name attribute and the Sub-building Name will be empty. The building number will be shown in this field when it contains a range, decimal or non-numeric character (see Building Number).</i> Source: Royal Mail		
Condition: If a Sub Building Name is present a Building Name or Building Number must also be present.		
Type: GML – LocalisedCharacterString CSV - char	Size: 30	Multiplicity: [0..1]
GML: buildingName		CSV: BUILDING_NAME
Definition: The building name is a description applied to a single building or a small group of buildings, such as Highfield House. This also includes those building numbers that contain non-numeric characters, such as 44A. Some descriptive names, when included with the rest of the address, are sufficient to identify the property uniquely and unambiguously, for example, MAGISTRATES COURT. Sometimes the building name will be a blend of distinctive and descriptive naming, for example, RAILWAY TAVERN (PUBLIC HOUSE) or THE COURT ROYAL (HOTEL). Source: Royal Mail		
Condition: Building Name must be present if Organisation Name or Building Number or PO Box Number are all not present.		
Type: GML – LocalisedCharacterString CSV – char	Size: 50	Multiplicity: [0..1]

GML: buildingNumber		CSV: BUILDING_NUMBER
Definition: The building number is a number given to a single building or a small group of buildings, thus identifying it from its neighbours, for example, 44. Building numbers that contain a range, decimals or non-numeric characters do not appear in this field but will be found in the buildingName or the sub-BuildingName fields. Source: Royal Mail		
Condition: Building Number must be present if Organisation Name or Building Name or PO Box Number are all not present.		
Type: Integer	Size: 4	Multiplicity: [0..1]
GML: dependentThoroughfare		CSV: DEPENDENT_THOROUGHFARE
Definition: In certain places, for example, town centres, there are named thoroughfares within other named thoroughfares, for example, parades of shops on a high street where different parades have their own identity. For example, KINGS PARADE, HIGH STREET and QUEENS PARADE, HIGH STREET. Source: Royal Mail		
Condition: If a Dependent Thoroughfare is present a Thoroughfare value must also be present.		
Type: GML – LocalisedCharacterString CSV - char	Size: 80	Multiplicity: [0..1]
GML: thoroughfare		CSV: THOROUGHFARE
Definition: A thoroughfare in AddressBase is fundamentally a road, track or named access route on which there are Royal Mail delivery points, for example, HIGH STREET. Source: Royal Mail		
Type: GML – LocalisedCharacterString CSV - char	Size: 80	Multiplicity: [0..1]
GML: doubleDependentLocality		CSV: DOUBLE_DEPENDENT_LOCALITY
Definition: This is used to distinguish between similar thoroughfares or the same thoroughfare within a dependent locality. For example, Millbrook Industrial Estate and Cranford Estate in this situation: BRUNEL WAY, MILLBROOK INDUSTRIAL ESTATE, MILLBROOK, SOUTHAMPTON and BRUNEL WAY, CRANFORD ESTATE, MILLBROOK, SOUTHAMPTON. Source: Royal Mail		
Condition: If a Double Dependent Locality is present a Dependent Locality must also be present.		
Type: GML – LocalisedCharacterString CSV – char	Size: 35	Multiplicity: [0..1]

GML: dependentLocality		CSV: DEPENDENT_LOCALITY
Definition: Dependent locality areas define an area within a post town. These are only necessary for postal purposes and are used to aid differentiation where there are thoroughfares of the same name in the same locality. For example, HIGH STREET in SHIRLEY and SWAYTHLING in this situation: HIGH STREET, SHIRLEY, SOUTHAMPTON and HIGH STREET, SWAYTHLING, SOUTHAMPTON. Source: Royal Mail		
Type: GML – LocalisedCharacterString CSV - char	Size: 35	Multiplicity: [0..1]
GML: postTown		CSV: POST_TOWN
Definition: The town or city in which the Royal Mail sorting office is located which services this record. There may be more than one, possibly several, sorting offices in a town or city. Source: Royal Mail		
Type: GML – LocalisedCharacterString CSV - char	Size: 30	Multiplicity: [1]
GML: postcode		CSV: POSTCODE
Definition: A postcode is an abbreviated form of address made up of combinations of between five and seven alphanumeric characters. These are used by Royal Mail to help with the automated sorting of mail. A postcode may cover between 1 and 100 addresses. There are two main components of a postcode, for example, NW6 4DP: <ul style="list-style-type: none"> • The outward code (or ‘outcode’). The first two–four characters of the postcode constituting the postcode area and the postcode district, for example, NW6. It is the part of the postcode that enables mail to be sent from the accepting office to the correct area for delivery. • The inward code (or ‘incode’). The last three characters of the postcode constituting the postcode sector and the postcode unit, example, 4DP. It is used to sort mail at the local delivery office. Source: Royal Mail		
Type: GML – CharacterString CSV - char	Size: 8	Multiplicity: [1]
GML: postcodeType		CSV: POSTCODE_TYPE
Definition: Describes the address as a small or large user as defined by Royal Mail. Source: Royal Mail		
Condition: If PO Box number is present Postcode Type must be ‘L’.		
Type: PostcodeTypeCode	Size: 1	Multiplicity: [1]
GML: deliveryPointSuffix		CSV: DELIVERY_POINT_SUFFIX
Definition: A two character code uniquely identifying an individual delivery point within a postcode. Source: Royal Mail		
Type: GML – CharacterString CSV - char	Size: 2	Multiplicity: [1]

GML: welshDependentThoroughfare		CSV: WELSH_DEPENDENT_THOROUGHFARE
Definition: The Welsh translation of DEPENDENT_THOROUGHFARE Source: Royal Mail		
Condition: If a Welsh Dependent Thoroughfare is present, a Welsh Thoroughfare must also be present.		
Type: GML – LocalisedCharacterString CSV - char	Size: 80	Multiplicity: [0..1]
GML: welshThoroughfare		CSV: WELSH_THOROUGHFARE
Definition: The Welsh translation of THOROUGHFARE. Source: Royal Mail		
Type: GML – LocalisedCharacterString CSV - char	Size: 80	Multiplicity: [0..1]
GML: welshDoubleDependentLocality		CSV: WELSH_DOUBLE_DEPENDENT_LOCALITY
Definition: The Welsh translation of Double Dependent Locality. Source: Royal Mail		
Condition: If a Welsh Double Dependent Locality is present, a Welsh Dependent Locality must also be present.		
Type: GML – LocalisedCharacterString CSV - char	Size: 35	Multiplicity: [0..1]
GML: welshDependentLocality		CSV: WELSH_DEPENDENT_LOCALITY
Definition: The Welsh translation of DEPENDENT_LOCALITY. Source: Royal Mail		
Type: GML – LocalisedCharacterString CSV – char	Size: 35	Multiplicity: [0..1]
GML: welshPostTown		CSV: WELSH_POST_TOWN
Definition: The Welsh translation of post town value. Source: Royal Mail		
Type: GML – LocalisedCharacterString CSV - char	Size: 30	Multiplicity: [0..1]
GML: poBoxNumber		CSV: PO_BOX_NUMBER
Definition: Post Office Box (PO Box®) number. Source: Royal Mail		

Condition: Organisation Name or PO Box Number must be present if Building Name or Building Number are all not present.		
Type: GML – CharacterString CSV - char	Size: 6	Multiplicity: [0..1]
GML: processDate		CSV: PROCESS_DATE
Definition: The date on which the PAF record was processed into the database.		
Type: Date		Multiplicity: [1]
GML: Provided in EntityWithLifeCycle		CSV: START_DATE
Definition: The date on which the PAF record was first loaded by Geoplace.		
Type: Date		Multiplicity: [1]
GML: Provided in EntityWithLifeCycle		CSV: END_DATE
Definition: The date on which the PAF record no longer existed in the database.		
Type: Date		Multiplicity: [0..1]
GML: Provided in EntityWithLifeCycle		CSV: LAST_UPDATE_DATE
Definition: The date on which any attribute on this record was last changed.		
Type: Date		Multiplicity: [1]
GML: Provided in EntityWithLifeCycle		CSV: ENTRY_DATE
Definition: The date on which the address record matched to the Delivery Point Address was entered into the Local Authority database.		
Type: Date		Multiplicity: [1]

