
Data Guide

The Netherlands

QAS Ltd.

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Introduction

The Netherlands Address Data Information

Dataset Code:	NLD
Approximate Data Size:	52MB
Data Source:	All data, extracts and updates © Koninklijke TPG Post and Cendris 2005.
Update Frequency:	Quarterly The quarterly data release dates are: <ul style="list-style-type: none">• March• June• September• December
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.

About This Data

This chapter provides detailed information about the NLD dataset.

Area Covered

The NLD dataset covers all postal addresses within the Netherlands, including Postbus (PO Box) addresses.

Address Elements

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

Address Element	Example	Input/Output Element Code
Postbus	Postbus 110	B11
House number	8	P11
NEN street	Burg v Wijngaardenstr	S11
TPG street	V Wyngaardenstr	S12
Official street	Burgemeester van Wijngaardenstraat	S13
NEN town/city	Amsterdam	L21
TPG town/city	Amsterdam	L22
Unofficial town/city**	Amsterdam Noord	L23
Province *	Noord Holland	L11
Postal code	1045 AD	C11

Address Element	Example	Input/Output Element Code
Country name*	The Netherlands	X11
Three character ISO country code*	NLD	X12
Two character ISO country code*	NL	X13

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

** Elements that are only used in searching and will not appear in the address.

Address Element Definitions

Abbreviations

No options to abbreviate elements of the returned address are provided. The street type is usually part of the street name. However, the multiple forms of street and town/city names (see “Forms of Address” on page 5) provide support for abbreviations in these address elements.

Postal code Structure

The Netherlands postal codes take the form ‘NNNN AA’ where ‘N’ represents a number and ‘A’ represents a letter. The numeric component represents the district, and the two letters represent the postal code area. For example:

1024 TX

A postal code may contain many streets, but for built-up streets the combination of house number and postal code is unique. If a street does not contain any buildings the postal code comprises of only four digits.

Forms of Address



Forms of address are referred to as Country Views in QuickAddress Pro version 6 and earlier.

There are three Forms of address stored in the Netherlands data files:

Form of address	Information Source
1 Official	Local Authority
2 NEN	Interior Ministry
3 TPG	TPG Post

The Form of address determines which address elements are used in the returned address. For the Netherlands dataset, the street and town/city address elements vary according to the Form of address selected, as shown in the following table.

Form of address	Street element used	Town/City element used
Official	Official	NEN
NEN	NEN	NEN
TPG	TPG	TPG

The Netherlands Forms of address also differ in how the street and town/city elements are displayed, and in the appearance of the diacritic character 'IJ', as detailed in the following table.

Form of address	Street element	Town/City element	'IJ'
Official	maximum of 43 characters in title case	maximum of 24 characters in upper case	written as IJ
NEN	maximum of 24 characters in title case	maximum of 24 characters in upper case	written as IJ
TPG	maximum of 17 letters in upper case	maximum of 18 letters in upper case	written as Y

Instructions on how to change the Form of address in QuickAddress products are provided in the chapter "Using This Data" from page 9.

Default Address Format

The default Netherlands address format is the same for all Forms of address. It contains two or three lines:

Company
 Delivery line
 Final line

The final address line consists of the postal code and the town/city name (in capitals), separated by two spaces.

The delivery line consists of either the postbus number, or the street and house number. If the premises information contains a house number extension, this is displayed after the house number. The house number and the house number extension should be separated by a hyphen. For example:

Daarleseweg 12-B

If the address contains company information, this is displayed on the first line.

The example below shows a returned address in the default address layout:

Daarleseweg 12-B
 7683 RE DEN HAM OV

About DataPlus Information

You can configure your QAS products to use the DataPlus sets that are available for NLD data. Please 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 NLD address data.

DataPlus Sets for NLD Address Data

The following DataPlus sets are available with NLD Address Data:

- TPG KIX Barcode DataPlus
- MOSAIC DataPlus

TPG KIX Barcode

Identifier:NLDBAR

This DataPlus set returns barcodes to an underlying application. The barcode is a compact representation of the address.

Element	Code	Description
TPG KIX Barcode	TPGKIXBar	Barcode sequence (hexadecimal).

To display barcodes correctly, the Customer Barcode font is required. The font (custcode_.ttf) is supplied with QAS products.



The Customer Barcode font is compatible with Windows only. If you are using a different platform, the barcode will be displayed as a string of digits.

MOSAIC

Identifier:NLDMOS

The NLDMOS DataPlus set returns Experian's MOSAIC demographic data for The Netherlands.

Element	Code	Description
MOSAIC Type Code	TypeCode	MOSAIC Type code
MOSAIC Type Name	TypeName	MOSAIC Type name
MOSAIC Dutch Type Name	DutchTypeName	MOSAIC Dutch Type name
MOSAIC Group Code	GroupCode	MOSAIC Group code
MOSAIC Group Name	GroupName	MOSAIC Group name
MOSAIC Dutch Group Name	DutchGroupName	MOSAIC Dutch Group name

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

Forms of Address



Forms of address are referred to as Country Views in QuickAddress Pro version 6 and earlier.

