Experian Data Validation for SAP CRM7

# EXPERIAN DATA VALIDATION FOR SAP CRM7

SOLUTION OVERVIEW GUIDE

DATA VALIDATION FOR SAP CRM 7



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## TABLE OF CONTENTS

Solution Overview Guide	1
data validation for SAP CRM 7	1
1. Product Overview - Address Validation Solution for SAP CRM 7.0	3
2. ENGINES	3
Search criteria	4
SINGLE LINE & VERIFICATION	5
Picklist	5
Final Address	7
TYPE DOWN	8
Picklist	8
Final Address	
3. APPENDIX	
Error Message	
Searching With Special Characters	
Disabled Search Engines On Address Validation Popup	12

#### 1. OVERVIEW - ADDRESS VALIDATION SOLUTION FOR SAP CRM 7.0

Address Validation for SAP CRM 7.0 allows the user to capture or verify individual addresses through a single interface. In the case of address capture, users utilize SAP standard fields to enter search information. Instead of manually entering the complete address, the user enters a subset of the address fields before sending this information off to the search engine. A series of dialog Pop up's then guides the user through the corresponding lists of choices, narrowing the search down to return a verified, postal correct address.

The Address validation Search engine ensures that even miss-typed address information can be found. For example, to capture a GBR address, all a user needs to enter is the postcode. From here, a list of the premise numbers is presented to the user to pick from. Different countries will require different address information to be supplied in order to get sensible numbers of choices. Address capture is available for all country datasets currently supported by Experian.

Address validation for SAP is a SAP accredited address management solution for use within Business Address Services (BAS) in SAP CRM 7.0. The solution provides the ability to verify or capture a full, correct address for any of the EDQ supported country datasets as quickly as possible and with the minimum of interaction with the user.

The solution allows a user to enter an address into SAP CRM 7.0, which is then checked against the reference data for that country. If the address is correct, or can be matched to a final address, then the verified address will be returned to the screen in the configured format. If an address cannot be verified, the user can search for and select the correct final address.

#### 2. ENGINES

There are three types of search engine available with Experian Pro Web or On-Demand:

- Single Line
- Verification
- Typedown

The Single Line engine requires that you input your search terms (i.e. building number and postcode), along with the appropriate country code (i.e. GB) before hitting the 'Enter' button. This then concatenates the search terms onto one line and sends this information to the Experian Pro Web /OnDemand engine.

The Verification engine is only recommended for use with US addresses and requires several address elements to be supplied to the engine.

The Typedown engine allows you to save on key presses by searching as you type. To utilize this engine, simply input the country code needed (i.e. GB), hit the 'Enter' button, and this will invoke the Typedown search interface.

The Experian Pro Web /OnDemand search will be invoked using the configured search engine for the selected country. To learn how to configure the engine type, please refer to the Installation Guide'.

The search will use elements entered in the standard SAP fields as the input. The fields that are defined as 'search fields' are configurable by your administrator. To learn how to configure Search Fields, please refer to the Installation Guide'.

Experian Data Quality Address Validation Webpage Dialog				
🕖 http://qa4sapecc6tes	.qas.com:8005/sap(====)/t	c/bsp/sap/bsp_wd_base/popup_buffered_frame_cached.htm?sap	-client=0018sap-language=E8sap-domaini	
Search Engines				
€ SingleLine	C TypeDown	C Verification		
SingleLine Address	Capture			
Enter Search		🕼 Search [ 🕆 New 💽 Back 🗶 Cancel		

#### SEARCH CRITERIA

The information entered into the search fields will differ, dependent on the engine used for the search:

If the **Single Line or Verification engines** are used, a field containing the mySAP country code and at least one other field must be configured.

If the **Typedown engine** is used, only a mySAP country code search field should be configured. When searching using QAS Pro Web, entries will be made in these search fields.