MetaData - (Type 29 Record)

GML: A Metadata Record is not provided in GML		CSV: RECORD_IDENTIFIER
Definition: Identifies the record as a Metadata Record (type 29).		
Type: Integer	Size: 2	Multiplicity: [1]
GML: A Metadata Record is not provided in GML		CSV: GAZ_NAME
Definition: Name of the Gazetteer, this will most likely reflect the product name e.g. AddressBase Premium.		
Type: char	Size: 60	Multiplicity: [1]
GML: A Metadata Record is not provided in GML		CSV: GAZ_SCOPE
Definition: Description of the content of the gazetteer.		
Type: char	Size: 60	Multiplicity: [1]

GML: A Metadata Record is not provided in GML		CSV: TER_OF_USE
Definition: Geographic domain of the gazetteer, for example, England, Wales and Scotland.		
Type: char	Size: 60	Multiplicity: [1]
GML: A Metadata Record is not provided in GML		CSV: LINKED_DATA
Definition: List of other datasets used to contribute to the creation of the product.		
Type: char	Size: 100	Multiplicity: [1]
GML: A Metadata Record is not provided in GML		CSV: GAZ_OWNER
Definition: The organisation with overall responsibility for the gazetteer.		
Type: char	Size: 15	Multiplicity: [1]
GML: A Metadata Record is not provided in GML		CSV: NGAZ_FREQ
Definition: Frequency with which the data is maintained and sent to the customer.		
Type: char	Size: 1	Multiplicity: [1]
GML: A Metadata Record is not provided in GML		CSV: CUSTODIAN_NAME
Definition: Organisation or department responsible for the compilation and maintenance of the data, for example Geoplace.		
Type: char	Size: 40	Multiplicity: [1]
GML: A Metadata Record is not provided in GML		CSV: CUSTODIAN_UPRN
Definition: Unique Property Reference Number (UPRN) of the custodian location.		
Type: Integer	Size: 12	Multiplicity: [1]
GML: A Metadata Record is not provided in GML		CSV: LOCAL_CUSTODIAN_CODE
Definition: Four-digit code identifying the gazetteer custodian.		
Type: Integer	Size: 4	Multiplicity: [1]
GML: A Metadata Record is not provided in GML		CSV: CO_ORD_SYSTEM
Definition: Coordinate Reference System used in the gazetteer to describe the position, for example British National Grid.		
Type: char	Size: 40	Multiplicity: [1]
GML: A Metadata Record is not provided in GML		CSV: CO_ORD_UNIT
Definition: Unit of measurement of coordinates.		
Type: char	Size: 10	Multiplicity: [1]
GML: A Metadata Record is not provided in GML		CSV: META_DATE
Definition: Date metadata was last updated.		
Type: Date		Multiplicity: [1]

GML: A Metadata Record is not provided in GML		CSV: CLASS_SCHEME
Definition: Classification scheme (s) used in the Gazetteer.		
Type: char	Size: 60	Multiplicity: [1]
GML: A Metadata Record is not provided in GML		CSV: GAZ_DATE
Definition: Date at which the gazetteer can be considered to be current.		
Type: Date		Multiplicity: [1]
GML: A Metadata Record is not provided in GML		CSV: LANGUAGE
Definition: Language used for the descriptors within the gazetteer, for example 'ENG'.		
Type: LanguageCode	Size: 3	Multiplicity: [1]
GML: A Metadata Record is not provided in GML		CSV: CHARACTER_SET
Definition: The character set used in this gazetteer.		
Type: char	Size: 30	Multiplicity: [1]

Successor Cross Reference – (Type 30 Record)

GML: Not provided in GML		CSV: RECORD_IDENTIFIER
Definition: Identifies this record as a Successor Cross Reference (type 30).		
Type: Integer	Size: 2	Multiplicity: [1]
GML: Not provided in GML on this datatype		CSV: CHANGE_TYPE
Definition: Type of record change – please see Chapter 6 for more information.		
Type: ChangeTypeCode	Size: 1	Multiplicity: [1]
GML: Not provided in GML		CSV: PRO_ORDER
Definition: The order in which the records were processed in to create the data supply.		
Type: Integer	Size: 16	Multiplicity: [1]
GML: uprn		CSV: UPRN
Definition: Unique Property Reference Number.		
Type: Integer	Size: 12	Multiplicity: [1]
GML: succKey		CSV: SUCC_KEY
Definition: Key value to uniquely identify the successor cross reference record and the primary key for this table.		
Type: GML – CharacterString CSV – char	Size: 14	Multiplicity: [1]

GML: Provided in EntityWithLifeCycle		CSV: START_DATE
Definition: Date on which the record was first loaded into the database.		
Type: Date	Multiplicity: [1]	
GML: Provided in EntityWithLifeCycle		CSV: END_DATE
Definition: The date on which the record ceased to exist.		
Type: Date	Multiplicity: [0..1]	
GML: Provided in EntityWithLifeCycle		CSV: LAST_UPDATE_DATE
Definition: The date on which any attribute on this record was last changed.		
Type: Date	Multiplicity: [1]	
GML: Provided in EntityWithLifeCycle		CSV: ENTRY_DATE
Definition: The date on which the UPRN attached to this record was entered into the Local Authority database.		
Type: Date	Multiplicity: [1]	
GML: successor		CSV: SUCCESSOR
Definition: UPRN of successor BLPU.		
Type: Integer	Size: 12	Multiplicity: [1]

Organisation – (Type 31 Record)

GML: Not provided in GML		CSV: RECORD_IDENTIFIER
Definition: Identifies this as an Organisation Record (type 31).		
Type: Integer	Size: 2	Multiplicity: [1]
GML: Not provided in GML on this datatype		CSV: CHANGE_TYPE
Definition: Type of record change – please see Chapter 6 for more information.		
Type: ChangeTypeCode	Size: 1	Multiplicity: [1]
GML: Not provided in GML		CSV: PRO_ORDER
Definition: The order in which the records were processed in to create the data supply.		
Type: Integer	Size: 16	Multiplicity: [1]
GML: Not provided in GML on this datatype		CSV: UPRN
Definition: Unique Property Reference Number (UPRN) - foreign key used to reference the organisation record to the corresponding BLPU.		
Type: Integer	Size: 12	Multiplicity: [1]

GML: orgKey		CSV: ORG_KEY
Definition: Unique key for the organisation record and primary key for this table.		
Type: GML – CharacterString CSV - char	Size: 14	Multiplicity: [1]
GML: organisation		CSV: ORGANISATION
Definition: Name of the organisation currently occupying the address record as provided by the local authority custodian.		
Type: GML – CharacterString CSV - char	Size: 100	Multiplicity: [1]
GML: legalName		CSV: LEGAL_NAME
Definition: Registered legal name of the organisation.		
Type: GML – CharacterString CSV - char	Size: 60	Multiplicity: [0..1]
GML: Provided in EntityWithLifeCycle		CSV: START_DATE
Definition: The date on which this record was first loaded into the database.		
Type: Date		Multiplicity: [1]
GML: Provided in EntityWithLifeCycle		CSV: END_DATE
Definition: The date on which this record ceased to exist.		
Type: Date		Multiplicity: [0..1]
GML: Provided in EntityWithLifeCycle		CSV: LAST_UPDATE_DATE
Definition: The date on which an attribute on this record was last changed.		
Type: Date		Multiplicity: [1]
GML: Provided in EntityWithLifeCycle		CSV: ENTRY_DATE
Definition: The date on which the UPRN linked to this record was entered into the Local Authority database.		
Type: Date		Multiplicity: [1]

Classification – (Type 32 Record)

GML: Not provided in GML		CSV: RECORD_IDENTIFIER
Definition: Identifies this record as a Classification Record (type 32).		
Type: Integer	Size: 2	Multiplicity: [1]

