
Data Guide

France (FRX)

QAS Ltd.

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Introduction

France Address Data Information

FRX Address Dataset

Dataset Code: FRX

Approximate Data Size: 440MB

Data Source: La Poste

Update Frequency: Bi-monthly

Expiry: The data release dates are:

- February
- April
- June
- August
- October
- December

Data files expire approximately 6 months after the release date.

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

About This Data

This chapter provides detailed information about the FRX dataset.

Area Covered

The FRX dataset covers, to premises level, mainland France and Corsica, plus all overseas territories under French administration. It provides improved coverage and searching abilities compared to FRP.

Address Elements

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

Address Element	Example	Input and Output Element Code
Company name	Banque de France	O11
Department name	Accounts Department	O21
PO Box type	BP 12	B11
PO Box type	CE 12	B12
PO Box type	CP 12	B13
PO Box type	LP 12	B14
PO Box type	CS 12	B15
Additional geographic data	Centre Commercial	L41

Address Element	Example	Input and Output Element Code
Submitted secondary street / locality ^{1 5}	lieu dit au Bois	L42
Number	16	P11
Number extension	A	P12
Secondary number	28	P21
Secondary number extension	B	P22
Street	rue du General de Gaulle	S11
Street (Type)	rue	S111
Street (Other words)	du General de	S112
Street (Keyword)	Gaulle	S113
AFNOR-32 Street ⁶	lot du Carre Jean Claude	S12
AFNOR-32 Street (Type)	lot	S121
AFNOR-32 Street (Other words)	du Carre Jean	S122
AFNOR-32 Street (Keyword)	Claude	S123
Submitted Postal locality / Geographic town	Cesseins	L31
Postcode	17306	C11
Town ²	Rochefort	L21
Cedex office	Strasbourg Cedex 9	L22
Département ³	Charente Maritime	L11
INSEE code	17299	L27

Address Element	Example	Input and Output Element Code
AFNOR line 1 ^{1 4}	Unmatched retained address information. See	P31
AFNOR line 2 ¹	“AFNOR Standard Formatting” on page 7 for more information about these elements.	P32
AFNOR line 3 ¹		P33
Country	France	X11
Three character ISO country code	FRA	X12
Two character ISO country code	FR	X13

¹ *These elements are only relevant to Batch, and are not used in any other QuickAddress product.*

² *The town name is blank in CEDEX addresses.*

³ *This element also holds “département number” as an alias.*

⁴ *You can also use the O11 element (company name) to specify AFNOR line 1 in the input layout.*

⁵ *The L42 element is not populated in the raw data, but is only used to hold any secondary street information which is returned by Batch in the output address.*

⁶ *The AFNOR-32 Street elements are for use in output layouts only. To specify the Street in the input layout you should use the S11 elements.*



An INSEE code is a five character alpha-numeric code that identifies a locality. The first two characters are the département (province) code.

The département and INSEE codes are usually omitted from addresses, and will only be returned if you specifically include them in your address layout.

There are five ‘special service’ (PO Box) types in France: BP (Boîte Postale), CE, CP, LP and CS.

Address Element Definitions

Abbreviations

All elements are returned in their full form as supplied to QAS. For unusually long street names, the street name and/or street type may have been abbreviated by La Poste. Additionally, in single line searching, common street type abbreviations are recognised and matched automatically.

Diacritics

France data is supplied to QAS in upper case and without punctuation. This means that there are no diacritic characters (such as accents) present in the France data. However, specifying accents and common punctuation marks in your searches will not prevent matches being made to your addresses.

Postal code Structure

A French postal code is a five digit code, identifying a specific postal delivery office. The first two digits identify the département (province) of the country, and the last three digits identify the office within that département. Depending on the population size, a postal code may cover many towns or part of a large city.

