
Additional Data Guide

United Kingdom With Utility Data

QAS Ltd.

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Introduction

Utility Data Information

This guide provides an overview of the United Kingdom Utility Additional Datasets, GBR Gas and GBR Electricity.

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 the GBR Gas and GBR Electricity Additional Datasets.

GBR Gas Additional Dataset

Dataset Code: GAS

Filenames: gbrgas.ads, gbrgas.zlx, and gbrgas.kfx

Approximate Data Size: 1.0GB

Data Source: Utility companies together with PAF

Update Frequency: Monthly

Expiry: Data files will expire 8 months after creation. For example, March data will expire in November of the same year.

Ensure every data update is applied promptly, otherwise the data may expire and the product will become unusable.

GBR Electricity Additional Dataset

Dataset Code:	ELC
Filenames:	gbrelc.ads, gbrelc.zlx, and gbrelc.kfx
Approximate Data Size:	1.5GB
Data Source:	Utility companies together with PAF
Update Frequency:	Monthly
Expiry:	Data files will expire 8 months after creation. For example, March data will expire in November of the same year. Ensure every data update is applied promptly, otherwise the data may expire and the product will become unusable.

The Gas and Electricity Additional Datasets contain gas and electricity meter number data. Each gas and electricity meter has a unique meter number. It is possible for one property to have more than one meter, in which case multiple meter numbers can be returned as DataPlus.

Gas details are registered with the National Grid Gas Network, and electricity details are registered with Public Electricity Suppliers (PES). The data contains meter number and address information, which may differ from those in PAF. QAS sources the gas and electricity data from the suppliers and combines their data with the PAF address data. The original Supply Address, as it is in the suppliers' data, can be returned as DataPlus.

About This Data

Area Covered

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

Name of Dataset	England	Scotland	Wales	N. Ireland	Isle of Man	Channel Islands
GBR Gas	√	√	√	√		
GBR Electricity	√	√	√	√		

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 GBR Utility Data 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 GBR Gas and Electricity Additional Datasets.



In addition to these DataPlus sets, GBR Utility Data can also use the DataPlus sets that are available for GBR Address data. See the GBR Data Guide for details of these.

DataPlus Sets for GBR Gas Data

The following DataPlus sets are available with GBR Gas data:

- Gas Supply Address
- Gas Meter Number
- Gas PAF Match Quality

GBR Gas Supply Address

Identifier:GBRGSA

The GBRGSA DataPlus set returns the official supply address provided to QAS. The following DataPlus elements are available:

Element	Code	Example
Gas Sub Building	SubBld	Flat 324
Gas Building Name	BldName	Lexington Building
Gas Delivery Point Alias	DelPntAlias	
Gas Building Number	BldNum	7
Gas Dependent Street	DepSt	Roman Road
Gas Principal Street	PrinSt	Fairfield Road
Gas Double Dependent Locality	DDepLoc	Thomastown
Gas Dependent Locality	DepLoc	Porth
Gas Posttown	PTown	London
Gas County	Cnty	Surrey
Gas Outcode	OCode	SE7
Gas Incode	ICode	2UR

GBR Gas Meter Number

Identifier:GBRGMN

The GBRGMN DataPlus set returns a unique Gas Meter Point Reference Number (MPRN) for a property. If a property has more than one meter number, it returns more than one MPRN, separated by a “|” delimiter. It is possible to change the delimiter by directly modifying the configuration file.

For more information about how the multiple meter numbers are displayed, see the product documentation.

Element	Code	Description
Gas M-Number	MNum	This is the meter number; for example, 33156874908.
Gas Meter Serial Number	MSerialNum	This is the meter serial number. The value can be alphanumeric and up to 14 digits in length; for example, 00469635.
Gas Large Site Number	MLargeSiteNum	This indicates if the site is large. The value can either be Y (yes) or <blank> (no).
Gas Distributor Name	DistName	This is the name of the distributor of Gas; for example, Transco.

Gas PAF Match Quality

Identifier:GBRQAL

The GBRQAL DataPlus set returns a quality assessment of the match made for a given address between the GBR Gas database and PAF data. The poor quality (unmatched) records will have no data elements from PAF in them and therefore have the lowest quality level.

