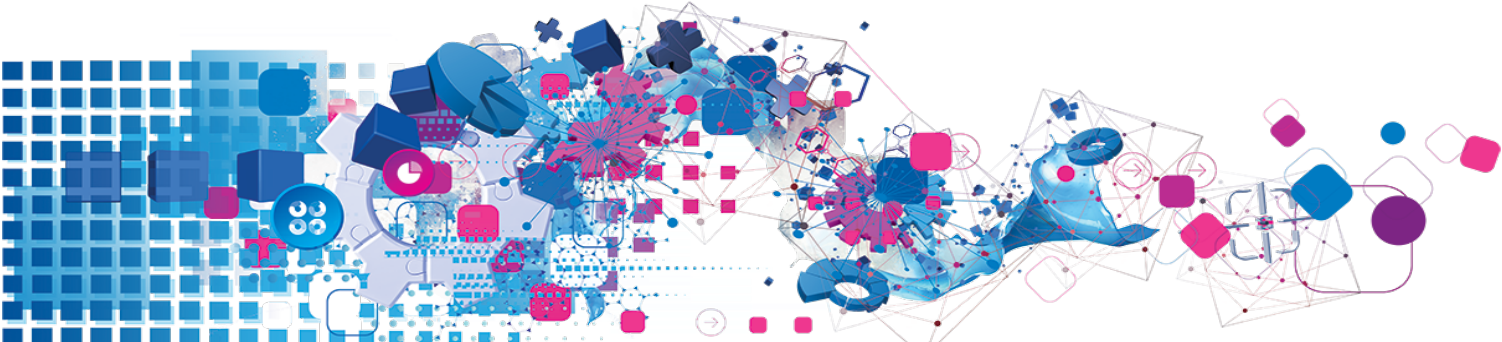


Wales



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Contacts and Support

For resolutions to common issues, answers to frequently asked questions and hints and tips for using our products:

www.edq.com/documentation/contact-support/

For information about data expiry, data vintage and how to keep your data up to date:

www.edq.com/documentation/data

For more information about us and to get in touch:

www.edq.com

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Introduction

Wales Address Data Information

The WLS Address Dataset provides Welsh language addresses, where available, for addresses in Wales. Where no Welsh language address exists, the English language variant is returned in its place.

WLS Address Dataset

Dataset Code:	WLS
Approximate Data Size:	33MB
Data Source:	The Royal Mail's Postcode Address File (PAF). All data, extracts and updates © Royal Mail Group PLC.
Update Frequency:	Monthly or 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 the same year.</p> <p>Ensure every data update is applied promptly, otherwise the data may expire and the product will become unusable.</p>

The Postal Address File is compiled, updated and supplied by Royal Mail. Experian receives new PAF data from Royal Mail on a monthly basis.

In addition to cleaning, reformatting and compressing the PAF, Experian also enhances the data supplied from Royal Mail.

List Of Available Data Files

File Name	File Type	Comment
.dts	Dataset	Main address data.
.zlx	Single Line Index File	Indexing data for use with Single Line searching.
.tpx	Typedown Index File	Indexing data for use with Typedown searching.
.dap	DataPlus Set	DataPlus data. See page 8 for more information about the available DataPlus sets.
.zlb	Single Line Index File	Indexing data for use by Verification engine.

About This Data

This chapter provides detailed information about the WLS Address Dataset.

Address Elements

The following address elements are stored within the WLS data files.

Address Element	Example	Element Code
Organisation	Experian Ltd	O11
Department	Gwerthiannau	O21
Whole PO Box	PO Box 12	B11
PO Box (Name)	PO Box	B111
PO Box (Number)	12	B112
Sub-building name	Fflat 2	P22
Whole Sub-building number	1G	P21
Sub-building number (Primary)	1	P211
Sub-building number (Additional)	G	P212
Building name	Gwesty Cymru	P12
Whole Building number	27a	P11
Building number (Primary)	27	P111
Building number (Additional)	a	P112
Whole Dependent thoroughfare	Heol Y Gors	S21
Dependent thoroughfare (Name)	Y Gors	S211
Dependent thoroughfare (Descriptor)	Heol	S212
Submitted Dependent thoroughfare		S21*
Whole thoroughfare	Stryd Y Popty	S11
Thoroughfare (Name)	Y Popty	S111
Thoroughfare (Descriptor)	Stryd	S112
Submitted thoroughfare		S11*
Double dependent locality	Pillgwenlly	L41
Dependent locality	Casnewydd	L31
Submitted PNR Locality	Penglais	L32
Town	Aberystwyth	L21
County	Dyfed	L11
PNR county ⁺	Mid Glamorgan	L12
Postcode	SY23 3AQ	C11
Country ⁺	Cymru	X11
Two character ISO country code ⁺	WL	X12
Three character ISO country code ⁺	WLS	X13
Delivery Point Suffix ⁺	1A	A11

