
Additional Data Guide

United Kingdom With Pointer Data

QAS Ltd.

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Introduction

Pointer Data Information

This guide provides an overview of the United Kingdom With Pointer Additional Dataset.

For general information about the United Kingdom (GBR Address) data, see the United Kingdom Data Guide. For information about a specific Additional Dataset, see the relevant Additional Data Guide.



You must have the GBR Address Dataset installed to use any of the Additional Datasets.

GBP Pointer Address Additional Dataset



Currently this dataset can only be used with QuickAddress Pro V5.02 (and above), QuickAddress Pro Web V5.09 (and above), QuickAddress Batch V5.00 (and above), and Identifier NameTracer Pro.

Dataset Code:	GBP
Filenames:	gbrptr.ads; gbrptr.tpx, gbrptr.zlx
Approximate Data Size:	60MB
Data Source:	Ordnance Survey of Northern Ireland (OSNI) Valuation & Lands Agency (VLA) © Royal Mail Group PLC. All data, extracts and updates © OSNI.
Update Frequency:	Quarterly
Expiry:	<p>The quarterly data release dates are:</p> <ul style="list-style-type: none">• March• June• September• December <p>Data files will expire 8 months after creation. For example, March data will expire in November of that year.</p> <p>Ensure every data update is applied promptly, otherwise the data may expire and the product will become unusable.</p>

The GBP Pointer Address Additional Dataset contains Pointer® Plus address data. Pointer holds standardised address information for every property in Northern Ireland, with each property having an exact postal address and geo-spatial coordinates. Pointer was developed using address datasets from Ordnance Survey of Northern Ireland (OSNI), Royal Mail, and the Valuation and Lands Agency and is maintained by OSNI. This dataset was created following a complex data matching exercise using the address data from the three sources.

The dataset contains both postal (PAF and new postal addresses not yet entered into PAF) and non-postal (objects without postal address information) addresses. The address data model for a valid Pointer address comprises a Primary Addressable Object (PAO) with one or more attached Secondary Addressable Objects (SAOs). Typically, a PAO is the unique combination of building number or name and primary thoroughfare, whereas the SAO(s) may represent the occupancy of the building.

About This Data

Area Covered

The Pointer Additional Dataset contains information for addresses in the following areas:

Name of Dataset	England	Scotland	Wales	N. Ireland	Isle of Man	Channel Islands
GBP Pointer				✓		

About DataPlus Information

You can configure your QAS products to use any of the available DataPlus sets that are available for GBR Address data and the GBP Pointer Additional Dataset. Please refer to the relevant section of the product documentation for information on configuring QAS products to return DataPlus information.

Each DataPlus set (.dap) is divided into one or more items. QAS products can be configured to return these items via the Configuration Editor (using the element name) or the configuration file (using the code name). This section details the DataPlus sets currently available for GBP Pointer Additional Dataset.



In addition to these DataPlus sets, GBP Pointer data can also be used with the DataPlus sets available for GBR Address data. See the United Kingdom Data Guide for details.

DataPlus Sets For GBP Pointer Address Data

The following DataPlus sets are available with GBP Pointer Address Data:

- GBP Property
- GBP Boundary
- GBP Total

GBP Property

Identifier: GBRPPT

The GBRPPT DataPlus set returns postal address delivery point data for a given address in Northern Ireland. This includes all postal address fields, the Unique Property Reference Number (UPRN) and Townlands information.

Element	Code	Description
UPRN	UPRN	Unique Property Reference Number for the address. This 12 digit number identifies a secondary addressable object.
Townland	Townland	Name of the small division of the county in which the address resides. Townlands are a traditional feature of addresses in Northern Ireland.
Townland ID	TlandID	Identifier for the Townland name.

