AddressBase Products February 2023 Epoch 99

Release Note version 1.0

GB coverage

Version	Change
1.0	Initial release.

Introduction

This release note provides information about the February 2023 release of the AddressBase products. These products were released to customers on **16 February 2023**.

Record counts

Product	Full Supply record count[1]	Change-Only Update record count[2]
OS Open UPRN	40 298 590	N/A
AddressBase	30 153 484	140 220
AddressBase Plus	37 656 830	2 590 327
AddressBase Premium	See rows below	See rows below
Street	1 490 477	55 134
Street Descriptor	1 612 095	7 983
BLPU	40 298 590	395 885
Classification	44 189 782	180 503
LPI	45 278 784	2 157 839
Organisation	1 396 746	15 083
Delivery Point Address	30 256 905	70 220
Application Cross Ref.	195 740 080	650 945
Successor	0	0

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[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	30 153 484	30 153 482	2
AddressBase Plus	37 656 830	37 656 810	20
AddressBase Premium	See rows below	See rows below	See rows below
Street	1 490 477	1 490 473	4
Street Descriptor	1 612 095	1 612 091	4
BLPU	40 298 590	40 298 565	25
Classification	44 189 782	44 189 757	25
LPI	45 278 784	45 278 758	26
Organisation	1 396 746	1 396 744	2
Delivery Point Address	30 256 905	30 256 903	2
Application Cross Ref.	195 740 080	195 740 055	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	43 647
Updates	85 625
Deletes	10 948
COU Populated Tile Count	5 698

AddressBase Plus

Change type	Count
Inserts	56 293
Updates	2 520 264
Deletes	13 770
COU Populated Tile Count	8 111

AddressBase Premium

AddressBase Premium table	Inserts	Updates	Deletes
Street	2 526	51 104	1 504
Street Descriptor	2 595	3 883	1 505
BLPU	53 480	336 495	5 910
Classification	73 863	83 740	22 900
LPI	70 496	2 080 382	6 961
Organisation	5 323	4 665	5 095
Delivery Point Address	43 986	15 752	10 482
Application Cross Ref.	235 138	372 179	43 628

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).

Source data currency

The following information relates to the currency of the source data used in the creation of Epoch 99:

Data source	Date
Royal Mail PAF	13 January 2023
National Land and Property Gazetteer	13 January 2023
One Scotland Gazetteer	12 December 2022
VOA Non-Domestic Rates	09 January 2023
VOA Council Tax	09 January 2023
OS MasterMap Topography Layer	03 January 2023
OS MasterMap Highways Network	16 December 2022
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 5 339 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 251 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 99

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 was input into the products across Epochs 98 and 99.

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 99 are detailed as follows based on Valuation Office Agency (VOA) records up to 09 January 2023. The match rate is applicable to the AddressBase Premium product.
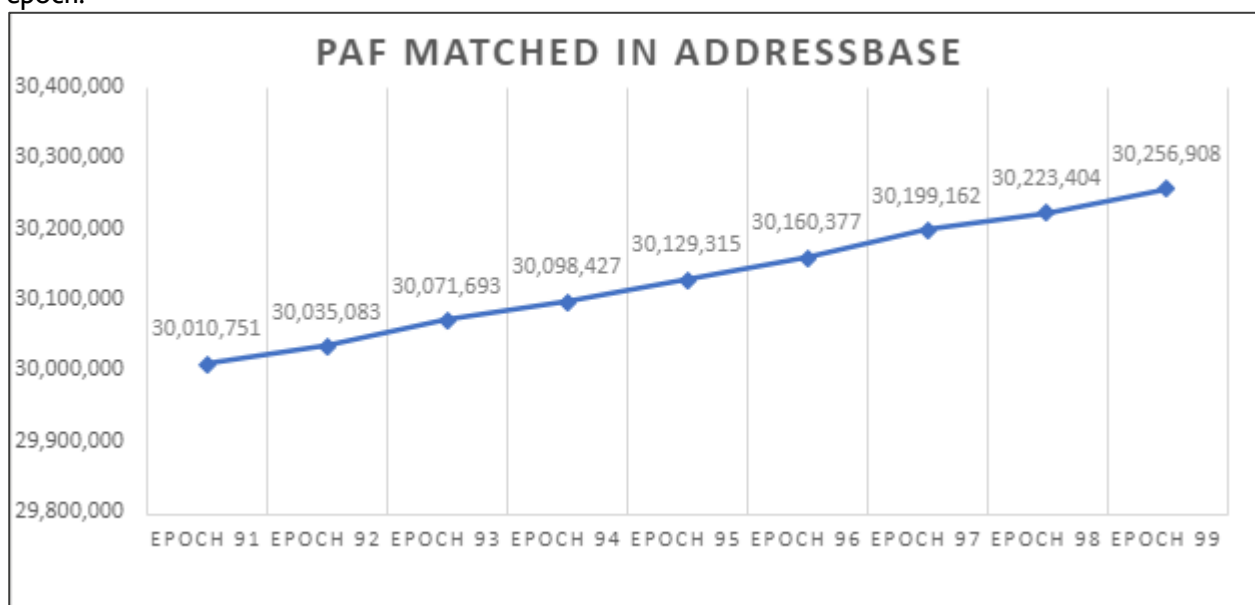
Data source	Records received	% Matched
Council Tax	26 767 406	99.92
Non-Domestic Rates	2 136 437	96.17

Tertiary classifications

Work is being undertaken to improve the classifications of records within the AddressBase products. This work has resulted in 53 843 more tertiary classifications present in Epoch 99 compared to Epoch 98. Indeed, 88.84% 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 Changing 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 will be implemented from Epoch 100, which is planned for publication on the 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. 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 Council – 935
Eden – 925	Westmorland and Furness Council – 935
South Lakeland – 930	Westmorland and Furness Council – 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 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: An approximate volume of change will be provided when available. Approximately 1 300 000 records will be updated as a result of the local authority changes.

- Epoch 102: An approximate volume of change will be provided when available.

Next release

The next release of AddressBase, Epoch 100, is scheduled for **Thursday 30 March 2023**.