

# AddressBase Products June 2023 Epoch 102

Release Note version 1.0

GB coverage

Version	Change
1.0	Initial release.

## Introduction

This release note provides information about the June 2023 release of the AddressBase products. These products were released to customers on **15 June 2023**.

## Record counts

Product	Full Supply record count <sup>1</sup>	Change-Only Update record count <sup>2</sup>
OS Open UPRN	40 428 938	N/A
AddressBase	30 247 704	126 734
AddressBase Plus	37 755 101	8 183 586
AddressBase Premium	See rows below	See rows below
Street	1 494 876	22 910
Street Descriptor	1 616 840	26 544
BLPU	40 428 938	564 628
Classification	44 323 604	124 193
LPI	45 455 582	142 845
Organisation	1 403 065	30 060
Delivery Point Address	30 353 036	68 717
Application Cross Ref.	196 314 390	16 476 095
Successor	0	0

<sup>1</sup> These counts are based on a Managed Great Britain Set (MGBS). If you have ordered your national coverage via the online ordering system using a polygon outline, then your counts may differ.

<sup>2</sup> Change-Only Updates are not available for the OS Open UPRN product.

## Product supply comparison

There is a difference in product counts between taking a national Managed Great Britain Set (MGBS) and a national Area of Interest (AOI). This is because the two supplies use different selection criteria. The differences are shown in the following table, allowing for you to validate your data holdings once you have loaded the latest release of AddressBase data.

The national AOI refers to the pre-selection GB polygon from our download store. Therefore, if you have drawn your own AOI, the count will vary.

If you are unsure of your supply type, please check this with your OS Relationship Manager.

Product	MGBS Full Count	National AOI Full Count	Difference
AddressBase	30 247 704	30 247 704	0
AddressBase Plus	37 755 101	37 755 080	21
AddressBase Premium	See rows below	See rows below	See rows below
Street	1 494 876	1 494 875	1
Street Descriptor	1 616 840	1 616 839	1
BLPU	40 428 938	40 428 913	25
Classification	44 323 604	44 323 579	25
LPI	45 455 582	45 455 556	26
Organisation	1 403 065	1 403 063	2
Delivery Point Address	30 353 036	30 353 036	0
Application Cross Ref.	196 314 390	196 314 365	25
Successor	0	0	0

## Changed records

If you receive a Change-Only Update (COU) supply for your AddressBase product, you will receive Insert, Update and Delete records within the supplied file. The following tables detail the numbers of these records which can be expected in an **MGBS supply**, and also how many tiles are affected if you take your supply as Changed Chunks.

### AddressBase

Change type	Count
Inserts	35 293
Updates	83 043
Deletes	8 398
COU Populated Tile Count	5 224

### AddressBase Plus

Change type	Count
Inserts	45 793
Updates	8 127 471
Deletes	10 322
COU Populated Tile Count	7 377

### AddressBase Premium

AddressBase Premium table	Inserts	Updates	Deletes
Street	2 125	20 748	37
Street Descriptor	2 244	24 260	40
BLPU	46 009	515 518	3 101
Classification	58 561	48 388	17 244
LPI	61 627	77 301	3 917
Organisation	13 130	5 837	11 093
Delivery Point Address	35 893	24 378	8 446
Application Cross Ref.	7 404 494	1 867 205	7 204 396

It is important that COUs are processed with Deletes first, then Inserts and Updates; this is to ensure that updates are applied in the correct order. Guidance on this can be found in Section 8 of the Getting Started Guide for AddressBase, AddressBase Plus and AddressBase Plus Islands, which is available on the ['AddressBase Product Support page' of the OS website \(https://www.ordnancesurvey.co.uk/business-government/tools-support/addressbase-support\)](https://www.ordnancesurvey.co.uk/business-government/tools-support/addressbase-support).

## Source data currency

The following information relates to the currency of the source data used in the creation of Epoch I02:

Data source	Date
Royal Mail PAF	19 May 2023
National Land and Property Gazetteer	19 May 2023
One Scotland Gazetteer	18 May 2023
VOA Non-Domestic Rates	15 May 2023
VOA Council Tax	15 May 2023
OS MasterMap Topography Layer	15 May 2023
OS MasterMap Highways Network	28 April 2023
Code-Point with Polygons	04 April 2023
Boundary-Line	11 May 2023

## Data issues

### AddressBase Plus issues

#### Affected output formats: CSV and GML

- There are 6 180 Unique Property Reference Numbers (UPRNs) which reference a Parent UPRN which cannot be found in the product. This is because the Parent UPRN is either provisional or historic and is not matched to the Royal Mail Postcode Address File (PAF) or Valuation Office Agency (VOA) record, meaning that it is not included in the AddressBase Plus product as per the existing background logic rules.
- There are 238 records with a `sao_start_no` or `sao_text` that have no Parent UPRN in the product. This is because the Parent UPRN is a historical record which is included as part of the logic for record inclusion in the AddressBase Plus product.