Recipients of large volumes of mail have special CEDEX (Courrier d'Entreprise à Distribution Exceptionnelle) postal codes. CEDEX postal codes are followed by the CEDEX office name, and sometimes by a two digit arrondissement number. For example:

Postal code: 75014

CEDEX postal code: 75378 PARIS CEDEX 08

Some CEDEX office names include a single-digit number instead (e.g. TOULOUSE CEDEX 3); this represents a subdivision of the CEDEX office.

Default Address Format

AFNOR Standard Formatting

The default output address format for the FRX data is compliant with the AFNOR standard XPZ10-011 (May 1997). The AFNOR standard determines the following properties of the default address format:

- The number of lines in each address (six);
- The maximum number of characters on each line (38);
- Which elements are fixed to which lines;
- The abbreviations that are allowed;
- The punctuation that is allowed;
- That line 6 must be capitalised.



Addresses can also be output using an older, 32-character version of the AFNOR standard if required. This is done by editing the configuration files that are shipped with the product.

For more information about how to output addresses using this standard in QuickAddress products refer to “Configuration Settings” on page 19 (for Batch Standalone see “Advanced Options” on page 26).

The default output address format contains the following elements:

Line 1	Company or recipient's name
Line 2	Sub-building details (flat, floor, staircase etc.)
Line 3	Entrance or building details, or secondary street
Line 4	Building number and street name
Line 5	BP (PO box) or postal lieu-dit
Line 6	Postcode and town or CEDEX office

If an address contains two streets, the more important street (the primary street) should go on line 4, while the less important (the secondary street) goes on line 3. The primary and secondary streets are returned in the street element (S11) and secondary street element (L42) respectively. The L42 element is not populated in the raw data. It is only used to hold any secondary street information which is returned by Batch in the output address.

Lines 1-3 in the default output address format are populated by elements P31-33 respectively. These lines contain any standard PAF address elements which normally belong on these lines, as well as any relevant information which was entered by the user, and which cannot be matched against the FRX data. You can move these lines within the default address format so that they appear anywhere in the output address layout.



If you have upgraded from a version of QuickAddress Pro or Pro Web which is not FRX-compatible, you can ensure that your layout is AFNOR-compliant by doing one of the following:

- *Copy the [AFNOR] section from the qawserve.ini configuration file as it shipped, and paste it into your own configuration file.*
- *Manually edit your layout to ensure that it meets the AFNOR criteria. For information about how to create and edit layouts refer to your product documentation. For Windows users, this information is supplied in the Configuration Editor help, and for UNIX users, in the Configuration Settings chapter of your product manual.*

Residential addresses commonly consist of two lines: the first contains the building number and street name, and the second contains the postal code and the town name.

For example:

4 chemin du Moulin
64160 ABERE

When you paste a typical residential address back to an underlying application, Pro will therefore return four additional blank lines to make the required six: three preceding the first line, and one in between the first and second address lines.

CEDEX organisation addresses consist of six lines. The first three contain the company name, company department and any additional geographic data (for example, an industrial estate name) respectively. Line four contains the property and street information as for residential addresses. The fifth line contains any PO box information, followed by an additional locality, where this is different from the CEDEX office name. The last line of the address contains the postal code and the CEDEX office name.

For example:

FONTRIER PAUL

LA MONTAZ
2208 ROUTE DE CHAMBERY
BP 1 GILLY SUR ISERE
73205 ALBERTVILLE CEDEX

In the default address format for FRX data, all address elements are in upper case. The QuickAddress Configuration Editor allows you to determine whether each address element should be returned in mixed or upper case. Refer to the documentation supplied with your product for further information.

About DataPlus Information

You can configure your QAS products to use any of the available DataPlus sets that are available for FRX data. Refer to the relevant section of the product documentation for information on configuring QAS products to return DataPlus information.

Each DataPlus set 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 FRX Address Data.

DataPlus Sets for FRX Address Data

The following DataPlus sets are available with FRX Address Data:

- FRX Street Information;
- FRX Premises Information;
- FRX MOSAIC.