General Data			Main Address and Communication Da	ta				
ID	1803		Street/House Number	Davis Road, Market	Lavingtor	n,Devizes	12	
Title		•	Postal Code/City	SN10 4DQ		Wiltshire		
Academic Title		•	Country	6B	đ	United Kingdom		
First Name			Region		đ			
Last Name*	Customer		National Version(s)					
Date of Birth		6	Phone/Extension	68 🗍				
Rating	Ū		Mobile	68 🗍				
Search Term			Fax/Extension	68 🗍				
Language	Ū		E-Mail					
			Communication Method					Ŧ

#### SINGLE LINE & VERIFICATION

In the case of the search being executed by the Single Line engine the user can be presented with one of two possible windows:

- Picklist
- Final address

## PICKLIST

Once an initial search has been performed the results are returned to the user in the form of a Picklist.

caperiai	n Data Quality Address Validation Webpage Dialog
http://qa	v4sapecc6tes. <b>qas.com</b> :8005/sap(====)/bc/bsp/sap/bsp_wd_base/popup_buffered_frame_cached.htm?sap-client=0018sap-language=E8sap-domai
earch En	gines
🖲 Singl	eLine C TypeDown C Verification
ingleLin	e Address Capture
Enter Sea	roh 🕼 Search 💽 New 💽 Back 🗶 Cancel
ick List	
	Address
-=	1 Davis Road, Market Lavington, DEVIZES, Witshire SN10 4DQ
=	2 Davis Road, Market Lavington, DEVIZES, Witshire SN10 4DQ
-=	3 Davis Road, Market Lavington, DEVIZES, Witshire SN10 4DQ
=	4 Davis Road, Market Lavington, DEVIZES, Witshire SN10 4DQ
=	5 Davis Road, Market Lavington, DEVIZES, Witshire SN10 4DQ
=	6 Davis Road, Market Lavington, DEVIZES, Witshire SN10 4DQ
=	7 Davis Road, Market Lavington, DEVIZES, Witshire SN10 4DQ
	8 Davis Road, Market Lavington, DEVIZES, Witshire SN10 4DQ
	(Back 1 2 3 Forward)

The Picklist is either Flatten or Hierarchical and interactive and a user can step into an item in the Picklist by clicking on the Icon.

#### Flatten Picklist:

Pick List	
Searchin	ng On
<b>I</b>	1 2 3
	QAS Address
=	Flat A, 6
==	Flat B, 6
-=	Flat C, 6

### Flatten Picklist with Range of Addresses:

arch En	ines
C Single	Line C TypeDown C Verification
peDow	Address Capture
Enter buil	ing number/hame or organization
ck List	
Searchir	a On
+	Intréal-Nord +boul Maurice- Duplessis
•	Iontréal-Nord +boul Maurice- Duplessis
	Ontréal-Nord +boul Maurice- Duplessis
	Iontréal-Nord +boul Maurice- Duplessis QAS Address :5581 5655 [odd] H1G 1X8
	Ontréal-Nord +boul Maurice- Duplessis
	AAS Address S581 5655 [odd] H1G 1X8 S584 5656 [even] H1G 1X9
	Ontréal-Nord  +boul Maurice- Duplessis    QAS Address
-8	Address    GAS Address    :5581 5655 [odd] H1G 1X8    :5584 5656 [even] H1G 1X9    :5790 5850 [even] H1G 1Y1    :5795 5851 [odd] H1G 1Y2
	About réal-Nord  +boul Maurice- Duplessis    QAS Address
	ASS Address    GAS Address    :5581 5655 [odd] H1G 1X8    :5584 5656 [even] H1G 1X9    :5790 5850 [even] H1G 1Y1    :5795 5851 [odd] H1G 1Y2    :6000 6024 [even] H1G 1Y3    :6001 6025 [odd] H1G 1Y4

#### **Hierarchical Picklist:**

Ē.	Berwyn Road, LONDON ,SE24 9BD ,80 %	
	Equilibrities of the second second second	

A Picklist line can have one of three possible icons:

The icon indicates that the selection represents another pick list. Selecting the line will return the next level addresses Picklist.

- 1	_
i	

The icon indicates that the selection represents a unique address. Selecting the line will return a final address window.



The icon indicates that the selection represents Range of addresses. User has to select any one of address within the range.

Occasionally a Picklist can return a line without an icon. This indicates that the line is information only. As well as lines representing other Picklists or final addresses a Picklist contains a number of buttons:

- The button is to reinitiate the address validation process and user can start address searching again.
- The button returns the user to the previous Picklist or previous screen.
- The **Cancel** button cancel the address validation process and closes the window.
- The button is used in conjunction with the entry is made in the input field and the button pressed the current Picklist is refined using the entry.

