

Loqate, A GBG Solution

Release Notes – Reference Data & Knowledge Base

2022Q1.1 Minor Release

Case Resolutions

Please visit <https://support.loqate.com/2022q1-1-resolved-cases/> for a list of cases resolved in this release.

If you would like more details on any of the solved cases listed, please contact LoqateSupport@gbgplc.com for further information.

Certification Expiration Dates

If you have purchased either the CASS (USA) or AMAS (Australia) certified products, please be aware that the datasets have expiration dates set by the respective postal authorities. Please ensure that you have the latest library and data installed to avoid loss of service through these products.

	Loqate Release Date	Certification Expiry Date*
AMAS Data	2022-02-10	2022-06-30
CASS Data	2022-03-15	2022-06-28

Please check Install Manager for the latest versions of AMAS and CASS.

**Certification Expiry Date is different from Loqate license key expiry date. The earliest expiry date will apply.*

For more information on expiry date checking for CASS and AMAS, please refer “Usage expiration” section in <https://support.loqate.com/documentation/local-apis/cass-overview-2/> and <https://support.loqate.com/address-matching-approval-system-amas/>

Data Structure Changes

The below is a summary of the Countries where we have updated the reference data structure.

Country Rebuilds

Country	ISO2	Description
Kosovo	XK	Country Rebuild (New country introduced into Loqate)
Belgium	BE	Country Rebuild (New Source Addition)

Other major changes to highlight:

Country	Description
Mexico	Standardize Administrative Area to ISO 3166-2 three-letter acronym
ADMIN_ISO	Re-order displayed fields. Updated Germany and France Admin ISO.
Timezone	New Time zone Name

BPDH/PDH Countries

Kosovo

Country Information	Description	
ISO2	XK	
ISO3	XKV	
Address Format	Organization PostBox Building SubBuilding Thoroughfare Premise DependentThoroughfare DoubleDependentLocality DependentLocality PostalCode Locality	
PDH	YES	
PDH completed date	2022Q1.1	
New Source	YES	
	Pre-PDH	Post-PDH
Reference Data	-	rd_XK_ggg.lfs rd_XK_ggg_rg.lfs rd_XK_vfy_ai.lfs rd_XK_vfy.lfs