## AddressBase Premium, AddressBase and AddressBase Plus issues

### Affected output formats: CSV, GML and GeoPackage

- There are three entries in the CSV data whose COUNTRY code is incorrect and does not match the code given in their equivalent GML and GeoPackage formats. UPRNs 10007934638, 10007935141 and 10007935952 should have a COUNTRY code of 'E' not 'J' as supplied in the products.
- There are also five ORGANISATION\_NAME attributes in the CSV COU data which do not match their equivalent GML COU file and GeoPackage format. Once applied, the differing COU updates will lead to the below discrepancy between formats:

UPRN	ORGANISATION_NAME (GML & GeoPackage formats)	ORGANISATION_NAME (CSV format)
10023256493	IST CHOICE PAYROLL LTD	NULL
10023253149	NOVINITI LTD	NULL
10023256492	HARMBY HOMES LTD	NULL
10093032118	TAYCHEL BUILDING SOLUTIONS LTD	NULL
10013654659	U NAME IT LTD	CAISLEY EARTAG LTD

- These errors are present in AddressBase, AddressBase Plus and AddressBase Premium; the errors will be corrected in the products in Epoch 103.

## Improvements in Epoch 102

### Level field improvements

Following user engagement, the representation of the Level attribute has changed from textual to numeric. This enables users to query the level field data more easily and complete more sophisticated analysis. This improvement work has been present from Epoch 98 onwards.

The specification for the Level field is a character string which enables numeric ranges to be represented. Numbered ranges are now a comma-separated list of values within the range, for example, for levels 1 to 4, the values will be represented as 1,2,3,4. Negative values are used to represent levels below the ground, for example, BASEMENT = -1. Ground level is represented by the number 0. Non-integer values are permitted only where the decimal value is '.5' – these are permitted to allow for a representation of mezzanine levels. Any other decimal value will result in the attribute value being set to NULL.

## Valuation Office Agency matching

The match rates for Council Tax and Non-Domestic Rates for Epoch 102 are detailed as follows based on Valuation Office Agency (VOA) records up to 15 May. The match rate is applicable to the AddressBase Premium product.

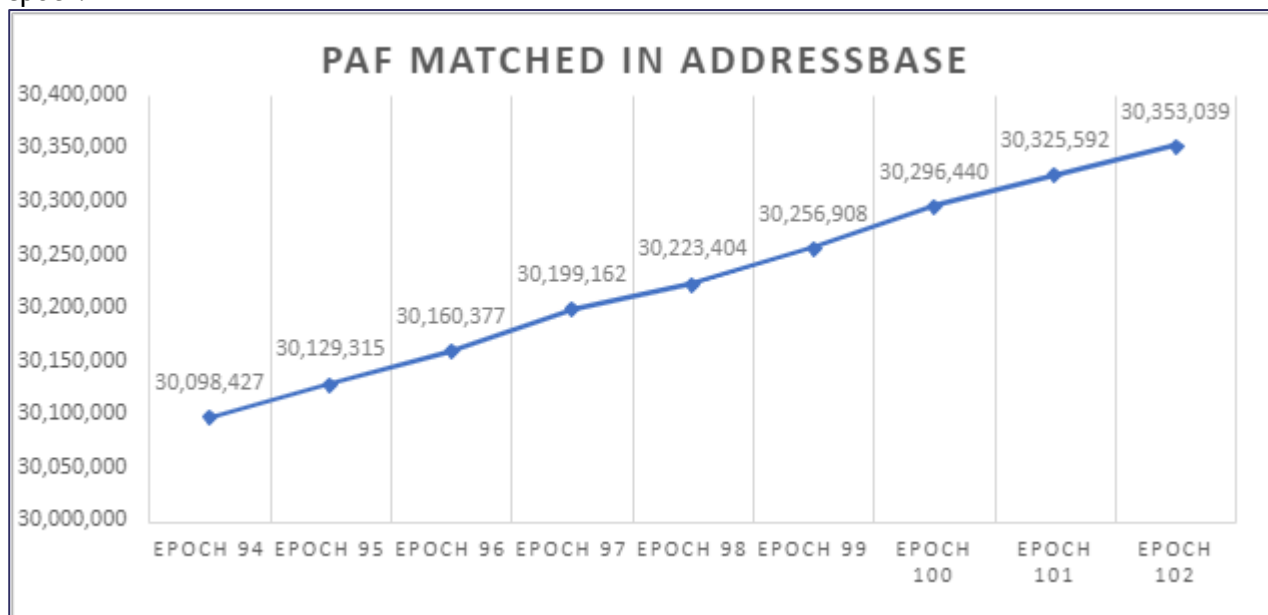
Data source	Records received	% Matched
Council Tax	26 858 126	99.92
Non-Domestic Rates	2 138 993	96.24