Street Information

Identifier: FRXSTR

Element	Code	Description
Street registration number	StrReg	This is a unique number which identifies each street in France. This is used mainly by the SNA as a way of navigating through their data files, although some companies use it as an aid in address de-duplication.
Roudis number	RoudisNo	This reference code provides an entry point into the ROUDIS2000 file provided by La Poste, which contains descriptions of the postman's walk. This code will not change even if the address changes in some way (for example, if the street is renamed). It is used for Mailsort purposes.

Premises Information

Identifier: FRXPRM

Element	Code	Description
Geographical key	GeoKey	<p>This is a unique number which identifies each building or premises, and is used for address de-duplication. Note that two flats within the same building will have the same GeoKey, while two flats in different buildings will have different GeoKeys.</p> <p>This number stays the same even if the address changes in some way (e.g. the street is renamed).</p>

MOSAIC

Identifier: FRXMOS

The FRXMOS DataPlus set returns Experian's MOSAIC demographic classifications for French addresses. A MOSAIC code, e.g. 'A01', is made up of a group ('A') and a type ('01'). Groups or types can be returned, and the associated descriptions are available in French and English.

Addresses for which no match can be found will return the code 'Z99' ("Non répertorié").

Element	Code	Description
MOSAIC Code	TypeAndGroup	MOSAIC code, consisting of the group and type, e.g. "C13" .
MOSAIC Type Code	TypeCode	MOSAIC type, e.g. "13".
MOSAIC Type	TypeName	MOSAIC type description, e.g. "Préretraités tranquilles".
MOSAIC Type (EN)	TypeNameEng	English MOSAIC type description, e.g. "Settled, Pre-retirement".
MOSAIC Group Code	GroupCode	MOSAIC group, e.g. "C".
MOSAIC Group	GroupName	MOSAIC group description, e.g. "Seniors aisés et tradition".
MOSAIC Group (EN)	GroupNameEng	English MOSAIC group description, e.g. "Affluent Seniors and Tradition".

Using This Data

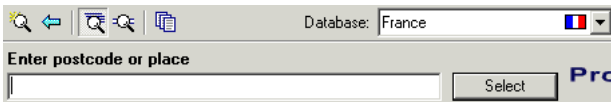
This chapter provides search tips and other product-specific information when using QuickAddress Pro, QuickAddress Pro Web, or QuickAddress Batch.



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

Search Examples: Typedown



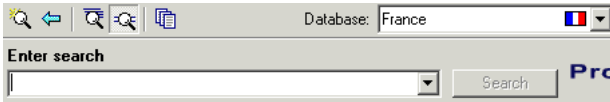
The screenshot shows the QuickAddress Pro search interface. At the top, there is a toolbar with icons for search, back, forward, and print. To the right of the toolbar is a dropdown menu labeled "Database:" with "France" selected and a French flag icon. Below the toolbar is a text input field with the placeholder text "Enter postcode or place". To the right of the input field is a "Select" button and the "Pro" logo.

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

- Full address known;
- Postal code not known;
- PO Box number known;
- Company name known.

Search Type	Example
Full address known	<ol style="list-style-type: none"> 1) Enter the postal code, 34070, and press Enter. 2) Enter the first few letters of the street, trin, and press Enter. In this example trin is enough to uniquely identify avenue du Pont Trinquat. 3) Enter the building details as prompted, 28, and press Enter. 4) The correct address is returned: 28 AVENUE DU PONT TRINQUAT 34070 MONTPELLIER
Postal code not known	<ol style="list-style-type: none"> 1) Enter the location, villers les nancy, and press Enter. 2) Enter the street name, granges, and press Enter. 3) Enter the building details as prompted, 64, and press Enter. 4) The correct address is returned: 64 RUE DES GRANGES 54600 VILLERS LES NANCY
PO box number known	<ol style="list-style-type: none"> 1) Enter the location, paris, and press Enter. 2) Enter the PO Box type, BP, and press Enter. 3) Enter the PO Box number, 685, and press Enter. 4) The correct address is returned: UNION DE BANQUES A PARIS 22 PLACE DE LA MADELEINE BP 685 75367 PARIS CEDEX 08
Company name known	<ol style="list-style-type: none"> 1) Enter the place name, Paris, and press Enter. 2) Enter the company name, Renault France, and press Enter. 3) The correct address is returned: RENAULT FRANCE AUTOMOBILE 23 BOULEVARD DE COURCELLES BP 379 75365 PARIS CEDEX 08