#### FINAL ADDRESS

At the bottom level of a Picklist hierarchy is the final address. A final address can be returned by the user stepping into or refining a Picklist. In the case of an initial search returning a single result, the final address is immediately returned to the user without the need for a Picklist.

http://qa4sapecc6	tes. <b>qas.com</b> :8005/sap(====)/bc/bsp/sap/bsp_w	_base/popup_buffered_frame_cached.htm?sap-client=0018sap-language=E8sap-doma
ldress was suc	cessfully checked, Do you want to use the ne	w values ?
Address Field	Original Address	New Address
House Number		1
Street	Arthur Street,Newton Stewart	His Hers & Theirs, Arthur Street
City	Wigtownshire	NEWTON STEWART
Region		WT
Postal Code	DG8 6DE	DG8 6DE

The final address window contains five buttons:

- The button returns the user to the previous Picklist or previous screen.
- The button is to reinitiate the address validation process and user can start address searching again.
- The Keep Original Address button is to complete address validation process by ignoring the address recommendations from the tool. In such case the user entered address will be considered in mySAP View.
- The Accept New Address button accepts the final address recommended by the tool and copies the address back to mySAP view.
- The **Cancel** button cancel the address validation process and closes the window.

#### TYPE DOWN

In the case of the search criteria being configured for the Typedown engine the user can be presented with

- Picklist
- Final address

### PICKLIST

An initial search returns an empty Picklist to the user.

Experian Data Quality Address Validation Webpage Dialog 🛛 🛛 🗙				
🕖 http://qa4sapecc6tes	.qas.com:8005/sap(====)/b	bc/bsp/sap/bsp_wd_base/popup_buffered_frame_cached.htm?sap-client=0018sap-language=E8sap-domainl		
Search Engines				
C SingleLine	TypeDown	C Verification		
TypeDown Address	Capture			
Enter Postal code or P	lace	Preve Back X Cancel		

As the user enters further information, the Typedown engine will refine the Picklist, and allow the user to click through on the displayed search results.

Experian Data Quali	ty Address Validation	Webpage Dialog	E
http://qa4sapecc6tes.	qas.com:8005/sap(====)/	cc/bsp/sap/bsp_wd_base/popup_buffered_frame_cached.h	tm?sap-client=0018sap-language=E8sap-domain
Search Engines			
C SingleLine	€ TypeDown	C Verification	
TypeDown Address C	Capture		
Enter flat/unit number		New Back X Cancel	
Pick List			
Searching On			
+SW4 0QX, London	<b>2</b> +6	3 Flat A C, 6	
. QAS Addres	**		
- E Flat A, 6			
Flat B, 6			
Flat C, 6			
Flat C, 6			

A Picklist line can have one of three possible icons:

The icon indicates that the selection represents another pick list. Selecting the line will return that picklist.

The icon indicates that the selection represents a final address. Selecting the line will return a final address window.

The icon indicates that the selection represents Range of addresses. User has to select any one of address within the range.

Occasionally a Picklist can return a line without an icon. This indicates that the line is information only. As well as lines representing other Picklists or final addresses a Picklist contains a number of buttons:

- The button is to reinitiate the address validation process and user can start address searching again.
- The button returns the user to the previous Picklist or previous screen.
- The total button cancel the address validation process and closes the window.

#### FINAL ADDRESS

Once the final address has been reached, the user will be able to click the 'Accept' button, and will see the address returned to the relevant SAP view.

http://qa4sapecc6	ites. <b>qas.com</b> :8005/sap(====)/bc/bsp/sap/bsp_w	_base/popup_buffered_frame_cached.htm?sap-client=0018sap-language=E8sap-doma
idress was suc	cessfully checked, Do you want to use the ne	w values ?
a daha sa Fiald	Children & Addresses	New Address
Address Field	Original Address	New Address
House Number		1
Street	Arthur Street,Newton Stewart	His Hers & Theirs, Arthur Street
City	Wigtownshire	NEWTON STEWART
Region		WT
Postal Code	DG8 6DE	DG8 6DE

The final address window contains five buttons:

- The button returns the user to the previous Picklist or previous screen.
- The button is to reinitiate the address validation process and user can start address searching again.
- The Keep Original Address button is to complete address validation process by ignoring the address recommendations from the tool. In such case the user entered address will be considered in mySAP View.
- The Accept New Address button accepts the final address recommended by the tool and copies the address back to mySAP view.
- The **Cancel** button cancel the address validation process and closes the window.