GML: Not provided in GML on this datatype		CSV: CHANGE_TYPE
Definition: Type of record change – please see Chapter 6 for more information.		
Type: ChangeTypeCode	Size: 1	Multiplicity: [1]
GML: Not provided in GML		CSV: PRO_ORDER
Definition: The order in which the records were processed in to create the data supply.		
Type: Integer	Size: 16	Multiplicity: [1]
GML: Not provided in GML on this datatype		CSV: UPRN
Definition: Unique Property Reference Number (UPRN) - foreign key used to reference the classification records to the corresponding BLPU.		
Type: Integer	Size: 12	Multiplicity: [1]
GML: classKey		CSV: CLASS_KEY
Definition: Unique key for the classification record and primary key for this table.		
Type: GML – CharacterString CSV - char	Size: 14	Multiplicity: [1]
GML: classificationCode		CSV: CLASSIFICATION_CODE
Definition: A code that describes the classification of the record.		
Type: GML – CharacterString CSV - char	Size: 6	Multiplicity: [1]
GML: classScheme		CSV: CLASS_SCHEME
Definition: The name of the classification scheme used for this record.		
Type: GML – CharacterString CSV - char	Size: 60	Multiplicity: [1]
GML: schemeVersion		CSV: SCHEME_VERSION
Definition: The classification scheme number.		
Type: GML – CharacterString CSV - float	Size: (precision, scale) – 2(1)	Multiplicity: [1]
GML: Provided in EntityWithLifeCycle		CSV: START_DATE
Definition: Date that this classification record was first loaded into the database.		
Type: Date		Multiplicity: [1]

GML: Provided in EntityWithLifeCycle		CSV: END_DATE
Definition: Date this classification record ceased to exist.		
Type: Date	Multiplicity: [0..1]	
GML: Provided in EntityWithLifeCycle		CSV: LAST_UPDATE_DATE
Definition: The date on which an attribute on this record was last changed.		
Type: Date	Multiplicity: [1]	
GML: Provided in EntityWithLifeCycle		CSV: ENTRY_DATE
Definition: The date on which the address record associated with this classification record was inserted into the Local Authority database.		
Type: Date	Multiplicity: [1]	

Trailer - (Type 99 Record)

GML: A Header Record is not provided in GML		CSV: RECORD_IDENTIFIER
Definition: Identifies the record as a Trailer Record (type 99).		
Type: Integer	Size: 2	Multiplicity: [1]
GML: A Header Record is not provided in GML		CSV: NEXT_VOLUME_NAME
Definition: The sequential number of the next volume in the transfer set. For geographic supply this will always be zero (0). For non-geographic supply zero (0) will denote the last file in the transfer set.		
Type: Integer	Size: 3	Multiplicity: [1]
GML: A Header Record is not provided in GML		CSV: RECORD_COUNT
Definition: Count of the number of records in the volume (excluding the header record, metadata and trailer records).		
Type: Integer	Size: 16	Multiplicity: [1]
GML: A Header Record is not provided in GML		CSV: ENTRY_DATE
Definition: The date of data entry.		
Type: Date	Multiplicity: [1]	
GML: A Header Record is not provided in GML		CSV: TIME_STAMP
Definition: Time of creation in HH:MM:SS.		
Type: Time	Multiplicity: [1]	

AddressBase Supply Set

This is not supplied as part of the CSV supply. Please see [Model Overviews](#) earlier in this chapter.

GML: queryTime	CSV: Not in CSV
Definition: Time the data was extracted from the database.	
Type: DateTime	Multiplicity: [1]
GML: queryChangeSinceDate	CSV: Not in CSV
Definition: The date given as part of a change-only query	
Type: Date	Multiplicity: [0..1]

Entity with Lifecycle

GML: startDate	CSV: Not in CSV
Definition: Date on which the record was first loaded into the database.	
Type: Date	Multiplicity: [1]
GML: endDate	CSV: Not in CSV
Definition: The date on which the record ceased to exist.	
Type: Date	Multiplicity: [0..1]
GML: lastUpdateDate	CSV: Not in CSV
Definition: The date on which any attribute on this record was last changed.	
Type: Date	Multiplicity: [1]
GML: entryDate	CSV: Not in CSV
Definition: The date on which the record was entered into the Local Authority database.	
Type: Date	Multiplicity: [1]

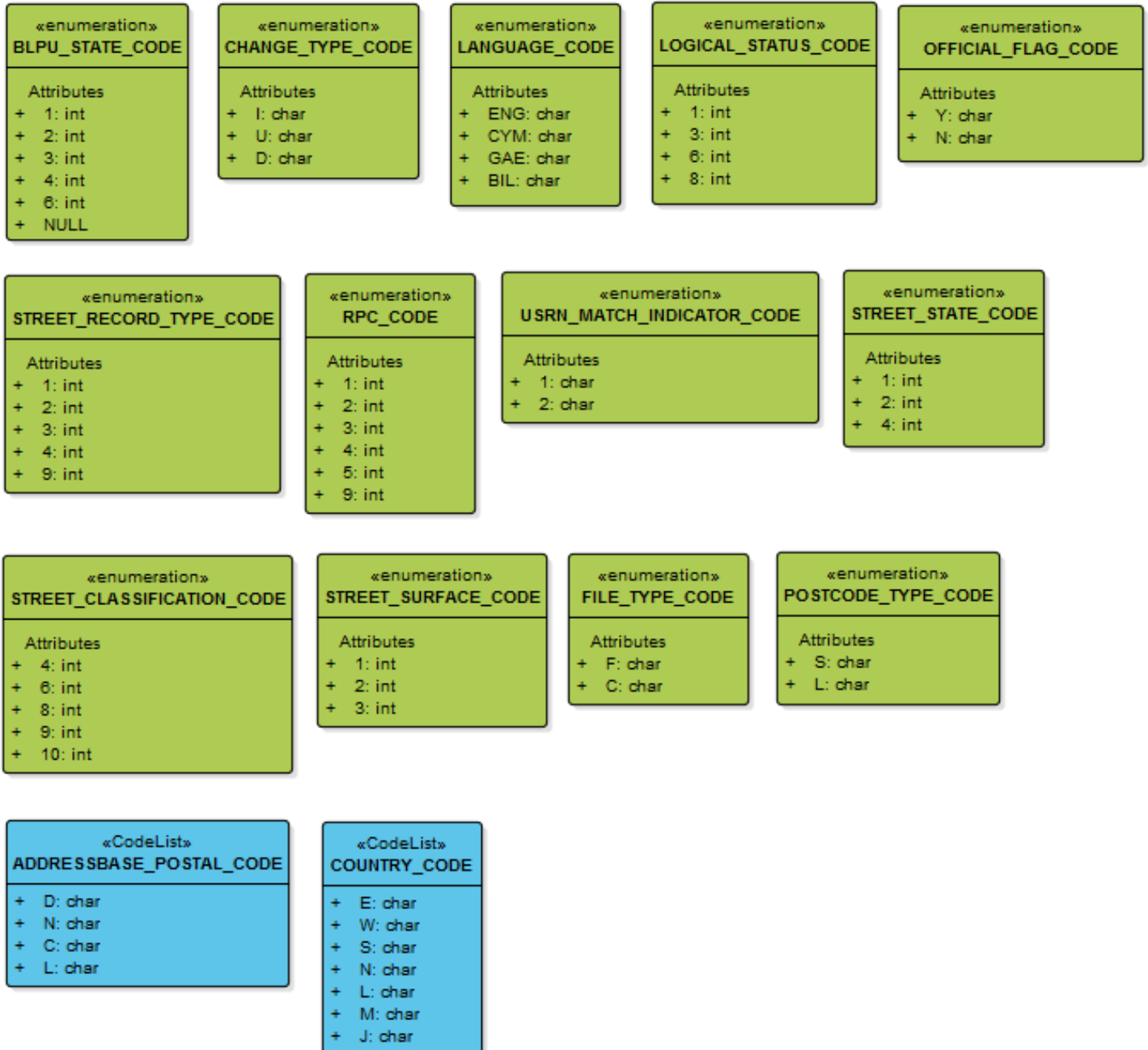
Feature with Lifecycle

GML: changeType	CSV: Not in CSV
Definition: Type of record change – please see Chapter 6 for more information.	
Type: ChangeTypeCode	Multiplicity: [1]
GML: startDate	CSV: Not in CSV
Definition: Date on which the record was first loaded into the database.	
Type: Date	Multiplicity: [1]

GML: endDate	CSV: Not in CSV
Definition: The date on which the record ceased to exist.	
Type: Date	Multiplicity: [0..1]
GML: lastUpdateDate	CSV: Not in CSV
Definition: The date on which any attribute on this record was last changed.	
Type: Date	Multiplicity: [1]
GML: entryDate	CSV: Not in CSV
Definition: The date on which the record was entered into the Local Authority database.	
Type: Date	Multiplicity: [1]

Code lists and Enumerations

A code list or enumeration is a controlled set of values which can be used to populate a specific column. The code list and enumeration UML models associated with AddressBase Premium can be found below, with their appropriate descriptions.