Element	Code	Description	
PAF Quality of Address	PAFMatchQuality	0	Full postal address match.
		1	Exact organisation and full postal address match.
		2	Close organisation and full postal address match.
		3	Full premise-level match - additional organisation or sub-premise information exists on PAF.
		4	Partial premise level match - non-PAF sub-premise information added.
		5	Street level match - non-PAF premise information added.
PAF Quality of Postcode	Postcode	0	Postal code match.
		1	Postal code added.

DataPlus Sets for GBR Electricity Data

The following DataPlus sets are available with the GBR Electricity Data:

- Electricity Supply Address
- Electricity Meter Number
- Electricity PAF Match Quality

GBR Electricity Supply Address

Identifier:GBRESA

The GBRESA DataPlus set returns the official supply address provided to QAS. The following DataPlus elements are available:

Element	Code	Example
Electricity Address Line 1	AddrLine1	Flat 324
Electricity Address Line 2	AddrLine2	7 Lexington Building
Electricity Address Line 3	AddrLine3	
Electricity Address Line 4	AddrLine4	Roman Road
Electricity Address Line 5	AddrLine5	Fairfield Road
Electricity Address Line 6	AddrLine6	Thomastown
Electricity Address Line 7	AddrLine7	Porth
Electricity Address Line 8	AddrLine8	London
Electricity Address Line 9	AddrLine9	Essex
Electricity Postcode	PCode	E4 1JT

GBR Electricity Meter Number

Identifier:GBREMN

The GBREMN DataPlus set returns a unique Electricity Meter Point Administration Number (MPAN) for a property. If a property has more than one meter number, it returns more than one MPAN, separated by a “|” delimiter. It is possible to change the delimiter by directly modifying the configuration file.

For more information about how the multiple meter numbers are displayed, see the product documentation.

Element	Code	Description
Electricity M-Number	MNum	This is the electricity meter number. The value can be up to 21 digits in length; for example, 1200038480420.
Electricity Meter Serial Number	MSerialNum	This is the meter serial number. The value is a string consisting of up to 13 alphanumeric characters; for example, Z04FC04078.
Electricity Meter Type	MType	This indicates the meter type.
Electricity Distributor Name	DistName	This is the name of the Electricity distributor.

Electricity PAF Match Quality

Identifier:GBRQAL

The GBRQAL DataPlus set returns a quality assessment of the match made for a given address between the GBR Gas database and PAF data. The poor quality (unmatched) records will have no data elements from PAF in them and therefore have the lowest quality level.

Element	Code	Description	
PAF Quality of Address	PAFMatchQuality	0	Full postal address match.
		1	Exact organisation and full postal address match.
		2	Close organisation and full postal address match.
		3	Full premise-level match - additional organisation or sub-premise information exists on PAF.
		4	Partial premise level match - non-PAF sub-premise information added.
		5	Street level match - non-PAF premise information added.
		6	Place level match - non-PAF premise and street information added.
PAF Quality of Postcode	Postcode	0	Postal code match.
		1	Postal code added.

Using This Data

This section provides tips for searching on Gas and Electricity meter numbers when using Pro and 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



The Utility datasets can only be used with QuickAddress Pro v6 or later.

Search Examples: Typedown

Enter postcode or place

GU3 3BQ

Typedown searching with Utility data works in the same way as with GBR data. For Typedown search examples, see the GBR Data Guide.

Search Examples: Single Line

Enter search
35 douglas st, de238lh

Single Line searching with Utility data works in the same way as with GBR data. For Single Line search examples, see the GBR Data Guide.

Search Examples: Key Searching

Enter Keyfinder Search
3316874908

You can search on Gas and Electricity meter numbers and meter serial numbers using Key Searching.

The following table provides a list of these example types:

- Searching on Gas meter number
- Searching on Electricity meter serial number

Search Type	Example
Searching on a gas meter number	<ol style="list-style-type: none">1) Type in the gas meter number, 2481849308, and press Enter.2) Only one address matching the number is returned in the picklist. Press Enter to select the address.3) The correct address is returned: 6 Valley View Highley BRIDGNORTH Shropshire WV16 6EF

Search Type	Example
Searching on an electricity meter serial number	<ol style="list-style-type: none">1) Type in the electricity meter serial number, K75G06557, and press Enter.2) Only one address matching the number is returned in the picklist. Press Enter to select the address.3) The correct address is returned: 5 Horse Street Chipping Sodbury BRISTOL BS37 6DA

With QuickAddress Pro Web

Scenarios

The following table indicates the relevant search examples for each Pro Web scenario and search engine that supports GBR Gas and Electricity data.