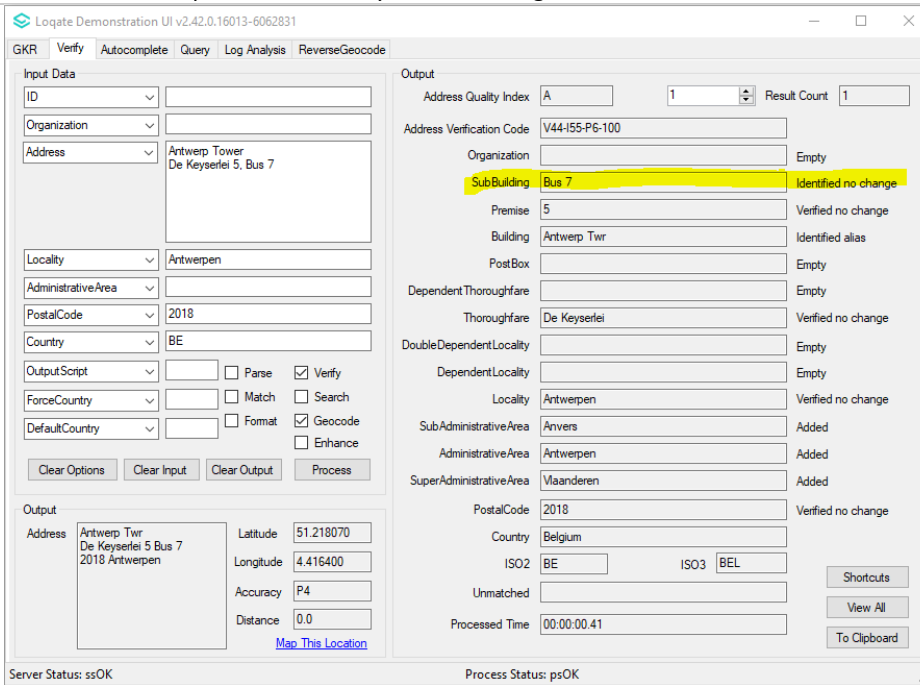
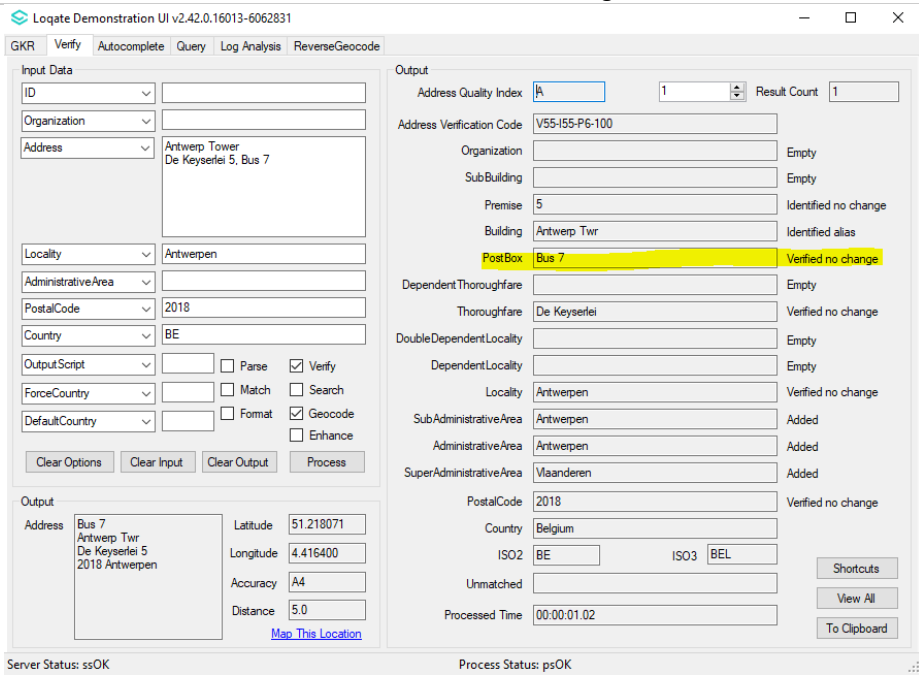
Belgium

Country Information	Description	
ISO2	BE	
ISO3	BEL	
Address Format	Organization PostBox Building Thoroughfare Premise SubBuilding DependentThoroughfare DoubleDependentLocality DependentLocality PostalCode Locality	

PDH	YES	
PDH completed date	2019Q4.0	
New Source	YES	
	Prior to New Data Source	Post New Data Source
Reference Data	rd_BE_vfy.lfs rd_BE_vfy_ai.lfs rd_BE_ggg.lfs rd_BE_ggg_r.lfs rd_BE_ggg_rg.lfs	rd_BE_vfy.lfs rd_BE_vfy_ai.lfs rd_BE_ggg.lfs rd_BE_ggg_r.lfs rd_BE_ggg_r1.lfs rd_BE_ggg_rg.lfs

In the 2022Q1.1 release, we added a new data source to the existing ones for Belgium, which provides PostBox and has a better Premise coverage.

Example of previous and new Belgium data handling PostBox input.

2022Q1.0	2022Q1.1
The PostBox was parsed incorrectly before adding the new data source.	The PostBox can be verified after new data source being added.
	
Some Premise were identified in the previous releases.	More premise now are verified after introducing the new data source.