Element	Code	Description
AQI	AQI	<p>Address Quality Indicator. This value provides a quality assessment of the address data.</p> <p>A value of 2 indicates a second class confidence in the data and means that a single stakeholder has added the address details to the database. A stakeholder could be OSNI, Royal Mail or VLA.</p> <p>A value of 1 indicates a first class confidence and means that two or more stakeholders have confirmed the address details in the database.</p> <p>A value of 0 indicates that a local council has added an address to the database on which construction has not yet started (when it has started, the AQI for that address will be raised to 2).</p>
Delivery Point Status	DPS	Status of the address as a delivery point. Values are Valid or Invalid. A valid delivery point is one to which Royal Mail recognises that mail can be successfully delivered.
Building Status	Bstatus	The status of the building. This can be Planned, Pending, Valid, Terminated, New, Deleted, Derelict or Invalid.

GBP Boundary

Identifier: GBRPBY

The GBRPBY DataPlus set returns government boundary data for a given address in Northern Ireland.

Element	Code	Description
Ward Name	WardName	Name of the electoral Ward inside of which the boundary for the PAO falls.
Ward ID	WardID	The numeric identifier for the name of the electoral Ward.

Element	Code	Description
Pre-1984 Ward Name	1984WName	Name of the electoral Ward inside of which the boundary for the PAO falls (using boundary data from 1984 from OSNI).
Pre-1984 Ward ID	1984WID	The numeric identifier for the name of the electoral Ward, according to 1984 boundary data.
Constituency Name	ConstName	Name of the Parliamentary Constituency inside of which the boundary for the PAO falls.
Constituency ID	ConstID	The numeric identifier for the name of the Parliamentary Constituency.
Local Council Name	LCouncilN	Name of the local council responsible for administrative matters, inside of which the boundary for the PAO falls.
Local Council ID	LCouncilID	The numeric identifier for the name of the local council.
Census Area Name	CensusAreaN	Name of the Census area inside of which the boundary for the PAO falls.
Census Area ID	CensusAreaID	The numeric identifier for the name of the Census area.
District Electoral Area Name	DEA	Name of the district electoral area inside of which the boundary for the PAO falls.
District Electoral Area ID	DEAID	The numeric identifier for the name of the district electoral area.
Road Service	RoadServ	Name of the road service authority that serves the PAO.

GBP Total

Identifier: GBRPTL

The GBRPTL DataPlus set returns a full list of fields for a given address in Northern Ireland. These include:

Element	Code	Description
1m Irish Grid X Coordinate	IrGridX	X coordinate for the address. This value is taken from the Irish Grid system and collected by a surveyor from OSNI. The value has a resolution of 1 metre.
1m Irish Grid Y Coordinate	IrGridY	Y coordinate for the address. This value is taken from the Irish Grid system and collected by a surveyor from OSNI. The value has a resolution of 1 metre.
OS Easting	OSEast	1m OS Easting grid-reference for the address.
OS Northing	OSNorth	1m OS Northing grid-reference for the address.
Latitude	Latitude	WGS84 projection compatible with the GPS system and returned to six decimal places.
Longitude	Longitude	WGS84 projection compatible with the GPS system and returned to six decimal places.
IG Geocode	IGGeocode	The East and North coordinates for the location of an address on the Irish Grid concatenated into a single Geo code.
Temp Coordinates Flag	TempCoords	If the X/Y coordinates have been entered by the local council but have not verified by OSNI then the coordinates are temporary. Values are Y (record has a temporary, estimated grid reference) and N (record has a permanent, accurate grid reference).

Element	Code	Description
IG Sheet	IGSheet	IG Sheet location of the address. This is an internal identifier used by OSNI to divide the area of Northern Ireland into 296 rectangular tiles, each measuring 9.6 kilometres by 6.4 kilometres.
Plan	Plan	The map tile on the IG Sheet which contains the address. This is an internal identifier used by OSNI to subdivide each IG Sheet into constituent map tiles (consistent with OSNI large scale mapping).
Area	Area	Size of the building polygon as surveyed by OSNI. The value is measured in metres squared and relates to the area inside the walls only.
Unique Building ID	UniqueBID	A unique 12-digit sequential number used to identify a PAO.
Business Use	BusUse	Current use of the address, derived from the VLA classification. Values are Commercial, Residential, Mixed, or Unknown.
Commencement Date	CommDate	Date when building has entered the Construction state as defined by the Local Council. Note that this value only applies to New buildings, and not buildings present when the GBP Pointer Address Data was first populated.
Date of Survey	SurvDate	Date when an OSNI surveyor entered the building into the map database. This value will be blank if an OSNI surveyor has not yet visited the building.
Deletion Date	DelDate	The date at which an address is deemed to have gone out of existence.