Search Examples: Single Line



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

- Full address known;
- Postal code 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	Enter the premises number, street name and the postal code, separated by a comma. You do not need to include street descriptors such as 'rue de': 63 rivoli,75001 The correct address will be returned: 63 RUE DE RIVOLI 75001 PARIS
Postal code not known	If the postal code is not known, enter the premises number and street name followed by the locality: 14 cronstadt,lille The correct address will be returned: 14 RUE DE CRONSTADT 59000 LILLE

Search Type	Explanation
Only street name known	<p>If the street name only is known, entering it will return a picklist from which the correct one can be selected. As picklists may be large, it is advisable to include street descriptors in this type of search.</p> <p>Enter retrait to view a list of every street with 'retrait' in the name.</p>
Character missing from address	<p>If a character is missing from the address the unknown character can be replaced with a question mark.</p> <p>Enter 2 place campe?raut,bordeaux and the correct address is returned:</p> <p style="padding-left: 40px;">2 PLACE CAMPEYRAUT 33000 BORDEAUX</p>
Address contains spelling mistake	<p>Entering an address that contains one or more spelling errors can often still return the correct address.</p> <p>Entering 44 goribaldi,toulouse will still return the correct address:</p> <p style="padding-left: 40px;">44 RUE GARIBALDI 31500 TOULOUSE</p>
Incomplete address element (partial)	<p>If you only have partial address information, you can replace the remainder of an address element with an asterisk.</p> <p>Entering anpe,boulevard gabriel* will still return the correct address:</p> <p style="padding-left: 40px;">ANPE 36 BOULEVARD GABRIEL KOENIGS BP 33105 31026 TOULOUSE CEDEX 3</p>
Incomplete address element (tagged)	<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 "Search Constraints" below.</p> <p>Searching on lille@s tells Pro to display a picklist of streets that contain the word "lille".</p>

Search Type	Explanation
All organisation types in location	Enter banque*,nice to view a list of all the banks in Nice that are contained in the FRX address data.

Search Constraints

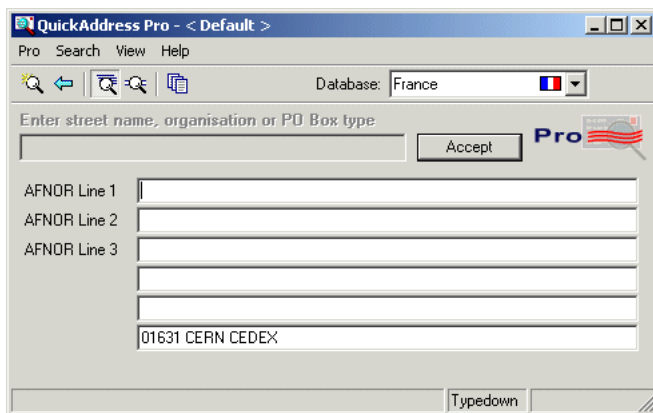
The following search constraints can be used to restrict search scope when using the Single Line search engine in Pro or Batch Interactive.

Constraint	Elements Restricted to	Example Search
@C, @D	Département	paris@d
@L	Town, locality, additional geographic data	lagarde@l
@O	Company name and department	paris*@o
@S	Street name	lille@s

Manually Entering Additional Address Information

If you use FRX data to search for a CEDEX address which has no additional address information, the final address screen will be displayed. You can manually enter any additional address details in the supplied fields.