AddressbasePostalCode

This code list is used in association with the attribute “addressbasePostalCode” / “ADDRESSBASE_POSTAL_CODE” found on the BLPU table. The code list describes the record as postal or not as defined by Addressbase logic.

Code List: AddressbasePostalCode	
Value	Description
D	A record which is linked to PAF
N	Not a postal address
C	A record which is postal and has a parent record which is linked to PAF
L	A record which is identified as postal based on Local Authority information

CountryCode

This code list is used in association with the attribute “country” / “COUNTRY” found on the BLPU table. The code list describes within which country the address feature falls within.

Code List: CountryCode	
Value	Description
E	This record is within England
W	This record is within Wales
S	This record is within Scotland
N	This record is within Northern Ireland
L	This record is within the Channel Islands
M	This record is within the Isle of Man
J	This record is not assigned to a country

RPCCode

This enumeration is used in association with the attribute “rpc” / “RPC” found on the BLPU table. This enumeration identifies the accuracy value of the coordinates allocated to the address.

Enumeration: RPCCode	
Value	Description
1	Visual Centre.
2	General Internal Point
3	SW Corner of referenced 100m grid square
4	Start of referenced Street
5	General point based on postcode unit
9	Centre of Contributing Authority area

BLPUStateCode

This enumeration is used in association with the attribute “blpuState” / “BLPU_STATE”. This enumeration describes the physical nature of the address record.

Enumeration: StateCode	
Value	Description
1	under construction
2	In use
3	Unoccupied / vacant / derelict
4	Demolished
6	Planning permission granted

LanguageCode

This enumeration is used in association with the attribute “LANGUAGE” found in the Street Descriptor and LPI tables; and also the Metadata table for CSV supply. This enumeration identifies the language of the address displayed. Please note this is not required for the GML supply as the Language is specified in the GML tag ‘xml:lang’.

Enumeration: LanguageCode	
Value	Description
ENG	English
CYM	Welsh
GAE	Gaelic (Scottish)
BIL	Bilingual

PostcodeTypeCode

This enumeration is used in association with the attribute “postcodeType” / “POSTCODE_TYPE” found in the Delivery Point Address table. This enumeration identifies the code used by Royal Mail to describe the user as a small or large user. This is defined for postal services based upon the number of letters delivered to that user.

Enumeration: PostcodeTypeCode	
Value	Description
S	A small user, e.g. a residential property
L	A large user, e.g. a large commercial company

OfficialFlagCode

This enumeration is used in association with the attribute “officialFlag” / “OFFICIAL_FLAG” . This enumeration is an indicator of whether an address record corresponds to an entry in the official Street Name and Numbering register.

Enumeration: OfficialFlagCode	
Value	Description
N	Unofficial Address
Y	Official Address

ChangeTypeCode

This enumeration is used in association with the attribute “ChangeType” / “CHANGE_TYPE”. This enumeration identifies the type of change that has been made to a feature. Please see [Chapter 6](#) for more information.

Enumeration: ChangeTypeCode	
Value	Description
I	Insert
U	Update
D	Delete

USRNMatchIndicatorCode

This enumeration is used in association with the attribute “usrnMatchIndicator” / “USRN_MATCH_INDICATOR” found in the LPI table. This enumeration identifies how the USRN has been allocated to an address record.

Enumeration: USRNMatchIndicatorCode	
Value	Description
1	Matched manually to the nearest accessible Street.
2	Matched spatially to the nearest USRN. Not necessarily the access street.

StreetRecordTypeCode

This enumeration is used in association with the attribute “recordType” / “RECORD_TYPE” found in the Street table. This enumeration identifies the record type of the street record.

StreetRecordTypeCode	
Value	Description
1	Official designated Street Name
2	Street Description
3	Numbered Street
4	Unofficial Street Description
9	Description used for LLPG Access

StreetStateCode

This enumeration is used in association with the attribute “state” / “STATE” found in the street table. This enumeration identifies at which point the street record is within its lifecycle.

StreetStateCode	
Value	Description
1	Under construction
2	Open
4	Permanently closed (STREET_END_DATE must be entered)

StreetSurfaceCode

This enumeration is used in association with the attribute “streetSurface” / “STREET_SURFACE” found in the Street table. This enumeration identifies the surface finish of the street.

StreetSurfaceCode	
Value	Description
1	Metalled
2	UnMetalled
3	Mixed

StreetClassificationCode

This enumeration is used in association with the attribute “streetClassification” / “STREET_CLASSIFICATION” found in the Street table. The enumeration provides a value denoting the primary classification of the street record.

StreetClassificationCode	
Value	Description
4	Pedestrian way or footpath
6	Cycletrack or cycleway
8	All vehicles
9	Restricted byway
10	Bridleway

LogicalStatusCode

This enumeration is used in association with the attribute “logicalStatus” / “LOGICAL_STATUS” found in the BLPU and LPI table. This enumeration provides a value to show the lifecycle stage of the address record.

LogicalStatusCode	
Value	Description
1	Approved
3	Alternative
6	Provisional
8	Historical

Note: BLPU records will not have a logical status value of 3, whereas LPI records can have all of the values expressed above.

FileTypeCode

This enumeration is used in association with the attribute “fileType” / “FILE_TYPE” found in the Header record. This enumeration allows the identification of either a Change Only Update (COU) supply, or Full Supply.

FileTypeCode	
Value	Description
F	Signifies the supply is a full supply
C	Signifies the supply is a COU file

Date

There are many ‘Date’ columns within the AddressBase product. Where a type format of ‘Date’ has been used in the above attribute tables the data will be defined in the following format.

Value	Type	Notes
2007-10-24	Date	Date columns will follow the structure – CCYY-MM-DD

Time

There are columns within the AddressBase product which provide a Time value. Where this is declared the data will be provided in the following format.

Value	Type	Notes
14:11:15	Time	Time will follow the structure of HH:MM:SS based on a 24 hour clock.

Chapter 3 CSV (Comma-Separated Values) Overview

The CSV supply of AddressBase Premium data will be in Microsoft CSV format, this means:

- There will be one record per line in each file,
- Fields will be separated by commas,
- String fields will be delimited by double quotes,
- No comma will be placed at the end of each row in the file,
- Records will be terminated by Carriage Return / Line Feed,
- Double quotes inside strings will be escaped by doubling,
- Where a field has no value in a record, two commas will be placed together in the record. (one for the end of the previous field and one for the end of the null field). Where the null field is a text field double quotes will be included between the two commas, for example - , "" ,

AddressBase Premium CSV data will be transferred using Unicode encoded in UTF-8. Unicode includes all the characters in ISO-8859-14 (Welsh characters). Some accented characters are encoded differently.

The transfer will normally be in a single file, but the data can be split into multiple files using volume numbers. Most files will only be split where there are more than one million records.

