

AddressBase Products July 2023 Epoch 103

Release Note version 1.0

GB coverage

Version	Change
1.0	Initial release.

Introduction

This release note provides information about the July 2023 release of the AddressBase products. These products were released to customers on **27 July 2023**.

Record counts

Product	Full Supply record count ¹	Change-Only Update record count ²
OS Open UPRN	40 463 728	N/A
AddressBase	30 269 992	125 921
AddressBase Plus	37 781 610	699 675
AddressBase Premium	See rows below	See rows below
Street	1 496 143	12 113
Street Descriptor	1 618 210	9 830
BLPU	40 463 728	457 252
Classification	44 356 649	123 794
LPI	45 501 894	154 084
Organisation	1 405 309	13 101
Delivery Point Address	30 374 407	56 931
Application Cross Ref.	196 457 154	582 224
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	30 269 992	30 269 992	0
AddressBase Plus	37 781 589	37 781 610	21
AddressBase Premium	See rows below	See rows below	See rows below
Street	1 496 142	1 496 143	1
Street Descriptor	1 618 209	1 618 210	1
BLPU	40 463 703	40 463 728	25
Classification	44 356 624	44 356 649	25
LPI	45 501 868	45 501 894	26
Organisation	1 405 307	1 405 309	2
Delivery Point Address	30 374 407	30 374 407	0
Application Cross Ref.	196 457 129	196 457 154	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	35 663
Updates	76 883
Deletes	13 375
COU Populated Tile Count	5 007

AddressBase Plus

Change type	Count
Inserts	37 492
Updates	651 200
Deletes	10 983
COU Populated Tile Count	7 123

AddressBase Premium

AddressBase Premium table	Inserts	Updates	Deletes
Street	1 283	10 814	16
Street Descriptor	1 388	8 424	18
BLPU	38 283	415 476	3 493
Classification	51 346	54 147	18 301
LPI	51 026	98 344	4 714
Organisation	5 709	3 927	3 465
Delivery Point Address	30 768	16 766	9 397
Application Cross Ref.	180 089	364 810	37 325

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 103:

Data source	Date
Royal Mail PAF	23 June 2023
National Land and Property Gazetteer	23 June 2023
One Scotland Gazetteer	05 June 2023
VOA Non-Domestic Rates	19 June 2023
VOA Council Tax	19 June 2023
OS MasterMap Topography Layer	13 June 2023
OS MasterMap Highways Network	05 June 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 5 811 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 233 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

- The below errors present in Epoch 102 of AddressBase, AddressBase Plus and AddressBase Premium; have been fixed in Epoch 103. See below for details of the errors:
- There were three entries in the CSV data whose COUNTRY code was incorrect and did 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 were also five ORGANISATION_NAME attributes in the CSV COU data which did not match their equivalent GML COU file and GeoPackage format. Once applied, the differing COU updates led 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

Improvements in Epoch 103

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 103 are detailed as follows based on Valuation Office Agency (VOA) records up to 19 June 2023. The match rate is applicable to the AddressBase Premium product.

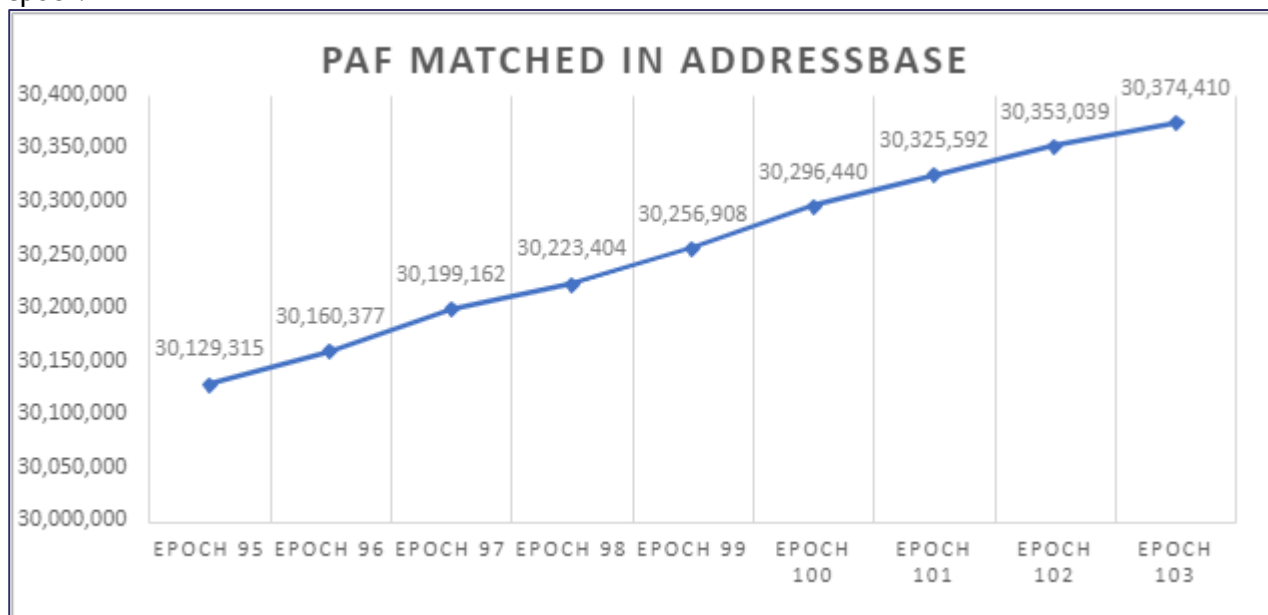
Data source	Records received	% Matched
Council Tax	26 859 019	99.92
Non-Domestic Rates	2 057 091	96.31

Tertiary classifications

Work is being undertaken to improve the classifications of records within the AddressBase products. This work has resulted in 39 894 more tertiary classifications present in Epoch 103 compared to Epoch 102. Indeed, 88.83% 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

Next release

The next release of AddressBase, Epoch 104, is scheduled for **Friday 1 September 2023**.