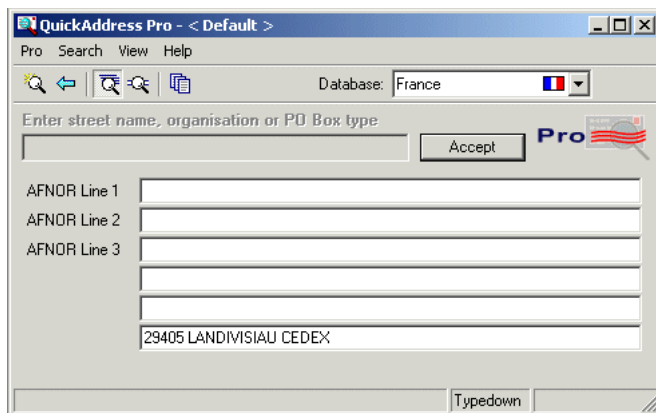
For example, performing a Typedown search on “CERN CEDEX” returns the following:



The screenshot shows the QuickAddress Pro interface. The title bar reads "QuickAddress Pro - < Default >". The menu bar includes "Pro", "Search", "View", and "Help". The database is set to "France" with a French flag icon. The search input field contains "CERN CEDEX" and an "Accept" button is visible. Below the search field are three empty text boxes labeled "AFNOR Line 1", "AFNOR Line 2", and "AFNOR Line 3". A larger text box at the bottom contains the result "01631 CERN CEDEX". A "Typedown" button is located at the bottom right of the window.

Similarly, if you use FRX data to search for a postcode which has no additional address information, the final address screen will be displayed. You can manually enter any additional address details in the supplied fields.

For example, performing a Typedown search on “29405” returns the following:



The screenshot shows the QuickAddress Pro interface. The title bar reads "QuickAddress Pro - < Default >". The menu bar includes "Pro", "Search", "View", and "Help". The database is set to "France" with a French flag icon. The search input field contains "29405" and an "Accept" button is visible. Below the search field are three empty text boxes labeled "AFNOR Line 1", "AFNOR Line 2", and "AFNOR Line 3". A larger text box at the bottom contains the result "29405 LANDIVISIAU CEDEX". A "Typedown" button is located at the bottom right of the window.

Configuration Settings

FRXSpecialAbbreviations={Yes/No}

Default:

Yes

Purpose:

This setting determines whether abbreviations should be applied to ensure the address line text always fits the layout line width.

If you require your address layout to be AFNOR-compliant, this setting must be set to **Yes**. For more information see “AFNOR Standard Formatting” on page 7.

This setting should be in the same section in your qawserve.ini file as the AFNOR-compliant layout.

FRXSpecialAbbreviations32={Yes/No}

Default:

No

Purpose:

This setting determines whether addresses should be output using an older, 32-character version of the AFNOR standard. This AFNOR standard includes a more comprehensive list of abbreviations than the 38-character standard; for example ‘Rue’ can be abbreviated to ‘R’.

If you require your address layout to use the 32-character AFNOR standard, this setting must be set to **Yes**. You should also use the AFNOR-32 Street element (S12) in your output layout instead of the usual Street element (S11). For more information see “AFNOR Standard Formatting” on page 7.

This setting should be in the same section in your qawserve.ini file as the AFNOR-compliant layout.

Additionally, the 32-character AFNOR standard specifies that there should be no space between the premises and premises suffix (unlike the 38-character standard). To adhere to the 32-character standard you must add the following element separator settings to the same layout in your qawserve.ini file:

```
FRXSeparateElements=Yes  
FRXElementSeparator={ } P12{^ } P22{^ }
```

With QuickAddress Pro Web

Scenarios

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

Scenario	Search Engine	For search examples, see:
Address Capture on the Intranet	Single Line hierarchical	Single Line search examples on page 15.
Address Capture on the Web	Single Line flattened	Single Line search examples on page 15.
Address Capture	Single Line flattened	Single Line search examples on page 15.
Address Verification	Verification	Verification search examples on page 21.
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.

