

AddressBase Products March 2023 Epoch 100

Release Note version 1.0

GB coverage

Version	Change
1.0	Initial release.

Introduction

This release note provides information about the March 2023 release of the AddressBase products. These products were released to customers on **30 March 2023**.

Record counts

Product	Full Supply record count ¹	Change-Only Update record count ²
OS Open UPRN	40 344 736	N/A
AddressBase	30 192 284	160 642
AddressBase Plus	37 687 884	4 424 033
AddressBase Premium	See rows below	See rows below
Street	1 491 649	86 143
Street Descriptor	1 613 406	6 911
BLPU	40 344 736	456 656
Classification	44 238 080	196 650
LPI	45 342 631	2 415 356
Organisation	1 399 687	18 131
Delivery Point Address	30 296 437	76 773
Application Cross Ref.	195 940 771	2 691 680
Successor	0	0

¹ 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.

² 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	30 192 284	30 192 284	0
AddressBase Plus	37 687 884	37 687 866	18
AddressBase Premium	See rows below	See rows below	See rows below
Street	1 491 649	1 491 646	3
Street Descriptor	1 613 406	1 613 403	3
BLPU	40 344 736	40 344 714	22
Classification	44 238 080	44 238 058	22
LPI	45 342 631	45 342 608	23
Organisation	1 399 687	1 399 685	2
Delivery Point Address	30 296 437	30 296 437	0
Application Cross Ref.	195 940 771	195 940 749	22
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	49 243
Updates	100 956
Deletes	10 443
COU Populated Tile Count	5 645

AddressBase Plus

Change type	Count
Inserts	47 521
Updates	4 360 045
Deletes	16 647
COU Populated Tile Count	8 744

AddressBase Premium

AddressBase Premium table	Inserts	Updates	Deletes
Street	1 448	84 419	276
Street Descriptor	1 588	5 046	277
BLPU	51 656	399 490	5 510
Classification	70 458	104 032	22 160
LPI	70 244	2 338 715	6 397
Organisation	8 076	4 920	5 135
Delivery Point Address	49 843	16 619	10 311
Application Cross Ref.	243 282	2 405 807	42 591

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 100:

Data source	Date
Royal Mail PAF	24 February 2023
National Land and Property Gazetteer	24 February 2023
One Scotland Gazetteer	06 February 2023
VOA Non-Domestic Rates	20 February 2023
VOA Council Tax	20 February 2023
OS MasterMap Topography Layer	15 February 2023
OS MasterMap Highways Network	24 January 2023
Code-Point with Polygons	03 January 2023
Boundary-Line	05 October 2022

Data issues

AddressBase issues

Affected output formats: CSV and GML

No non-conformities identified.

AddressBase Plus issues

Affected output formats: CSV and GML

- There are 5 751 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 181 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.

Improvements in Epoch 100

Level field improvements

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

The current specification for the Level field is a character string and will remain so to enable numeric ranges to be represented. Numbered ranges will be 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 will be used to represent levels below the ground, for example, BASEMENT = -1. Ground level will be 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 should 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 100 are detailed as follows based on Valuation Office Agency (VOA) records up to 20 February 2023. The match rate is applicable to the AddressBase Premium product.

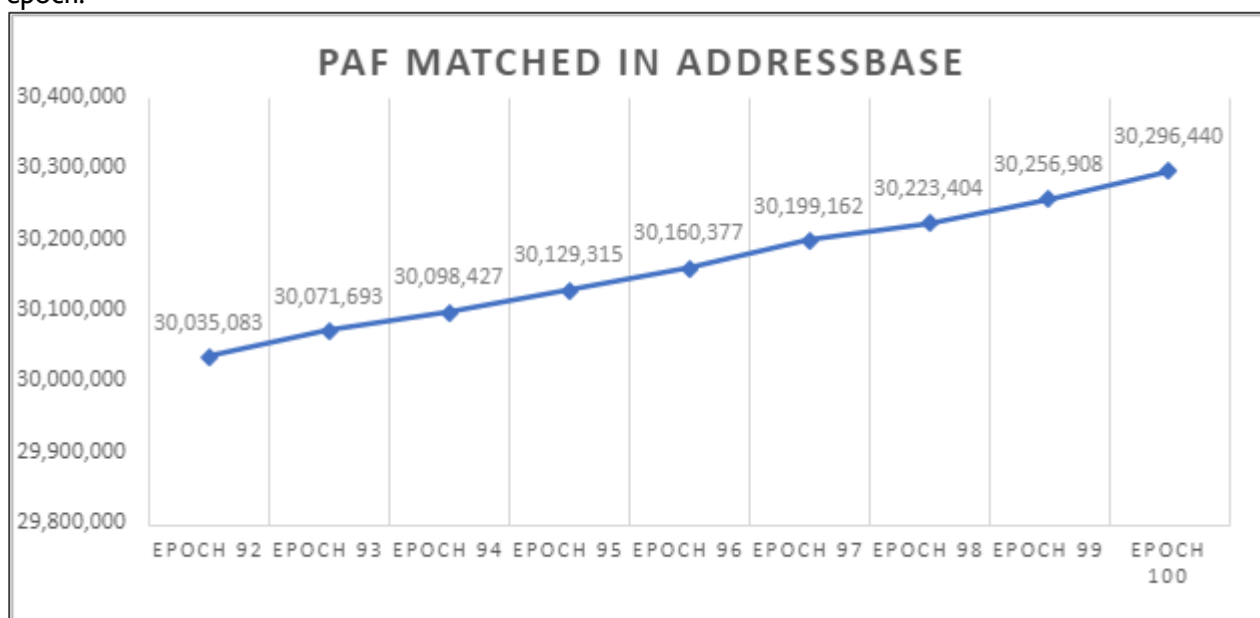
Data source	Records received	% Matched
Council Tax	26 802 120	99.93
Non-Domestic Rates	2 137 221	96.20

Tertiary classifications

Work is being undertaken to improve the classifications of records within the AddressBase products. This work has resulted in 40 820 more tertiary classifications present in Epoch 100 compared to Epoch 99. Indeed, 88.87% 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 are introducing new tertiary and quaternary classification codes to the AddressBase classification scheme. This will introduce a new tertiary classification for pharmacies and a number of additional quaternary classifications to provide a more granular view for pubs, supermarkets, convenience stores and electric vehicle charging points. This will make these classes easier to filter in AddressBase.

We are also introducing additional classifications for bridges within AddressBase to represent the type of feature the bridge spans over. This will help 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 has been implemented from Epoch 100, which was published on 30 March 2023. From this date, these classification codes will begin to be included in AddressBase products.

Upcoming 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 are merging to form new authorities. This means that the local authority code for all addresses within the affected authorities will change 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 (released on 12 May 2023). Please see the table below which maps the changes:

Existing authority code	New authority code
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 the improvements (such as those being made to the population of the level field; tertiary and quaternary classification uplifts; Boundary-Line and OS MasterMap Highways changes; as well as the upcoming local authority changes), you will see larger than usual COU files in Epoch 99 and the subsequent epochs.

The predicted volume of change per epoch is as follows:

- Epoch 99: Approximately 3 500 000.
- Epoch 100: Approximately 5 200 000.
- Epoch 101: Approximately 6 500 000.
- Epoch 102: An approximate volume of change will be provided when available.

Next release

The next release of AddressBase, Epoch 101, is scheduled for **Friday 12 May 2023**.