If required, you could use this DataPlus set with the GBR 100m Postzon Grid Reference (GBRGRD) DataPlus set. GBRGRD would return a resolution of 100m for the whole of Great Britain and GBRPTL would return a resolution of 1m for any address in Northern Ireland.

Using This Data

This section provides tips for address searching when using Pro and Pro Web, or when performing Interactive cleaning in Batch.



These searches are accurate at the time of data release. However, search results may differ depending on the data release you are using.

With QuickAddress Pro

GBP Pointer Address data can only be used with QuickAddress Pro V5.02 or above.

Search Examples: Typedown

Enter postcode or place
BT4 3XX

The following table provides a list of these example search types:

- Postcode not known
- Full address known

Search type	Example
Postcode not known	<ol style="list-style-type: none"> 1) Enter the county name, co antrim, and press Enter. 2) Enter the street name, ballinlea road, and press Enter. 3) Enter the building number, 4, and press Enter. The final address is returned: 4 Ballinlea Road Ballintoy BALLYCASTLE County Antrim BT54 6NQ
Full address known	<ol style="list-style-type: none"> 1) Enter the postcode, bt942gd, and press Enter. 2) Enter the building number, 4, and press Enter. The final address is returned: 4 Makenny Crescent Ballinamallard ENNISKILLEN County Fermanagh BT94 2GD

Search Examples: Single Line

Enter search

34 charlotte street, belfast

The following table provides a list of these example search types:

- Searching for a business address
- Searching for a PO Box address

Search type	Explanation
Searching for a business address	<ol style="list-style-type: none">1) Enter the name of the business, followed by a comma and the locality: tesco, yorkgate shopping centre2) The full address is returned: Tesco Yorkgate Shopping Centre BELFAST BT15 1WA
Searching for a PO Box address	<ol style="list-style-type: none">1) Enter the PO Box number, followed by a comma and the county name: po box 277, co armagh2) The full address is returned: PO Box 277 Lurgan CRAIGAVON County Armagh BT66 8YE

With QuickAddress Pro Web

Scenarios

The following table indicates relevant search examples for each Pro Web scenario and search engine that supports GBP Pointer data.

Scenario	Search Engine	For search examples, see:
Single Line	Single Line hierarchical	Single Line search examples on page 15.
Standard	Typedown Single Line hierarchical	Typedown examples on page 13. Single Line search examples on page 15.
Verification	Verification	Verification examples on page 17.
Bulk Processing	Verification	Bulk Processing examples on page 19.
ActiveX Control	Typedown Single Line hierarchical	Typedown examples on page 13. Single Line search examples on page 15.

Search Examples: Verification

Users of QuickAddress Pro Web can use address verification functionality to verify a customer's address once they have typed it in full into a web form.

The following table provides a list of example searches and the Verify level they return.

Verify level	Example
Verified	13 Hillside Park ARMAGH This search brings back a verified address with the verify level of "Verified".
Multiple	1 church road belfast This search shows what is returned if the user attempts to verify an address without knowing the sub-premises number or the street name. The search brings back a verify level of "Multiple" and offers a picklist of possible addresses.
None	Missing Street Unknown Town This search brings back a verify level of "None" as the address does not exist in the data.
StreetPartial	Teeraw Road BT61 8HG This search brings back a verify level of "StreetPartial" as the search did not define a property number for the street location "Suffolk Close".
PremisesPartial	3 Northview NEWTOWNABBEY BT36 7JL This search brings back a verify level of "PremisesPartial" as there is more than one s at the address.