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	18 avenue Junot 75018 PARIS France This search brings back a verified address with the verify level of "Verified".
Multiple	Andre Breton PARIS France This search shows what is returned if the user attempts to verify an address without knowing the full street name. The search brings back a verify level of "Multiple" and offers a picklist of possible addresses.
None	Missing Street Unknown Town France This search brings back a verify level of "None" as the address does not exist in the data.
StreetPartial	traverse Gallice GRENOBLE 38100 France This search brings back a verify level of "StreetPartial" as the search did not specify a property number.

Verify Level	Example
PremisesPartial	<p>10 impasse Andre Marestan 31047 TOULOUSE CEDEX 1 France</p> <p>This search brings back a verify level of “PremisesPartial” as there is more than one company at the address.</p>
InteractionRequired	<p>ciaps rue de Rennard 75004 PARIS France</p> <p>This search brings back a verify level of “InteractionRequired” because the street name was not correct and, although there was only one match, the address requires verification from the user.</p>

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

Configuration Settings

FRXSpecialAbbreviations={Yes/No}

Default:

Yes

Purpose:

This setting determines whether abbreviations should be applied to ensure the address line text always fits the layout line width.

If you require your address layout to be AFNOR-compliant, this setting must be set to **Yes**. For more information see “AFNOR Standard Formatting” on page 7.

This setting should be in the same section in your qawserve.ini file as the AFNOR-compliant layout.

FRXSpecialAbbreviations32={Yes/No}

Default:

No

Purpose:

This setting determines whether addresses should be output using an older, 32-character version of the AFNOR standard. This AFNOR standard includes a more comprehensive list of abbreviations than the 38-character standard; for example 'Rue' can be abbreviated to 'R'.

If you require your address layout to use the 32-character AFNOR standard, this setting must be set to **Yes**. You should also use the AFNOR-32 Street element (S12) in your output layout instead of the usual Street element (S11). For more information see "AFNOR Standard Formatting" on page 7.

This setting should be in the same section in your qawserve.ini file as the AFNOR-compliant layout.

Additionally, the 32-character AFNOR standard specifies that there should be no space between the premises and premises suffix (unlike the 38-character standard). To adhere to the 32-character standard you must add the following element separator settings to the same layout in your qawserve.ini file:

```
FRXSeparateElements=Yes
FRXElementSeparator={ } P12{^ } P22{^ }
```

With QuickAddress Batch



*If you are using Batch to clean your database against more than one dataset, DataPlus information **cannot** be configured.*

This section details the information relevant to using Batch with FRX data.

La Poste Match Categories

With Batch v4.7, if you are cleaning your database against the FRX dataset only, La Poste's Match Categories are used instead of the usual Batch Match Types. The categories are as follows:

- **Address already correct** (Verified match)

The address is correct as supplied; no changes were needed and all elements were supplied on the correct address lines. Verified matches will return a high match confidence (9).

- **Address corrected or modified** (Close match)

The address was matched with a high level of confidence, but some changes were made. For example, spellings may have been corrected, abbreviations may have been expanded, or text may have been moved to a different line of the address. Close matches will return a high match confidence (9).

- **Address to be checked** (Suggested match)

Batch matched the address, but cannot be certain that the returned address is the correct one. The returned address requires manual checking by the user. Suggested matches will return a medium match confidence (5).







- **No match** (No match)

No address could be returned at all. Unmatched addresses will return a low match confidence (0).

In Batch Standalone, the La Poste categories are also used in the Overview and Cleaning Summary Reports, and are available as Match Types in the Filter Manager.

Match Result Icons

With Batch Standalone v4.7, if you are cleaning your database against the FRX dataset only, the match result icons displayed in the Viewer and in Interactive cleaning mode are based on the La Poste match categories, as follows:

Icon	Match Result	Explanation
	Verified or Close	This blue icon means that the address was already correct or the address was corrected or modified.
	Interactively Accepted	This blue icon indicates that the correct match was found during Interactive cleaning.
	Suggested	This red icon means that the returned address is to be checked.
	No match	This red icon means that no address could be returned at all.
	Interactively Rejected	This red icon means that this address was rejected during Interactive cleaning.
	Custom types	This icon represents a custom match, which can be numbered from 1-4. See the Batch Help for further information.