## Tertiary classifications

Work is being undertaken to improve the classifications of records within the AddressBase products. This work has resulted in 49 623 more tertiary classifications present in Epoch 102 compared to Epoch 101. Indeed, 88.85% of these tertiary classification improvements are against residential codes.

## PAF matching

The following graph shows the number of Postcode Address File (PAF) matched records in AddressBase by epoch:



## New tertiary and quaternary classification codes

We have introduced new tertiary and quaternary classification codes to the AddressBase classification scheme. The new tertiary classification for pharmacies and a number of additional quaternary classifications provide a more granular view for pubs, supermarkets, convenience stores and electric vehicle charging points. This makes these classes easier to filter in AddressBase.

We have also introduced additional classifications for bridges within AddressBase to represent the type of feature the bridge spans over. This helps to facilitate effective decision making for customers who use bridge features.

Primary code	Secondary code	Tertiary code	Tertiary description	Quaternary code	Quaternary description
C	M	06	Pharmacy	–	–
C	R	06	–	BA	Bar
C	R	06	–	PH	Public House
C	R	06	–	NC	Nightclub
C	R	08	–	SM	Supermarket
C	R	08	–	CS	Convenience Store
C	R	09	–	BS	Betting Shop
C	R	09	–	OL	Off-licence
C	R	02	–	EV	Electric Car Charging Station
C	T	11	–	CA	Road Bridge Over Canal
C	T	11	–	MU	Road Bridge Over Multiple
C	T	11	–	NN	Road Bridge Over No Network
C	T	11	–	PA	Road Bridge Over Path
C	T	11	–	RA	Road Bridge Over Railway
C	T	11	–	RO	Road Bridge Over Road
C	T	11	–	WA	Road Bridge Over Water

This change to the classification schema was implemented in Epoch 100, which was published on 30 March 2023. From this date, these new tertiary and quaternary classification codes have been included in AddressBase products.

## Local authority changes

In our addressing products, we provide information detailing which local authority an address is within. From 01 April 2023, several local authorities reorganised to form new authorities. This means that the local authority code for all addresses within the affected authorities changed from the old authority to the new one, resulting in approximately 1.3 million records being updated. These changes will be seen in product from Epoch 101 onwards. The table below maps the changes:

Existing authority code (pre-April 2023)	New authority code (post-April 2023)
Allerdale – 905	Cumberland – 940
Carlisle – 915	Cumberland – 940
Copeland – 920	Cumberland – 940
Barrow-in-Furness – 910	Westmorland and Furness – 935
Eden – 925	Westmorland and Furness – 935
South Lakeland – 930	Westmorland and Furness – 935
Scarborough – 2730	North Yorkshire – 2745
Ryedale – 2725	North Yorkshire – 2745
Selby – 2735	North Yorkshire – 2745
Hambleton – 2710	North Yorkshire – 2745
Richmondshire – 2720	North Yorkshire – 2745
Harrogate – 2715	North Yorkshire – 2745
Craven – 2705	North Yorkshire – 2745
Mendip – 3305	Somerset – 3300
Sedgemoor – 3310	Somerset – 3300
Somerset West and Taunton – 3330	Somerset – 3300
South Somerset – 3325	Somerset – 3300



## Impact of upcoming improvements on COU file sizes

Due to the changes being made to AddressBase records as a result of improvements (such as those related to Boundary-Line and OS MasterMap Highways changes; as well as the local authority changes from April 2023), you will see larger than usual COU files in Epoch 102 and the subsequent epochs.

The predicted volume of change per epoch is as follows:

- **Epoch 102:** Approximately 8 000 000 changes are present in AddressBase Plus due to the changes to Ward and Parish codes in relation to the latest release of Boundary-Line.
- **Epoch 103:** Approximately 4 000 000 changes.
- **Epoch 104:** Approximate volume of change will be supplied when available.

## Next release

The next release of AddressBase, Epoch 103, is scheduled for **Thursday 27 July 2023**.