Verify level	Example
InteractionRequired	<p data-bbox="400 204 510 231">5 Terrace</p> <p data-bbox="400 240 508 268">BT82 8JJ</p> <p data-bbox="400 277 916 389">This search brings back a verify level of “InteractionRequired” as the street name was not correct and, although there was only one match, the address requires verification from the user.</p> <p data-bbox="400 399 618 426">5 Fountain Terrace</p> <p data-bbox="400 435 535 462">STRABANE</p> <p data-bbox="400 472 573 499">County Tyrone</p> <p data-bbox="400 509 508 536">BT82 8JJ</p> <p data-bbox="400 545 589 572">United Kingdom</p>

For more information about the Verification engine, refer to the Address Verification section of the *QuickAddress Pro Web Integration Guide*.

Search Example: Bulk Processing

The following example shows a bulk search on six addresses which all return a different level of verification.

1. Select the Bulk Processing search method.
2. Select United Kingdom With Pointer data from the **Datamap** drop-down box.

Bulk Verification

Enter Bulk Address

Addresses

Datamap **United Kingdom With Pointer**

Next >

3. Type the addresses into the **Addresses** field, each address on its own line:

Bulk Verification

Enter Bulk Address

Addresses
13 Hillside Park, ARMAGH
1 church road, belfast
Missing Street, Unknown Town
Teeraw Road, BT61 8HG
3 Northview, NEWTOWNABBEY, BT36 7JL
5 Terrace, BT82 8JJ

Datamap **United Kingdom With Pointer**

Next >

4. Click **Next** to perform the verification on the entered address.

The verification level for each address is returned:

Bulk Verification

Verification results

Input address	Verification Level	Formatted address																		
13 Hillside Park, ARMAGH	Verified	<table border="1"> <thead> <tr> <th>Label</th> <th>Line</th> <th>Line Type</th> </tr> </thead> <tbody> <tr> <td></td> <td>13 Hillside Park</td> <td>None</td> </tr> <tr> <td></td> <td>Hamiltonsbawn</td> <td>None</td> </tr> <tr> <td>Town</td> <td>ARMAGH</td> <td>Address</td> </tr> <tr> <td>County</td> <td></td> <td>Address</td> </tr> <tr> <td>Postcode</td> <td>BT61 9SE</td> <td>Address</td> </tr> </tbody> </table>	Label	Line	Line Type		13 Hillside Park	None		Hamiltonsbawn	None	Town	ARMAGH	Address	County		Address	Postcode	BT61 9SE	Address
Label	Line	Line Type																		
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County		Address																		
Postcode	BT61 9SE	Address																		
1 church road, belfast	Multiple	Label Line Line Type																		
Missing Street, Unknown Town	None	Label Line Line Type																		
Teeraw Road, BT61 8HG	StreetPartial	Label Line Line Type																		
3 Northview, NEWTOWNABBEY, BT36 7JL	PremisesPartial	Label Line Line Type																		
5 Terrace, BT82 8JJ	InteractionRequired	<table border="1"> <thead> <tr> <th>Label</th> <th>Line</th> <th>Line Type</th> </tr> </thead> <tbody> <tr> <td></td> <td>5 Fountain Terrace</td> <td>None</td> </tr> <tr> <td></td> <td></td> <td>None</td> </tr> <tr> <td>Town</td> <td>STRABANE</td> <td>Address</td> </tr> <tr> <td>County</td> <td>County Tyrone</td> <td>Address</td> </tr> <tr> <td>Postcode</td> <td>BT82 8JJ</td> <td>Address</td> </tr> </tbody> </table>	Label	Line	Line Type		5 Fountain Terrace	None			None	Town	STRABANE	Address	County	County Tyrone	Address	Postcode	BT82 8JJ	Address
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	5 Fountain Terrace	None																		
		None																		
Town	STRABANE	Address																		
County	County Tyrone	Address																		
Postcode	BT82 8JJ	Address																		

With QuickAddress Batch

GBP Pointer Address data can only be used with QuickAddress Batch V5.00 or above.



GBP Pointer data and Suppression data cannot both be used in Batch at the same time.

Search Examples: Batch Interactive

For information about the best methods for searching on United Kingdom With Pointer using Batch Interactive please refer to Typedown search examples on page 13 and Single Line search examples on page 15.

With Identifier NameTracer Pro

For search examples using this data with NameTracer Pro, see the NameTracer Pro documentation.