Scenario	Search Engine	For search examples, see:
Web: Address Capture	Single Line flattened	Single Line search examples in the GBR Data Guide.
Web: Address Verification	Verification	Verification search examples in the GBR Data Guide.
Web: Key Search	Keyfinder	Key Searching examples on page 12.
Intranet: Rapid Addressing - Standard	Typedown Single Line hierarchical	Typedown and Single Line search examples in the GBR Data Guide.
Intranet: Rapid Addressing - Single Line	Single Line hierarchical	Single Line search examples in the GBR Data Guide.
Intranet: Rapid Addressing - Bulk Processing	Verification	Bulk Processing search example in the GBR Data Guide.

Search Examples: Verification

Verification searching with Utility data works in the same way as with GBR data. For Verification search examples, see the GBR Data Guide.

Search Example: Bulk Processing

Bulk searching with Utility data works in the same way as with GBR data. For Bulk Processing search examples, see the GBR Data Guide.

With QuickAddress Batch



The Utility datasets can only be used with QuickAddress Batch v6 or later.

This section details the information relevant to using Batch with the Gas and Electricity datasets.

If your database contains gas or electricity meter numbers or meter serial numbers, and you have United Kingdom with Gas or Electricity data, Batch can use this extra information to increase the likelihood of obtaining a match. In order for Batch to be able to use the gas or electricity meter numbers or meter serial numbers for verification, you must specify which input fields contain this information.

In Standalone, you can specify which fields contain meter number or meter serial number information on the Select Input Fields dialog of the Configuration Wizard. The input fields for Gas and Electricity data are listed on page 16. See the Batch Help or the Batch User Guide supplied with your product for more information on specifying input fields.

API users need to specify the relevant elements codes using the `InputLineN` setting in the relevant layout in QAWORLD.INI. The elements are listed under “Dataset-Specific Input Field Types” on page 16. See the Batch API documentation for more information about configuration settings.

Batch can output the meter numbers and meter serial numbers that it matches. However, this will result in the loss of your original meter number information in cases where Batch finds a good address but fails to match the meter number or meter serial number. For this reason it is strongly recommended that you do not attempt to overwrite your existing information with Batch’s output. By default Batch will not include meter number or meter serial number information in its output.

Dataset-Specific Input Field Types

When you are configuring a Batch session, you can specify the address elements which are contained in your input fields. This can speed up the cleaning process as Batch does not have to work out which address element is contained within a field.

The following table describes the input fields that you can specify for GBR Gas and Electricity data, and the address elements Batch will expect for each. The field types are available from the Set Field Type drop-down menu in the Select Input Fields dialog of the Batch Configuration Wizard. The equivalent element codes for use with the `InputLineN` setting in Batch API are also provided

Input Field Type	Element Code	Expected Address Element
Gas Meter Number	K11	Gas Meter Number
Electricity Meter Number	K12	Electricity Meter Number

Extended Dataset Information Bits

For any given record, Batch uses dataset-specific information bits (see “Dataset-Specific Information Bits” in the GBR Data Guide) to provide information on how well it has matched any names that were supplied. In addition to these, when using the GBR Gas and Electricity data, a selection of extended dataset-specific information bits can be returned. Refer to the main Batch documentation for more information on matching rules and information bits.

- For Standalone users, the extended dataset information bits are returned as the second 8 digits of the 16-digit extended match result as displayed in Interactive.
- For API users, these are returned by the function `QABatchWV_GetMatchInfo` as parameter `riCountryInfo2`, and from the function `QABatchWV_Clean` in the parameter `rsReturnCode` from the 21st to 28th characters. See the QuickAddress Batch manual for further information about these functions.

The following table provides a full list of extended dataset-specific information bits that can be returned.

Information Bit	Description
00001000	Electricity Meter Number has been verified.
00002000	Gas Meter Number has been verified.

Search Examples: Batch Interactive

For information about the best methods for searching on United Kingdom With Utility data using Batch Interactive please refer to “Search Examples: Typedown” on page 11, “Search Examples: Single Line” on page 12, and “Search Examples: Key Searching” on page 12.