**Elements that only appear in the address if their position is fixed.*

** Elements that are only returnable if included in the search when using Pro.*

Address Element Definitions

Abbreviations

In Wales, two types of address element are often given in abbreviated form: the thoroughfare (and dependent thoroughfare) descriptor and the county name. The abbreviated form depends on your configuration. Examples of these are shown in the following table:

Element	Abbreviated Form	Expanded Form
Thoroughfare:	Queens St	Queens Street
	Dean Rd	Dean Road
	Llyfrgell Cyff	Llyfrgell Cyffordd
	Yst Ysbyty	Ystad Ysbyty
County:	W Glam	West Glamorgan

Both full and abbreviated names will be recognised during searching. The Format Options for your address layout determine which version is returned.

Postally Non-Required Localities (PNRLs)

A Postally Non-Required Locality (PNRL) is a name that is commonly used to identify part of a town, but is not officially required in addresses. They tend to be found in larger towns, especially Cardiff; for example, Cathays.

Many companies have customer addresses that include locality information which is not supplied in the standard PAF. This PNRL information is not required by Royal Mail for an item of mail to arrive at its destination. However, Experian sources a separate file from Royal Mail containing this PNRL information and builds it into the PAF so that the information can be returned when using an Experian product.

If a PNR locality is searched on, by default Pro will include it in the returned address. A returned address does not include a PNR locality if it is not inserted during the search.

You can use the Auto Formatting pane in the Configuration Editor to suppress these (and other) elements from a returned address. See the Configuration Help file for more information.

Postal counties

Royal Mail removed postal county information from the PAF as the information was no longer necessary for the successful delivery of mail. However, Experian integrates the information back into the WLS data so that the postal county field can still be returned if required.

Element code L11 contains the postal county defined by Royal Mail when counties were part of the PAF. Element code L12 contains the PNR counties information. With a similar concept to a PNRL, a PNR county is county information used to identify for example major cities such as Cardiff, but which has never been needed to ensure successful delivery of an item of mail.

Postcode Structure

All addresses have a postcode. A postcode, for example CF10 1BS, is composed of two parts: an outcode and an incode.

The outcode (for example CF10) is used to route mail to the correct local area for delivery. The incode (for example 1BS) is used to sort the mail at the local area delivery office. In addition, postcodes can be split into these component parts:

Postcode Component	Corresponding To	Number In Wales
CF	Area	8
CF10	District	Approx. 250
CF10 1	Sector	Approx. 950
CF10 1BS	Full postcode	Approx. 165,000

On average, a postcode contains 15 delivery points, each of which is uniquely identified by the delivery point suffix. This is a two-character code (a numeric character followed by a letter). It never appears in addresses.

Valid Postcode Formats

There are two valid postcode formats in Wales. In the following list, 'A' indicates an alphabetic character and 'N' indicates a numeric character.

Outcode	Incode	Example
AAN	NAA	HR9 6EL
AANN	NAA	SA12 6LU

An additional limitation applies to the incode section of the postcode. The last two characters, AA, cannot be any of the following: C, I, K, M, O or V.

Postcode recodes

Every 6 months, Royal Mail changes a number of postcodes. Experian retains a list of all postcodes that have been recoded since 1990 and integrates them back into the PAF. This enables you to search using an old postcode and receive the recoded postcode in the results.