Chapter 4 GML Overview

This chapter describes the GML format for AddressBase Premium. It is recommended that you read this in conjunction with the Open Geospatial Consortium (OGC) document, Geography Markup Language v3.2.1. The XML specifications that GML is based on are available from the World Wide Web Consortium (W3C®) website: <http://www.w3.org>.

Information about Unicode and UTF-8, the character encoding we have chosen, is available on the Unicode Consortium website: <http://www.unicode.org/>.

Schema Overview and Internet Location

XML schemas are used to define and validate the format and content of GML. The GML 3.2 specification provides a set of schemas that define the GML feature constructs and geometric types. These are designed to be used as a basis for building application-specific schemas, which define the data content.

The application schema **addressbasepremium.xsd**, which is referenced by the data, is available on the Geoplace website at: <http://www.geoplace.co.uk/addressbase/schema/2.0/addressbasepremium.xsd> It imports the GML 3.2 schemas which rely on XML as defined by W3C at: <http://www.w3.org/XML/1998/namespace.html>

The AddressBase Premium schema document defines the <http://namespaces.geoplace.co.uk/addressbasepremium/2.0> namespace, this is defined in the XSD at: <http://www.geoplace.co.uk/addressbase/schema/2.0/addressbasepremium.xsd>

The application schema uses the following XML namespaces, for which definitions are available as given here:

Prefix	Namespace Identifier	Definition Available at
gml	http://www.opengis.net/gml	http://schemas.opengis.net/gml/3.2.1/gml.xsd
xsi	http://www.w3.org/2001/XMLSchema-instance	Built into XML – http://www.w3.org/TR/xmlschema-1/
xlink	Xlink – http://www.w3.org/1999/xlink	http://www.w3.org/1999/xlink.xsd

Features

Each feature within the AddressBaseSupplySet:FeatureCollection is encapsulated in the following member element according to its feature type:

Member Element

<abpr:basicLandPropertyUnitMember>

Feature Type

BasicLandPropertyUnit

The UPRN of the feature is provided in the XML attribute of the gml:id

```
<abpr: basicLandPropertyUnitMember>
<abpr: BasicLandPropertyUnit gml:id="uk.geoplace.uprn.1000011535314">
.....
</abpr:BasicLandPropertyUnit>
</abpr: basicLandPropertyUnitMember>
```

Member Element`<abpr:streetMember>`**Feature Type**

Street

The USRN of the feature is provided in the XML attribute of the gml:id

```
<abpr:streetMember>
<abpr:Street gml:id="uk.geoplace.usrn.14200295">
.....
</abpr:Street>
</abpr:streetMember>
```

See Chapter 7 for specific GML examples.

Envelope

In the GML supply you can determine the extent of your supply by the `<gml:Envelope>`. For example:

```
<gml:boundedBy>
<gml:Envelope srsName="urn:ogc:def:crs:EPSG::27700">
<gml:lowerCorner>82643.6 5333.6</gml:lowerCorner>
<gml:upperCorner>655989 657599.5</gml:upperCorner>
</gml:Envelope>
</gml:boundedBy>
```

Chapter 5 CSV to GML Mapping

The naming of attributes between GML and CSV will be different due to the requirements of the file formats. The attributes are listed together in [Chapter 2](#), but for convenience the following table maps the CSV attribute name to the GML attribute name.

Basic Land and Property Unit (BLPU)

CSV	GML
RECORD_IDENTIFIER	<i>Not required in GML</i>
CHANGE_TYPE	changeType (Provided in FeatureWithLifecycle)
PRO_ORDER	<i>Not required in GML</i>
UPRN	uprn
LOGICAL_STATUS	logicalStatus
BLPU_STATE	blpuState
BLPU_STATE_DATE	blpuStateDate
PARENT_UPRN	parentUPRN
X_COORDINATE	position
Y_COORDINATE	
LATITUDE	positionLatLong
LONGITUDE	
RPC	rpc
LOCAL_CUSTODIAN_CODE	localCustodianCode
COUNTRY	country
START_DATE	<i>startDate (Provided in FeatureWithLifecycle)</i>
END_DATE	<i>endDate (Provided in FeatureWithLifecycle)</i>
LAST_UPDATE_DATE	<i>lastUpdateDate (Provided in FeatureWithLifecycle)</i>
ENTRY_DATE	<i>entryDate (Provided in FeatureWithLifecycle)</i>
ADDRESSBASE_POSTAL	addressbasePostal
POSTCODE_LOCATOR	postcodeLocator
MULTI_OCC_COUNT	multiOccCount

Classification

CSV	GML
RECORD_IDENTIFIER	<i>Not required in GML</i>
CHANGE_TYPE	<i>Not required in GML</i>
PRO_ORDER	<i>Not required in GML</i>
URPN	<i>uprn (obtained from the feature)</i>

CLASS_KEY	classKey
CLASSIFICATION_CODE	classificationCode
CLASS_SCHEME	classScheme
SCHEME_VERSION	schemeVersion
START_DATE	<i>START_DATE (Provided in EntityWithLifecycle)</i>
END_DATE	<i>Provided in EntityWithLifecycle</i>
LAST_UPDATE_DATE	<i>Provided in EntityWithLifecycle</i>
ENTRY_DATE	<i>Provided in EntityWithLifecycle</i>

Delivery Point Address

CSV	GML
RECORD_IDENTIFIER	<i>Not required in GML</i>
CHANGE_TYPE	<i>Not required in GML</i>
PRO_ORDER	<i>Not required in GML</i>
UPRN	<i>uprn (obtained from the feature)</i>
UDPRN	udprn
ORGANISATION_NAME	organisationName
DEPARTMENT_NAME	departmentName
SUB_BUILDING_NAME	subBuildingName
BUILDING_NAME	buildingName
BUILDING_NUMBER	buildingNumber
DEPENDENT_THOROUGHFARE	dependentThoroughfare
THOROUGHFARE	thoroughfare
DOUBLE_DEPENDENT_LOCALITY	doubleDependentLocality
DEPENDENT_LOCALITY	dependentLocality
POST_TOWN	postTown
POSTCODE	postcode
POSTCODE_TYPE	postcodeType
DELIVERY_POINT_SUFFIX	deliveryPointSuffix
WELSH_DEPENDENT_THOROUGHFARE	welshDependentThoroughfare
WELSH_THOROUGHFARE	welshThoroughfare
WELSH_DOUBLE_DEPENDENT_LOCALITY	welshDoubleDependentLocality
WELSH_DEPENDENT_LOCALITY	welshDependentLocality
WELSH_POST_TOWN	welshPostTown
PO_BOX_NUMBER	poBoxNumber
PROCESS_DATE	processDate
START_DATE	<i>START_DATE (Provided in EntityWithLifecycle)</i>

CSV	GML
END_DATE	<i>Provided in EntityWithLifecycle</i>
LAST_UPDATE_DATE	<i>Provided in EntityWithLifecycle</i>
ENTRY_DATE	<i>Provided in EntityWithLifecycle</i>

Land Property Identifier (LPI)

CSV	GML
RECORD_IDENTIFIER	<i>Not required in GML</i>
CHANGE_TYPE	<i>Not required in GML</i>
PRO_ORDER	<i>Not required in GML</i>
UPRN	<i>uprn (obtained from the feature)</i>
LPI_KEY	lpiKey
LANGUAGE	<i>Provided within an 'xml:lang' tag</i>
LOGICAL_STATUS	logicalStatus
START_DATE	<i>START_DATE (Provided in EntityWithLifecycle)</i>
END_DATE	<i>Provided in EntityWithLifecycle</i>
LAST_UPDATE_DATE	<i>Provided in EntityWithLifecycle</i>
ENTRY_DATE	<i>Provided in EntityWithLifecycle</i>
SAO_START_NUMBER	saoStartNumber
SAO_START_SUFFIX	saoStartSuffix
SAO_END_NUMBER	saoEndNumber
SAO_END_SUFFIX	saoEndSuffix
SAO_TEXT	saoText
PAO_START_NUMBER	paoStartNumber
PAO_START_SUFFIX	paoStartSuffix
PAO_END_NUMBER	paoEndNumber
PAO_END_SUFFIX	paoEndSuffix
PAO_TEXT	paoText
USRN	usrn
USRN_MATCH_INDICATOR	usrnMatchIndicator
AREA_NAME	areaName
LEVEL	level
OFFICIAL_FLAG	officialFlag