## 3. APPENDIX

#### ERROR MESSAGE

If at any point during the Address validation process an error occurred, then user is presented with error details in messaging area of mySAP view.

in	dividual Account: New				🖸 Back 🔻 💽 🎽
۵	Save 🛛 💢 Cancel 🛛 🍄 New 🗍 Fact Sheet				<mark>്ര 🛆 സ്</mark> 🖉 🖨
	▼ Individual Account Details			Addr	ess validation, please contact Admin
	General Data	Main Address and Communication Dat	a <sup>85</sup>		
	ID	1806	Street/House Number		
	Title	×	Postal Code/City	HA52EQ	
	Academic Title	×	Country	68 🗇	United Kingdom
	Fist Name		Region	đ	

In	dividual Account: New							E	lack 💌 🤅	- 0
8	Save   🗶 Cancel   🍄 New   Fact Sheet						<mark>്ര (</mark> വിന്നും)	P	8 1	8
	▼ Individual Account Details 🛛 🖉 Edit			EDQ API Error: No con	nection could be mad	le becau	se the target machine acti			
	General Data		Main Address	and Communication Dat	-		I Error:No connection could machine acti	be ma	ie becau:	se the
	ID	3181		Street/House Number		co got i				
	Title			Postal Code/City	SW400X					
	Academic Title	<b>•</b>		Country	GB	Ø	United Kingdom			

If the search criteria entered by user does not yield any results, then user will is presented with the below error in messaging area of mySAP view.

Individual Account: New	Back * 🖸 👻
🔚 Save   🗶 Cancel   🎦 New   Fact Sheet	<mark>ල 🕭 ග්</mark> 🖉 🖨
▼ Individual Account Details 🛛 🖉 Edit	No matches found, refine search for address
General Data	Main Address and Communication Data
ID 1809	Street/House Number

#### SEARCHING WITH SPECIAL CHARACTERS

The tool supports the Address validation process with Special characters. User can enter their search criteria (with Special characters) either in mySAP view or directly in Address validation Popup.

#### Search Criteria:

🛿 Experian Data Quality Address Validation Webpage Dialog 🛛 🔀					
http://qa4sapecc6tes.	<b>gas.com</b> :8005/sap(====)/b	c/bsp/sap/bsp_wd_base/popup_buffered_frame_cached.htm?sap-client=0018sap-language=E8sap-domaini			
Search Engines					
C SingleLine	€ TypeDown	C Verification			
TypeDown Address Co	apture				
Enter Postal code or Pla	oe Montréal-Nord	🕒 New 💽 Back 🗶 Cancel			
http://qa4sapecc6tes.qas.c	:om:8005/sap(====)/bc/bsp	o/sap/bsp_wd_base/popup_buffered_frame_cached.htm?sap-client=001: 😜 Internet			

#### **Result Picklist**:

Pick List	ick List							
Searchin	Searching On							
I								
	QAS Address							
🖻	+Montréal-Nord							

#### DISABLED SEARCH ENGINES ON ADDRESS VALIDATION POPUP

The search engines that are not supported for the dataset are disabled for user selection in Addess Validation Popup.

🖉 Experian Data Quality Address Validation Webpage Dialog 🛛 🛛 🔀						
http://qa4sapecc6tes	s. <b>qas.com</b> :8005/sap(====)/t	c/bsp/sap/bsp_wd_base/popup_buffered_frame_cached.htm?sap-client=0018sap-language=E8sa	p-domain!			
Search Engines						
€ SingleLine	C TypeDown	C Verification				
SingleLine Address	Capture					
Enter Search		(#Search) [] New Back X Cancel				
http://qa4sapecc6tes.qas	s.com:8005/sap(====)/bc/bs	p/sap/bsp_wd_base/popup_buffered_frame_cached.htm?sap-dient=001: 😜 Internet				