Default Address Format

The following WLS address layouts are defined by default in Pro:

Layout Name	Description
QAS Standard Layout < Default >	<p>Welsh addresses do not have a standard number of address lines. However, common practice, which these recommended layouts follow, displays the address over five lines:</p> <p>Line 1 Line 2 Town County Postcode</p> <p>Lines 1 and 2 contain the details of the organisation, sub-premises, premises, building name, and street address / PO Box.</p> <p>The postal town should be returned in capital letters.</p>

Layout Name	Description
Strict Postal	Royal Mail address layout with PNR localities and counties suppressed. Four address lines with the town in upper case. The town and postcode are fixed to the last two address lines.
Database (Plug and Go only)	As < Default>, but the end of line paste sequence is a {tab} instead of {Enter}.
Microsoft Word (Plug and Go only)	This is a Word-compatible layout with a UK barcode which contains five address lines, with the town in upper case. No elements are fixed and blank lines are suppressed during pasting. A UK barcode is returned after the address. PNR localities are returned if searched upon.

About DataPlus Information

You can configure your Experian products to use any of the available DataPlus sets that are available for WLS data. Please refer to the relevant section of the product documentation for information on configuring Experian products to return DataPlus information.

Each DataPlus set (.dap) is divided into one or more items. Experian 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 WLS Address Data.

DataPlus Sets for WLS Address Data

The following DataPlus sets are available with WLS Address Data:

DataPlus Set	File	Description
WLS PAF	wlspdp.dap	page 9
WLS UDPRN	wlsudp.dap	page 9

WLS PAF

Identifier: WLSPDP

The WLSPDP DataPlus set returns a PAF Organisation Key, a PAF Delivery Point Type and a PAF Address Key for a given postcode. This information enables you to uniquely identify a delivery point record, but only within a given release of PAF.

The PAF Address Key is a unique 8 digit number assigned by Royal Mail to each address on PAF. The PAF Address Key alone is not always sufficient to uniquely identify an individual delivery point because there can be more than one delivery point at the same address. For example, an address may contain a residential delivery point, and one or more small user organisation delivery points. Delivery points at the same address will usually, but not always, have the same postcode.

The PAF Organisation Key is an 8 digit number assigned by Royal Mail which uniquely identifies a small user organisation.

The PAF Delivery Point Type is a 1 character field assigned by Royal Mail which distinguishes between small user organisations or residential delivery points, and large user organisations.

Royal Mail update PAF Address Keys as and when necessary. This is part of the PAF data and is supplied to Experian every month.

Element	Code	Description
PAF Address Key	AddrKey	PAF Address Key.
PAF Organisation Key	OrgKey	PAF Organisation Key.
PAF Delivery Point Type	Type	PAF Delivery Point Type: "L" = large user, "O" = small user organisation, "R" = small user residential.

WLS UDPRN

Identifier: WLSUDP

The WLSUDP DataPlus set returns the Unique Delivery Point Reference Number (UDPRN) for the address, as assigned by Royal Mail.

Element	Code	Description
UDPRN Key	Udprn	The unique delivery point reference number, an 8 character code assigned to every delivery point in the Royal Mail's address file (PAF).

Using This Data

This chapter provides search tips and other product-specific information when using the following products:

- Pro
- Pro Web

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

With Pro

Search Examples: Typedown



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

- Full address known;
- Postcode not known;
- Sub-premises not known;
- PO Box number known.

Search Type	Example
Full address known	Enter the postcode cf645fh and press Enter . Enter the premises number 23 and press Enter . The correct address is returned: 23 Raven Way PENARTH South Glamorgan CF64 5FH
Postcode not known	Enter the location, y trallwng , and press Enter . Enter the first three letters of the street name, ker , and press Enter . In this example ker is enough to uniquely identify Kerrison Drive as there are no other places in Y Trallwng starting with ker . Enter the premises number 1 and press Enter . The correct address is returned: 1 Kerrison Drive Y TRALLWNG Powys SY21 7UW

Search Type	Example
Sub-premises not known	<p>Enter the postcode, cf119da, and press Enter.</p> <p>Enter the premises number 36 and press Enter.</p> <p>If the address contains sub-premises, the user is prompted to select a sub-premises number.</p> <p>Enter the sub-premises number 8 and press Enter.</p> <p>Flat 8, Greystone Court 36-38 Kings Road CAERDYDD CF11 9DA</p>
PO box number known	<p>Enter the location, abertawe, and press Enter.</p> <p>Enter po box and press Enter.</p> <p>Enter the PO Box number 334 and press Enter.</p> <p>The correct address is returned:</p> <p>Barclays Bank Plc PO Box 334 ABERTAWE SA1 3YN</p>

Search Examples: Single Line

Enter search

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

- Full address known;
- Sub-premises known;
- Postcode not known;
- Only street name known;
- Character missing from address;
- Address contains spelling mistake;
- Incomplete address element (partial);
- Incomplete address element (tagged);
- All organisation types in location.