Organisation

CSV	GML
RECORD_IDENTIFIER	<i>Not required in GML</i>
CHANGE_TYPE	<i>Not required in GML</i>
PRO_ORDER	<i>Not required in GML</i>
UPRN	<i>uprn (obtained from the feature)</i>
ORG_KEY	orgKey
ORGANISATION	organisation
LEGAL_NAME	legalName
START_DATE	<i>startDate (Provided in EntityWithLifecycle)</i>
END_DATE	<i>endDate (Provided in EntityWithLifecycle)</i>
LAST_UPDATE_DATE	<i>lastUpdateDate (Provided in EntityWithLifecycle)</i>
ENTRY_DATE	<i>entryDate (Provided in EntityWithLifecycle)</i>

Application Cross Reference

CSV	GML
RECORD_IDENTIFIER	<i>Not required in GML</i>
CHANGE_TYPE	<i>Not required in GML</i>
PRO_ORDER	<i>Not required in GML</i>
UPRN	<i>uprn (obtained from the feature)</i>
XREF_KEY	xrefKey
CROSS_REFERENCE	crossReference
VERSION	version
SOURCE	source
START_DATE	<i>startDate (Provided in EntityWithLifecycle)</i>
END_DATE	<i>endDate (Provided in EntityWithLifecycle)</i>
LAST_UPDATE_DATE	<i>lastUpdateDate (Provided in EntityWithLifecycle)</i>
ENTRY_DATE	<i>entryDate (Provided in EntityWithLifecycle)</i>

Street

CSV	GML
RECORD_IDENTIFIER	<i>Not required in GML</i>
CHANGE_TYPE	<i>changeType (Provided in FeatureWithLifecycle)</i>
PRO_ORDER	<i>Not required in GML</i>
USRN	usrn
RECORD_TYPE	recordType
SWA_ORG_REF_NAMING	swaOrgRefNaming
STATE	state
STATE_DATE	stateDate
STREET_SURFACE	streetSurface
STREET_CLASSIFICATION	streetClassification
VERSION	version
STREET_START_DATE	<i>startDate (Provided in FeatureWithLifecycle)</i>
STREET_END_DATE	<i>endDate (Provided in FeatureWithLifecycle)</i>
LAST_UPDATE_DATE	<i>lastUpdateDate (Provided in FeatureWithLifecycle)</i>
RECORD_ENTRY_DATE	<i>entryDate (Provided in FeatureWithLifecycle)</i>
STREET_START_X	streetStart
STREET_START_Y	
STREET_START_LAT	streetStartLatLong
STREET_START_LONG	
STREET_END_X	streetEnd
STREET_END_Y	
STREET_END_LAT	streetEndLatLong
STREET_END_LONG	
STREET_TOLERANCE	streetTolerance

Street Description

CSV	GML
RECORD_IDENTIFIER	<i>Not required in GML</i>
CHANGE_TYPE	<i>Not required in GML</i>
PRO_ORDER	<i>Not required in GML</i>
USRN	<i>usrn (obtained from the feature)</i>
STREET_DESCRIPTION	streetDescription
LOCALITY	locality
TOWN_NAME	townName

CSV	GML
ADMINISTRATIVE_AREA	administrativeArea
LANGUAGE	<i>Provided within an 'xml:lang' tag</i>
START_DATE	<i>startDate (Provided in EntityWithLifecycle)</i>
END_DATE	<i>endDate (Provided in EntityWithLifecycle)</i>
LAST_UPDATE_DATE	<i>lastUpdateDate (Provided in EntityWithLifecycle)</i>
ENTRY_DATE	<i>entryDate (Provided in EntityWithLifecycle)</i>

Successor

CSV	GML
RECORD_IDENTIFIER	<i>Not required in GML</i>
CHANGE_TYPE	<i>Not required in GML</i>
PRO_ORDER	<i>Not required in GML</i>
UPRN	uprn
SUCC_KEY	succKey
START_DATE	<i>startDate (Provided in EntityWithLifecycle)</i>
END_DATE	<i>endDate (Provided in EntityWithLifecycle)</i>
LAST_UPDATE_DATE	<i>lastUpdateDate (Provided in EntityWithLifecycle)</i>
ENTRY_DATE	<i>entryDate (Provided in EntityWithLifecycle)</i>
SUCCESSOR	successor

Entity with life cycle

CSV	GML
<i>Provided within the datatypes</i>	startDate
<i>Provided within the datatypes</i>	endDate
<i>Provided within the datatypes</i>	lastUpdateDate
<i>Provided within the datatypes</i>	entryDate

Feature with life cycle

CSV	GML
<i>Provided within the feature type</i>	changeType
<i>Provided within the feature type</i>	startDate
<i>Provided within the feature type</i>	endDate
<i>Provided within the feature type</i>	lastUpdateDate
<i>Provided within the feature type</i>	entryDate

Chapter 6 Change Only Update (COU) Supplies

As detailed in Chapter 1, AddressBase Premium is available as a Full or Change Only Update supply.

A change-only update (COU) supply of data contains records or files that have changed between product refresh cycles. The primary benefit in supplying data in this way is that data volumes are smaller therefore reducing the amount of data that requires processing when compared to a full supply.

COU data enables a user to identify three types of change:

- 1 Deletes (CHANGE_TYPE 'D') are objects that have ceased to exist in your area of interest since the last product refresh.
- 2 Inserts (CHANGE_TYPE 'I') are objects that have been newly inserted into your area of interest since the last product refresh.
- 3 Updates (CHANGE_TYPE 'U') are objects that have been updated in your area of interest since the last product refresh.

Non Geographic Chunked COU

A COU file for non-geographic chunked data can be identified by its naming convention as highlighted in Chapter 1.

Any change record will be provided as a full record with the appropriate change type, as listed above.

Geographic Chunked COU (tile-based)

A Geographic chunked COU is not supplied as per the Non Geographic chunked COU outlined above. Its file naming convention can be found in Chapter 1. If a single record has changed within a specified 5 km tile, the entire 5 km tile containing all features will be supplied. This means the user will need to remove all features that previously existed in the provided tile (s) and insert the entire new tile (s) in its place.

Archiving

When users are Deleting, Inserting or Updating features it is up to the user to consider their archiving requirements. If deleted records are important to your business requirements you must take appropriate action to archive previous records.

Chapter 7 Example Record

The following chapter provides example records for both the CSV and GML supplies. Please note the data given is to provide an example only and is not to be used as accurate data.

Single Feature – AddressBase Premium CSV

Header Example –

10,"GeoPlace",9999,2011-07-08,1,2011-07-08,16:00:30,"2.0","F"

Street Example –

11,"I",1456,5801201,1,6815,2,1990-01-01,1,8,0,2004-09-09,,2007-08-14,2004-09-09,316433.00,176987.00,51.545587,-3.5441274,316278.00,1777294.00,51.1124512,-3.2254874,20

Street Descriptor Example –

15,"I",8332,5801201,"LLANDAFF ROAD","PONTCANNA","CARDIFF","CARDIFF","ENG",2005-09-09,,2006-11-12,2005-09-09

Basic Land and Property Unit (BLPU) Example –

21,"I",181859,100100077917,1,,316348.00,177163.00,50.7268511,-3.5366289,1,6815,"E",2001-05-10,,2007-08-29,2001-05-10,"D","CF11 9PX",0

Application Cross Reference Example –

23,"I",461696,100100077917,"6815X800076448","214788192",0,"7666VC",2001-05-10,,2007-08-29,2001-05-10

Land Property Identifier (LPI) Example –

24,"I",1082431,100100077917,"6815L000701604","ENG",1,2001-05-10,,2001-05-15,2001-05-10,,,"",166,"",,"",5801201,"1","",,"",