The Netherlands dataset contains several Forms of address, as described on page 5. The default layout will return addresses in the default Form of address. If you want to return addresses in a different Form you must set up additional address layouts. You can either use the Configuration Editor or manually edit the configuration files.

Using the Configuration Editor

You can add a new layout in the Configuration Editor with the following steps:

- 1) In the Configuration Editor Layout Manager, double-click on **The Netherlands**. This expands the list of layouts that are set up.
- 2) Click on the **New layout** button on the toolbar. Alternatively, from the **Layout** menu, click **New**, or right-click **The Netherlands** and choose **New** from the menu.

A dialog opens listing the available Forms of address.

- 3) Select the Form of address you want to use and click **OK**. The new layout is added to the bottom of the layout list.
- 4) Rename the new layout. For example, if you added a layout based on the TPG Form, you might rename the layout "Post Office". You can rename the layout at any time by right-clicking it in the list, and selecting **Rename** from the menu.
- 5) You can assign a hotkey for the new layout. When Pro is minimised, using a layout-specific hotkey will pop up the program and automatically select that layout.

To assign a hotkey, click on the **Hotkey** field in the **Layout Properties** pane and press the keys you want to assign. For example, if you have added a TPG layout, click in the **Hotkey** field and press **CTRL + P**. When Pro is minimised, this hotkey pops up Pro in the your TPG layout.



*It is recommended that you choose a hotkey not already in use by Pro (see the "Available Keystrokes" topic in the Pro Help). You should also avoid common hotkeys, for example, **CTRL + A**, which in many Windows applications means "Select All".*

For more information about hotkeys, see the Configuration Editor Help.

- 6) Save the changes you have made in Configuration Editor by clicking the **Save** button in the toolbar, or clicking **Save** from the **File** menu, or pressing **CTRL + S**.
- 7) Close the Configuration Editor. The changes you have made will not take effect until you have closed and restarted Pro.

You can change the current layout in Pro Plug & Go by clicking **Select Layout...** from the **View** menu or pressing **CTRL + L**. The **Select Layout** dialog opens. Choose the required layout from the list.

You can change the layout at any stage of your search. To view a returned address in a different layout, simply click **Select Layout...** from the **View** menu, or press **CTRL + L**, and click the layout.



*If you drag the **Select Layout** dialog to the side of Pro, you can preview the changes in the final returned address as you browse different layouts.*

Editing the Configuration Files

To manually set up an output address layout in your Pro configuration files you will need to use the CDFVariation keyword with the number of the Form of address as listed in the table on page 5. For example, to set a Netherlands datamapping with the identifier NLD to use the NEN Form you would add the following setting to your layout:

```
NLDCDFVariation=2
```

For more information see the configuration section of your product documentation.

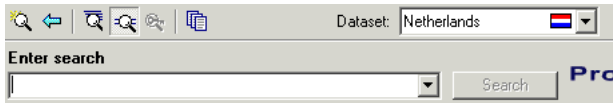
Search Examples: Typedown

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

- Full address known
- Postal code not known
- PO Box number known.

Search type	Example
Full address known	<ol style="list-style-type: none"> 1) Enter the postal code, 4043, and press Enter. 2) Enter the first three letters of the street name, ace, and Enter. In this example, ace is enough to uniquely identify Acerstraat. 3) Enter the premises number, 12, and press Enter. 4) The correct address is returned: Acerstraat 12 4043 NX OPHEUSDEN
Postal code not known	<ol style="list-style-type: none"> 1) Enter the location, bourtange, and press Enter. 2) Enter the first two letters of the street name, pi, and press Enter. In this example, pi is enough to uniquely identify Piketlaan. 3) Enter the premises number, 3, and press Enter. 4) The correct address is returned: Piketlaan 3 9545 TL BOURTANGE
PO box number known	<ol style="list-style-type: none"> 1) Enter the postal code or location, in this example aalden, and press Enter. 2) Enter postbus and press Enter. 3) Enter the PO Box number, 12, and press Enter. 4) The correct address is returned: Postbus 12 7854 ZG AALDEN

Search Examples: Single Line



Dataset: Netherlands

Enter search

Search Pro

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)

Search type	Explanation
Full address known	Enter the street and premises number followed by the postal code: bisonstraat 5,3089 The correct address is returned: Bisonstraat 5 3089 RB ROTTERDAM
Postal code not known	If the postal code is not known, enter the street name and premises number followed by the locality: poterstraat 4,horn The correct address is returned: Poterstraat 4 6085 EW HORN
Only street name known	If only the street name is known, entering it will return a picklist from which the correct one can be selected. Enter Hoofdstraat to view a list of every street of that name in the country.