Search Type	Explanation
Full address known	<p>Enter the premises number followed by the postcode: 125, sy233tg</p> <p>The correct address is returned:</p> <p>125 Pentre Jane Morgan Penglais ABERYSTWYTH Dyfed SY23 3TG</p>

Search Type	Explanation
Sub-premises known	<p>If the full address contains known sub-premises, enter the sub-premises followed by the premises number, then the postcode:</p> <p>1, 27, cf101pu</p> <p>The correct address is returned:</p> <p>1 Castle Apartments 27 Heol Fawr CAERDYDD CF10 1PU</p>
Postcode not known	<p>If the postcode is not known, enter the premises number and street name followed by the locality:</p> <p>132 oystermouth rd, abertawe</p> <p>The correct address is returned:</p> <p>132 Oystermouth Road ABERTAWE SA1 3RW</p>
Only street name known	<p>If only the street name is known, entering in the street will return a picklist from which the correct one can be selected. Pro can handle abbreviated street descriptors such as st, rd, ave or cl.</p> <p>Enter queen street to view a list of every street of that name in the country.</p>
Character missing from address	<p>If one character is missing from the address the unknown character can be replaced with a question mark.</p> <p>Enter 92 de?n rd, wreccsam and the correct address is returned:</p> <p>92 Dean Road WRECSAM Clwyd LL13 9EL</p>
Address contains spelling mistake	<p>Entering an address that contains one or more spelling errors can still return the correct address.</p> <p>Entering 2 clandennis road, caerdydd will still return the correct address:</p> <p>2 Llandennis Road CAERDYDD CF23 6EF</p>
Incomplete address element	<p>If you only have partial address information, you can replace the remainder of an address element with an asterisk.</p> <p>Entering queen st, aber* will display a picklist of Queen Streets in all places beginning with "Aber...".</p>
Incomplete address element	<p>Sometimes it is helpful to tag a part of the search string to let Pro know which part of the address it is. For a list of available search constraints, see page 12.</p> <p>Searching on king*@s, abertawe tells Pro to display a picklist of streets that begin with "King..." in Abertawe.</p>
All organisation types in location	<p>Enter *hotel, aberaeron to view a list of all hotels in Aberaeron.</p>

Search Constraints

The following search constraints can be used to restrict searches when using the Single Line search engine in Pro.

Constraint	Elements Restricted to	Example Search
@O	Organisation and department	*bank@o, ceardydd
@P	Building and sub-building name/numbers	*fraser@p, aberystwyth
@S	Thoroughfare and dependent thoroughfare	king*@s, abergele
@L	Dependent and double dependent locality	bodafon farm, bodafon@l
@T	Post town	pengr?g hall, aberystwyth@t
@C	County and PNR county	high street, dyfed@c
@X	Postcode	*coffee,cf@x

It is a good idea to use O and P together rather than separately (for example, 'ship*@op, aberystwyth'). This is because some building names are recorded on PAF as organisation names.

With Pro Web

Scenarios

The following table indicates the relevant search examples for each Pro Web scenario and search engine that supports WLS Address data.

Scenario	Search Engine	For search examples, see:
Address Capture	Single Line flattened	Single Line search examples on page 11 .
Address Verification	Verification	Verification search examples on page 14 .
Rapid Addressing – Standard	Typedown	Typedown examples on page 10 .
	Single Line hierarchical	Single Line search examples on page 11 .
Rapid Addressing –Single Line	Single Line hierarchical	Single Line search examples on page 11 .
Bulk Processing	Verification	Bulk Processing search example on page 15 .