Delivery Point Address Example –

28,"I",1451545,100100077917,4201646,"",,"",166,"",,"LLANDAFF ROAD","",,"CARDIFF","CF11 9PX","S","2F","",,"LLANDAFF ROAD","",,"CAERDYDD","",2011-07-19,2001-05-10,,2007-08-29,2001-05-10

Metadata Example –

29,"AddressBase Premium","BLPUs, Delivery Points, Streets and associated Information","England, Wales and Scotland","ADDRESS LAYER 2, NLPG, PAF, VOA Council Tax and Non Domestic Rates, CODEPOINT polygons","GeoPlace","S","GeoPlace",10033528687,9999,"British National Grid","Metres",2011-09-09,"AddressBase Premium Classification Scheme",2011-09-09,"BIL","UTF-8"

Successor Example –

30,"I",12345,100100077917,"9078S000000001",2006-10-10,2007-11-15,2007-11-15,2006-10-10,122000001

Organisation Example –

31,"I",13581,100100077917,"6815O000015664","EXAMPLE ORGANISATION NAME","",2003-07-28,,2010-07-10,2003-07-28

Classification Example –

32,"I",181860,100100077917,"6815C000076448","R","AddressBase Premium Classification Scheme",1.0,2001-05-10,,2007-08-29,2001-05-10

Trailer Example –

99,0,1269403,2011-07-08,16:00:30

Single Feature – AddressBase Premium GML

BasicLandPropertyUnitMember Example –

```
<abpr:basicLandPropertyUnitMember>
<abpr:BasicLandPropertyUnit gml:id="uk.geoplace.uprn.100100077917">
<abpr:changeType>I</abpr:changeType>
<abpr:startDate>2001-05-10</abpr:startDate>
<abpr:entryDate>2001-05-10</abpr:entryDate>
<abpr:lastUpdateDate>2007-08-29</abpr:lastUpdateDate>
<abpr:uprn>100100077917</abpr:uprn>
<abpr:logicalStatus>1</abpr:logicalStatus>
<abpr:position>
<gml:Point srsName="urn:ogc:def:crs:EPSG::27700"
gml:id="uk.geoplace.uprn.p.100100077917">
<gml:pos>316348.00 177163.00</gml:pos>
</gml:Point>
</abpr:position>
<abpr:positionLatLong>
<gml:Point srsName="urn:ogc:def:crs:EPSG::4258"
gml:id="uk.geoplace.uprn.pl.100100077917">
<gml:pos>50.7268511 -3.5366289</gml:pos>
</gml:Point>
</abpr:positionLatLong>
<abpr:rpc>1</abpr:rpc>
<abpr:localCustodianCode>6815</abpr:localCustodianCode>
<abpr:country>E</abpr:country>
<abpr:addressbasePostal>D</abpr:addressbasePostal>
<abpr:postcodeLocator>CF11 9PX</abpr:postcodeLocator>
<abpr:multiOccCount>0</abpr:multiOccCount>
<abpr:landPropertyIdentifierMember>
<abpr:LandPropertyIdentifier>
<abpr:startDate>2001-05-10</abpr:startDate>
<abpr:entryDate>2001-05-10</abpr:entryDate>
<abpr:lastUpdateDate>2001-05-15</abpr:lastUpdateDate>
<abpr:lpiKey>6815L000701604</abpr:lpiKey>
<abpr:logicalStatus>1</abpr:logicalStatus>
<abpr:paoStartNumber>166</abpr:paoStartNumber>
<abpr:usrn>5801201</abpr:usrn>
<abpr:usrnMatchIndicator>1</abpr:usrnMatchIndicator>
</abpr:LandPropertyIdentifier>
</abpr:landPropertyIdentifierMember>
<abpr:classificationMember>
<abpr:Classification>
<abpr:startDate>2001-05-10</abpr:startDate>
<abpr:entryDate>2001-05-10</abpr:entryDate>
<abpr:lastUpdateDate>2007-08-29</abpr:lastUpdateDate>
<abpr:classKey>6815C000076448</abpr:classKey>
<abpr:classificationCode>R</abpr:classificationCode>
<abpr:classScheme>AddressBase Premium Classification Scheme</abpr:classScheme>
<abpr:schemeVersion>1.0</abpr:schemeVersion>
</abpr:Classification>
</abpr:classificationMember>
<abpr:deliveryPointAddressMember>
<abpr:DeliveryPointAddress>
<abpr:startDate>2001-05-10</abpr:startDate>
```

```

<abpr:entryDate>2001-05-10</abpr:entryDate>
<abpr:lastUpdateDate>2007-08-29</abpr:lastUpdateDate>
<abpr:udprn>4201646</abpr:udprn>
<abpr:buildingNumber>166</abpr:buildingNumber>
<abpr:thoroughfare xml:lang="en">LLANDAFF ROAD</abpr:thoroughfare>
<abpr:postTown xml:lang="en">CARDIFF</abpr:postTown>
<abpr:postcode>CF11 9PX</abpr:postcode>
<abpr:postcodeType>S</abpr:postcodeType>
<abpr:deliveryPointSuffix>2F</abpr:deliveryPointSuffix>
<abpr:welshThoroughfare xml:lang="en">LLANDAFF
ROAD</abpr:welshThoroughfare>
<abpr:welshPostTown xml:lang="en">CAERDYDD</abpr:welshPostTown>
<abpr:processDate>2011-07-19</abpr:processDate>
</abpr:DeliveryPointAddress>
</abpr:deliveryPointAddressMember>
<abpr:organisationMember>
<abpr:Organisation>
<abpr:startDate>2003-07-28</abpr:startDate>
<abpr:entryDate>2003-07-28</abpr:entryDate>
<abpr:lastUpdateDate>2010-07-10</abpr:lastUpdateDate>
<abpr:organisation>EXAMPLE ORGANISATION NAME</abpr:organisation>
<abpr:orgKey>68150000015664</abpr:orgKey>
</abpr:Organisation>
</abpr:organisationMember>
<abpr:applicationCrossReferenceMember>
<abpr:ApplicationCrossReference>
<abpr:startDate>2001-05-10</abpr:startDate>
<abpr:entryDate>2001-05-10</abpr:entryDate>
<abpr:lastUpdateDate>2007-08-29</abpr:lastUpdateDate>
<abpr:xRefKey>6815X600076448</abpr:xRefKey>
<abpr:version>5</abpr:version>
<abpr:crossReference>osgb4000000021638865</abpr:crossReference>
<abpr:source>7666MI</abpr:source>
</abpr:ApplicationCrossReference>
</abpr:applicationCrossReferenceMember>
<abpr:applicationCrossReferenceMember>
<abpr:ApplicationCrossReference>
<abpr:startDate>2001-05-10</abpr:startDate>
<abpr:entryDate>2001-05-10</abpr:entryDate>
<abpr:lastUpdateDate>2007-08-29</abpr:lastUpdateDate>
<abpr:xRefKey>6815X700076448</abpr:xRefKey>
<abpr:version>3</abpr:version>
<abpr:crossReference>osgb1000027126870</abpr:crossReference>
<abpr:source>7666MT</abpr:source>
</abpr:ApplicationCrossReference>
</abpr:applicationCrossReferenceMember>
<abpr:applicationCrossReferenceMember>
<abpr:ApplicationCrossReference>
<abpr:startDate>2001-05-10</abpr:startDate>
<abpr:entryDate>2001-05-10</abpr:entryDate>
<abpr:lastUpdateDate>2007-08-29</abpr:lastUpdateDate>
<abpr:xRefKey>6815X800076448</abpr:xRefKey>
<abpr:version>1</abpr:version>
<abpr:crossReference>214788192</abpr:crossReference>
<abpr:source>7666VC</abpr:source>
</abpr:ApplicationCrossReference>