Advanced Options

There are FRX-specific options which can be used in Batch. These can be found on their own tab in the Advanced Options dialog. The options are as follows:

- AFNOR Standard Formatting

Use this checkbox to apply the 38-character AFNOR standard (see “AFNOR Standard Formatting” on page 7).

- 32-Character AFNOR Formatting

Use this checkbox to apply the older 32-character AFNOR formatting. You must have the first checkbox selected to use this option.

- Downgrade if line 1 empty

The AFNOR Standard limits matches to no higher than the "To be checked" category ("Suggested" matches) if a recipient or company name is not provided in the input address. To override this requirement and allow addresses without a recipient or company name to return high confidence matches, deselect this checkbox.



For information on using these AFNOR options in a Batch API integration, see “Configuration Settings” on page 30.

If you select AFNOR standard formatting for your output addresses it will have the following effects:

- Your input address fields will be verified when you click **Next** on the **Select Input Fields** dialog. If your input fields do not include either Company or AFNOR line 1, as well as AFNOR line 2 and AFNOR line 3 elements, a warning message will be displayed.
- The number of output address fields configured will be verified when you click **Next** on the **Select Output Fields** dialog. If the number of output fields configured does not conform to the AFNOR standard, a warning message will be displayed. In addition, if you are using the 38 character standard, the line width will also be verified.

- Your output address fields will be automatically populated to match the AFNOR standard default layout. If you click the **Formatting** button in the **Output Layout Selection** dialog to make changes to this layout, a warning message will be displayed, stating that your addresses will not conform to the AFNOR standard if changes are made.
- Batch will verify that the output layout is AFNOR-compliant when configuration is complete. If this is not the case, a warning message will be displayed.

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 FRX data, and the address elements Batch will expect for each. The field types are available from the **Select** drop-down menu in the Select Input Fields dialog of the Batch Configuration Wizard.

Item	Field Contains
Company	Company name
AFNOR line 1	Unmatched retained address information. See “AFNOR Standard Formatting” on page 7 for more information about these items.
AFNOR line 2	
AFNOR line 3	
Street line/PO box	Premises, street or PO box types
Street line	Street, premises
Premises only	Premises
PO Box	PO Box types
Postcode/Place	Additional geographic data, postal code, locality, town or département
Postcode	Postal code
Country	Country name or ISO code

If your input field contains more than one address element, you can specify these from the **Advanced** sub-menu. For example, you can specify that the Town and Postcode elements are stored in the same field in your input database. The dataset-specific input field types available for FRX data are:

Item	Field Contains
Company name	Company name
Department	Department
Number	Premises number
Number extension	Premises number extension
Street	Street
PO Box	PO box types
Locality	Locality
Postcode	Postal code
Département	Département (province)
Town	Town
Country	Country name or ISO code



The FRX dataset contains some organisation data. If you specify that an input field contains the Company name, then exact or tentative matches to an organisation name in the FRX data will cause the correct name from the PAF file to be returned in the output address. Otherwise, the contents of the input field will be retained exactly as entered by the user.

Dataset-Specific Information Bits

FRX-Specific Information Bits

When using FRX-specific data, a selection of dataset information bits can be returned.

- For Standalone users, FRX-specific information bits are returned as the first 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 *rlCountryInfo1*, and from the function **QABatchWV_Clean** in the parameter *rsReturnCode* from the 13th to 20th characters. Refer to the QuickAddress Batch manual for further information about these functions.