Search type	Explanation
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 god?acker 42,franeke and the correct address is returned:</p> <p style="padding-left: 40px;">Godsacker 42 8801 LN FRANEKER</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 tranaat 5,5629 will still return the correct address:</p> <p style="padding-left: 40px;">Granaat 5 5629 HH EINDHOVEN</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 langestraat,am* will display a picklist of streets called langestraat in all places beginning "Am...".</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. See below for a list of search constraints.</p> <p>Searching on groot*@t tells Pro to display a picklist of towns beginning "Groot...".</p>

Search Constraints

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

Constraint	Elements Restricted to	Example
@S	Street	daar*@s
@T/@W	Town/city	raam*@t
@X	Postal code	1*@x,

With QuickAddress Pro Web

The Netherlands dataset contains several Forms of address, as described on page 5. Pro Web integrations can be configured to use address elements relating to any Form of address. Refer to your Pro Web documentation for configuration instructions.

Details of how Forms of address can be configured are provided on page 9.

Scenarios

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

Scenario	Search engine	For search examples, see:
Address Capture on the Intranet	Single Line hierarchical	Single Line search examples on page 13.
Address Capture on the Web	Single Line flattened	Single Line search examples on page 13.
Address Verification on the Web	Verification	Verification search examples on page 16.
Address Capture	Single Line flattened	Single Line search examples on page 13.
Address Verification	Verification	Verification search examples on page 16.
Single Line	Single Line hierarchical	Single Line search examples on page 13.
Standard	Typedown Single Line hierarchical	Typedown examples on page 12. Single Line search examples on page 13.
ActiveX Control	Typedown Single Line hierarchical	Typedown examples on page 12. Single Line search examples on page 13.

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	Koepoortstraat 25 4543 AR ZAAMSLAG This search brings back a verified address with the verify level of "Verified".
None	Missing Street Unknown Town This search brings back a verify level of "None" as the address does not exist in the data.
StreetPartial	Aeluwelaan 8861 VA HARLINGEN This search brings back a verify level of "StreetPartial" as the search did not define a property number for the street location "Aeluwelaan".
InteractionRequired	Duizeleg 15 5521 AA EERSEL 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. Duizelseweg 15 5521 AA EERSEL

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

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 Netherlands address data.

Forms of Address

In *Batch Standalone*, the default Form of address is selected for your output layout. If you want to use a different Form of address you must 'fix' the relevant elements to your output layout during session configuration. Elements relating to other Forms are found in the **Additional** submenu of the **Fix Element** dropdown list on the **Set Output Layout** screen. For more information about fixing elements to your layout, see the *Batch* documentation.

Batch API integrations can be configured to use address elements relating to any Form of address. Refer to your product documentation for address layout configuration instructions.

Country-Specific Input Fields

When configuring a *Batch* session, it is possible to attach a country-specific item to an input field. This can speed up the cleaning process as *Batch* does not have to work out which address element is contained within a field. The country-specific items that can be attached to an input field are shown in the following tables:

Item	Field Contains
Organisation	Organisation
Street line/Postbus	NEN/TPG/Official street, House number, Postbus
Street line	NEN/TPG/Official street
Premises only	House number

Item	Field Contains
Postbus	Postbus
Postcode/Place	Postal code, NEN/TPG/Unofficial town/city, Province
Postcode	Postal code
Place	NEN/TPG/Unofficial town/city, Province
Country	Country/ISO code

Available Country-Specific Menu Items

The country-specific items available from the Advanced sub-menu are:

Item	Field Contains
Street	NEN/TPG/Official street
Premises	House number
Postbus	Postbus
Postcode	Postal code
Town/City	NEN/TPG/Unofficial town/city
Province	Province
Country	Country/ISO code

The address items on the Advanced sub-menu can be input in any combination. For example, it is possible to attach the Town/City and Postcode to the same field. This is not possible from the main Select Input Fields menu. For instructions on how to configure country-specific input fields, refer to the documentation that accompanies your copy of Batch.

Country-Specific Information Bits

NLD-Specific Information Bits

When using NLD data a selection of country-specific information bits can be returned.

- For Standalone users, NLD-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 table provides a full list of NLD-specific information bits that can be returned.

Information Bit	Description
01000000	The town has been added or altered.
02000000	Batch has found an NEN town/city match.
04000000	Batch has found a TPG town/city match.
08000000	Batch has found an unofficial town/city match.
00100000	The street name has been changed.
00200000	Batch has found an NEN street match.
00400000	Batch has found a TPG street match.
00800000	Batch has found an official street match.
00010000	The supplied house number/extension has been amended.

Search Examples: Batch Interactive

For information about the best methods for searching on Netherlands addresses using Batch Interactive please refer to Single Line search examples on page 13 and Typedown search examples on page 12.