```

```

</abpr:applicationCrossReferenceMember>
<abpr:applicationCrossReferenceMember>
<abpr:ApplicationCrossReference>
<abpr:startDate>2001-05-10</abpr:startDate>
<abpr:entryDate>2001-05-10</abpr:entryDate>
<abpr:lastUpdateDate>2007-08-29</abpr:lastUpdateDate>
<abpr:xRefKey>6815X900076448</abpr:xRefKey>
<abpr:version>12</abpr:version>
<abpr:crossReference>osgb1000002283010753</abpr:crossReference>
<abpr:source>7666MA</abpr:source>
</abpr:ApplicationCrossReference>
</abpr:applicationCrossReferenceMember>
</abpr:BasicLandPropertyUnit>
</abpr:basicLandPropertyUnitMember>

```

StreetMember example –

```

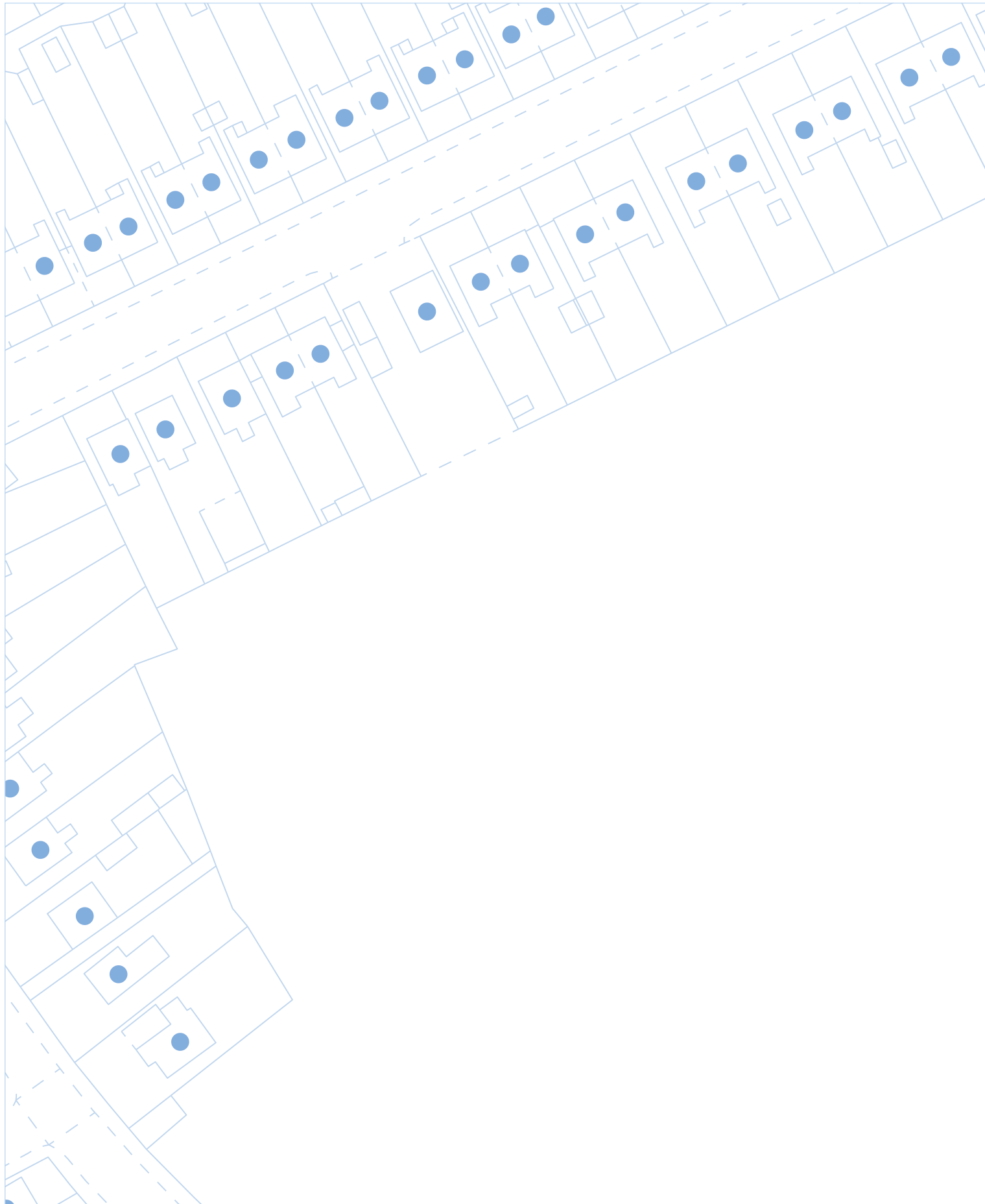
<abpr:streetMember>
<abpr:Street gml:id="uk.geoplace.usrn.5801201">
<abpr:changeType>I</abpr:changeType>
<abpr:startDate>2004-09-09</abpr:startDate>
<abpr:entryDate>2004-09-09</abpr:entryDate>
<abpr:lastUpdateDate>2007-08-14</abpr:lastUpdateDate>
<abpr:usrn>5801201</abpr:usrn>
<abpr:recordType>1</abpr:recordType>
<abpr:swaOrgRefNaming>6815</abpr:swaOrgRefNaming>
<abpr:state>2</abpr:state>
<abpr:stateDate>1990-01-01</abpr:stateDate>
<abpr:streetSurface>1</abpr:streetSurface>
<abpr:streetClassification>8</abpr:streetClassification>
<abpr:version>0</abpr:version>
<abpr:streetStart>
<gml:Point srsName="urn:ogc:def:crs:EPSG::27700"
gml:id="uk.geoplace.usrn.start.5801201">
<gml:pos>316433.00 176987.00</gml:pos>
</gml:Point>
</abpr:streetStart>
<abpr:streetStartLatLong>
<gml:Point srsName="urn:ogc:def:crs:EPSG::4258"
gml:id="uk.geoplace.usrn.start.l.5801201">
<gml:pos>51.545587 -3.5441274</gml:pos>
</gml:Point>
</abpr:streetStartLatLong>
<abpr:streetEnd>
<gml:Point srsName="urn:ogc:def:crs:EPSG::27700"
gml:id="uk.geoplace.usrn.end.5801201">
<gml:pos>316278.00 177294.00</gml:pos>
</gml:Point>
</abpr:streetEnd>
<abpr:streetEndLatLong>
<gml:Point srsName="urn:ogc:def:crs:EPSG::4258"
gml:id="uk.geoplace.usrn.end.l.5801201">
<gml:pos>52.1124512 -3.2254874</gml:pos>
</gml:Point>
</abpr:streetEndLatLong>
<abpr:streetTolerance>20</abpr:streetTolerance>

```

```

<abpr:streetDescriptivIdentifierMember>
<abpr:StreetDescriptivIdentifier>
<abpr:streetDescription xml:lang="en">LLANDAFF ROAD</abpr:streetDescription>
<abpr:localityName xml:lang="en">PONTCANNA</abpr:localityName>
<abpr:townName xml:lang="en">CARDIFF</abpr:townName>
<abpr:administrativeArea xml:lang="en">CARDIFF</abpr:administrativeArea>
</abpr:StreetDescriptivIdentifier>
</abpr:streetDescriptivIdentifierMember>
<abpr:streetDescriptivIdentifierMember>
<abpr:StreetDescriptivIdentifier>
<abpr:streetDescription xml:lang="cy">LLANDAFF ROAD</abpr:streetDescription>
<abpr:localityName xml:lang="cy">PONTCANNA</abpr:localityName>
<abpr:townName xml:lang="cy">CAERDYDD</abpr:townName>
<abpr:administrativeArea xml:lang="cy">CAERDYDD</abpr:administrativeArea>
</abpr:StreetDescriptivIdentifier>
</abpr:streetDescriptivIdentifierMember>
</abpr:Street>
</abpr:streetMember>

```



**Customer Service Centre, Ordnance Survey,
Adanac Drive, Southampton, United Kingdom, SO16 0AS**

+44 (0)3456 050505 (General enquiries)

+44 (0)3456 050504 (Welsh helpline)

+44 (0)2380 056146 (Textphone)

customerservices@os.uk

www.os.uk