The following FRX-specific information bits can be returned:

Information Bit	Description
0x10000000	The address was deemed to be correct as supplied. All address elements were supplied on the correct lines, and in the correct format.
0x20000000	The address was matched with a high degree of confidence, but some corrections were made. For example, spelling or formatting may have been corrected, or missing address elements may have been added.
0x40000000	A match was found, but Batch cannot be certain that the returned address is the correct one. For example, the returned address may be very different from the input, important address elements may have been changed, or other equally good matches may exist in the data. The match has been downgraded to intermediate confidence, and the user should check the returned address manually.
0x80000000	As well as the returned address, Batch found one or more alternative addresses of similar quality. For example, the supplied street does not exist but there are two very similar streets to choose from. When this situation arises, the information bit 40000000 is also set.
0x01000000	The returned address is in a format that conforms to the AFNOR standard. This specifies which address line should be used for each address element, the maximum length of each line, and the abbreviations that should be used.
0x00000001	A premises number was supplied for the primary street, but was not matched in the data. This has been returned as part of the address.

Information Bit	Description
0x00000002	A premises suffix was supplied for the primary street, but was not matched in the data. This has been returned as part of the address.
0x00000010	A primary street name was supplied, but was not matched in the data. This has been returned as part of the address.
0x00000020	A locality name was supplied, but was not matched in the data. This has been returned as part of the address.
0x00000040	A PO Box number was supplied for the primary street, but was not matched in the data. This has been returned as part of the address.
0x00000080	An organisation name was supplied for the primary street, but was not matched in the data. This has been returned as part of the address.
0x00000100	A premises number was supplied for the secondary street, but was not matched in the data. This has been returned as part of the address.
0x00000200	A premises suffix was supplied for the secondary street, but was not matched in the data. This has been returned as part of the address.
0x00001000	A secondary street name was supplied, but was not matched in the data. This has been returned as part of the address.

Search Examples: Batch Interactive

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

Configuration Settings

These settings are for use with QuickAddress Batch API. To use these settings, enter them into your qaworld.ini file.

SpecialAbbreviations={Yes/No}

Default:

Yes

Purpose:

This setting determines whether abbreviations should be applied to ensure the address line text always fits the layout line width.

If you require your address layout to be AFNOR-compliant, this setting must be set to **Yes**. For more information see “AFNOR Standard Formatting” on page 7.

This setting should be in the same section in your qaworld.ini file as the AFNOR-compliant layout.

SpecialAbbreviations32={Yes/No}

Default:

No

Purpose:

This setting determines whether addresses should be output using an older, 32-character version of the AFNOR standard. This AFNOR standard includes a more comprehensive list of abbreviations than the 38-character standard; for example ‘Rue’ can be abbreviated to ‘R’.

If you require your address layout to use the 32-character AFNOR standard, this setting must be set to **Yes**. You should also use the AFNOR-32 Street element (S12) in your output layout instead of the usual Street element (S11). For more information see “AFNOR Standard Formatting” on page 7.

This setting should be in the same section in your qawserve.ini file as the AFNOR-compliant layout.

Additionally, the 32-character AFNOR standard specifies that there should be no space between the premises and premises suffix (unlike the 38-character standard). To adhere to the 32-character standard you must add the following element separator settings to the same layout in your qawserve.ini file:

```
SeparateElements=Yes  
ElementSeparator={ } P12{^ } P22{^ }
```

In Batch Standalone, these lines are automatically added if you select the **32-Character AFNOR Formatting** checkbox (see “Advanced Options” on page 26). You can choose not to use this separator by deselecting the **Separate address elements?** option in the Format Options dialog. For more information about this dialog, refer to the QuickAddress Batch online help.



In Batch, the AFNOR-compliant information bit (0x01000000) will only be set if the returned address conforms to the 38-character AFNOR standard. It will not be set if the 32-character AFNOR layout is in use.

DowngradeBlankLine={True/False}

Default:

True

Purpose:

The AFNOR Standard limits matches to no higher than the "To be checked" category ("Suggested" matches) if a recipient or company name is not provided in the input address. To override this requirement and allow addresses without a recipient or company name to return high confidence matches, this setting must be set to **False**.

This setting should be in the same section in your qaworld.ini file as the AFNOR-compliant layout.