Search Examples: Verification

Users of 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	st marys cathedral stryt y rhaglaw wreccsam This search brings back a verified address with the verify level of "Verified".
Multiple	3 church road caer This search brings back a verify level of "Multiple" and offers a picklist of possible addresses as there are multiple Church Roads in Caer.
None	stryt y unman aberdarfod This search brings back a verify level of "None" as the address does not exist in the data. Note that searches which do not contain enough information to be verified may also return a verify level of "None", even if they are present in the data. For example: covenant players np4 4aq
StreetPartial	ffordd gelli morgan parc menai bangor This search brings back a verify level of "StreetPartial" as the search did not define a property number for the street location "Ffordd Gelli Morgan".
PremisesPartial	llys y dderwen ffordd gelli morgan parc menai bangor This search brings back a verify level of "PremisesPartial" as there is more than one business unit at the address.
InteractionRequired	2 maes cadwgan aberaeron This search brings back a verify level of "InteractionRequired" as the street name was not complete and, although there was only one match, the address requires verification from the user before returning the complete address: 2 Maes Cadwgan Place ABERAERON Dyfed SA46 0BU

For more information about the Verification engine, refer to the Address Verification section of the *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 Wales data from the **Datamap** drop-down box.

Rapid Addressing - Bulk Processing

Enter your Searches

Addresses

Datamap **Wales**

Next >

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

Rapid Addressing - Bulk Processing

Enter your Searches

Addresses

29 heol y parc, hendy, pontarddulais
1 glanyrafon terrace, np3 3ed
flat 5, 34 alexandra rd, abertawe
henllan st, denbigh, clwyd
the bramble, trenos place, llanharn
gwynne hughes, aberaeron

Datamap **Wales**

Next >

- 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																		
29 heol y parc, hendy, pontarddulais	Verified	<table border="1"> <thead> <tr> <th>Label</th> <th>Line</th> <th>Line Type</th> </tr> </thead> <tbody> <tr> <td></td> <td>29 Heol y Parc</td> <td>None</td> </tr> <tr> <td></td> <td>Hendy, Pontarddulais</td> <td>None</td> </tr> <tr> <td>Town</td> <td>ABERTAWÉ</td> <td>Address</td> </tr> <tr> <td>County</td> <td></td> <td>Address</td> </tr> <tr> <td>Postcode</td> <td>SA4 0XF</td> <td>Address</td> </tr> </tbody> </table>	Label	Line	Line Type		29 Heol y Parc	None		Hendy, Pontarddulais	None	Town	ABERTAWÉ	Address	County		Address	Postcode	SA4 0XF	Address
Label	Line	Line Type																		
	29 Heol y Parc	None																		
	Hendy, Pontarddulais	None																		
Town	ABERTAWÉ	Address																		
County		Address																		
Postcode	SA4 0XF	Address																		
1 glanyrafon terrace, np3 3ed	InteractionRequired	<table border="1"> <thead> <tr> <th>Label</th> <th>Line</th> <th>Line Type</th> </tr> </thead> <tbody> <tr> <td></td> <td>1 Glanyrafon Terrace</td> <td>None</td> </tr> <tr> <td></td> <td>Blaenau</td> <td>None</td> </tr> <tr> <td>Town</td> <td>ABERTYLERI</td> <td>Address</td> </tr> <tr> <td>County</td> <td>Gwent</td> <td>Address</td> </tr> <tr> <td>Postcode</td> <td>NP13 3ED</td> <td>Address</td> </tr> </tbody> </table>	Label	Line	Line Type		1 Glanyrafon Terrace	None		Blaenau	None	Town	ABERTYLERI	Address	County	Gwent	Address	Postcode	NP13 3ED	Address
Label	Line	Line Type																		
	1 Glanyrafon Terrace	None																		
	Blaenau	None																		
Town	ABERTYLERI	Address																		
County	Gwent	Address																		
Postcode	NP13 3ED	Address																		
flat 5, 34 alexandra rd, abertawe	Multiple	Label Line Line Type																		
Henllan St, Denbigh, Clwyd	StreetPartial	Label Line Line Type																		
the brambles, trenos place, llanharan	PremisesPartial	Label Line Line Type																		
gwynne hughes, aberaeron	None	Label Line Line Type																		