Loqate Demonstration UI v2.42.0.16013-6062831

GKR

Verify

Autocomplete

Query

Log Analysis

ReverseGeocode

Input Data

ID

Organization

Address

Locality

AdministrativeArea

PostalCode

Country

OutputScript

ForceCountry

DefaultCountry

Havenweg 36

Beveren

9130

BE

Clear Options

Clear Input

Clear Output

Process

Output

Address

Latitude

Longitude

Accuracy

Distance

Havenweg 36

Doel

9130 Beveren

51.311511

4.264748

A3

160.6

Map This Location

Server Status: ssOK

Process Status: psOK

Address Quality Index

Address Verification Code

Organization

SubBuilding

Premise

Building

PostBox

DependentThoroughfare

Thoroughfare

DoubleDependentLocality

DependentLocality

Locality

SubAdministrativeArea

AdministrativeArea

SuperAdministrativeArea

PostalCode

Country

ISO2

ISO3

Unmatched

Processed Time

B

V33-I44-P6-100

36

Havenweg

Doel

Beveren

Saint-Nicolas

Oost-Vlaanderen

Vlaanderen

9130

Belgium

BE

BEL

00:00:00.39

Identified no change

Verified no change

Added

Verified no change

Added

Added

Added

Verified no change

Shortcuts

View All

To Clipboard

Loqate Demonstration UI v2.42.0.16013-6062831

GKR

Verify

Autocomplete

Query

Log Analysis

ReverseGeocode

Input Data

ID

Organization

Address

Locality

AdministrativeArea

PostalCode

Country

OutputScript

ForceCountry

DefaultCountry

Havenweg 36

Beveren

9130

BE

Clear Options

Clear Input

Clear Output

Process

Output

Address

Latitude

Longitude

Accuracy

Distance

Havenweg 36

Doel

9130 Beveren

51.311285

4.263284

P4

0.0

Map This Location

Server Status: ssOK

Process Status: psOK

Address Quality Index

Address Verification Code

Organization

SubBuilding

Premise

Building

PostBox

DependentThoroughfare

Thoroughfare

DoubleDependentLocality

DependentLocality

Locality

SubAdministrativeArea

AdministrativeArea

SuperAdministrativeArea

PostalCode

Country

ISO2

ISO3

Unmatched

Processed Time

A

V44-I44-P6-100

36

Havenweg

Doel

Beveren

Sint-Niklaas

Oost-Vlaanderen

Vlaanderen

9130

Belgium

BE

BEL

00:00:00.20

Verified no change

Verified no change

Added

Verified no change

Added

Added

Added

Verified no change

Shortcuts

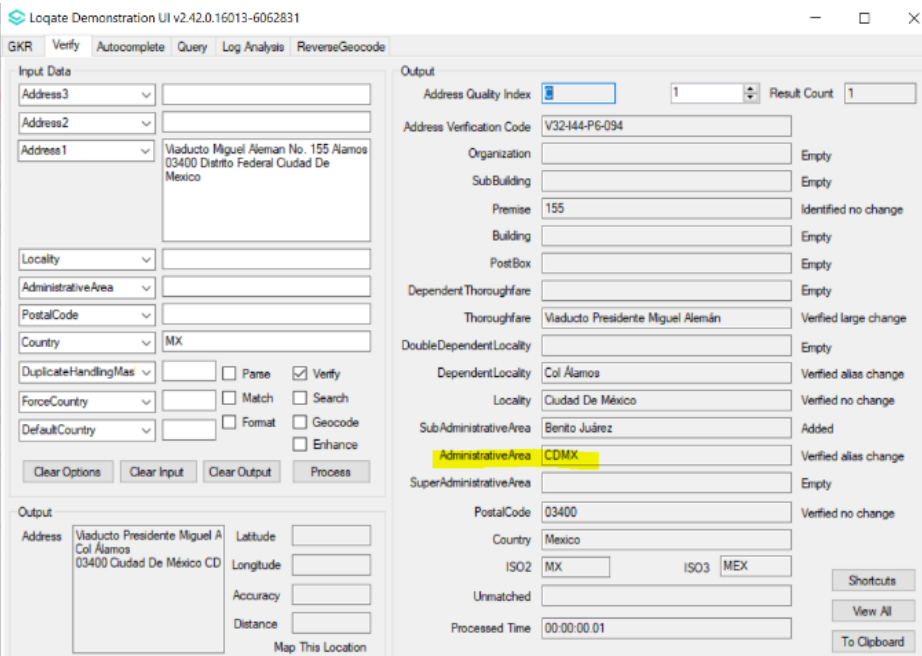
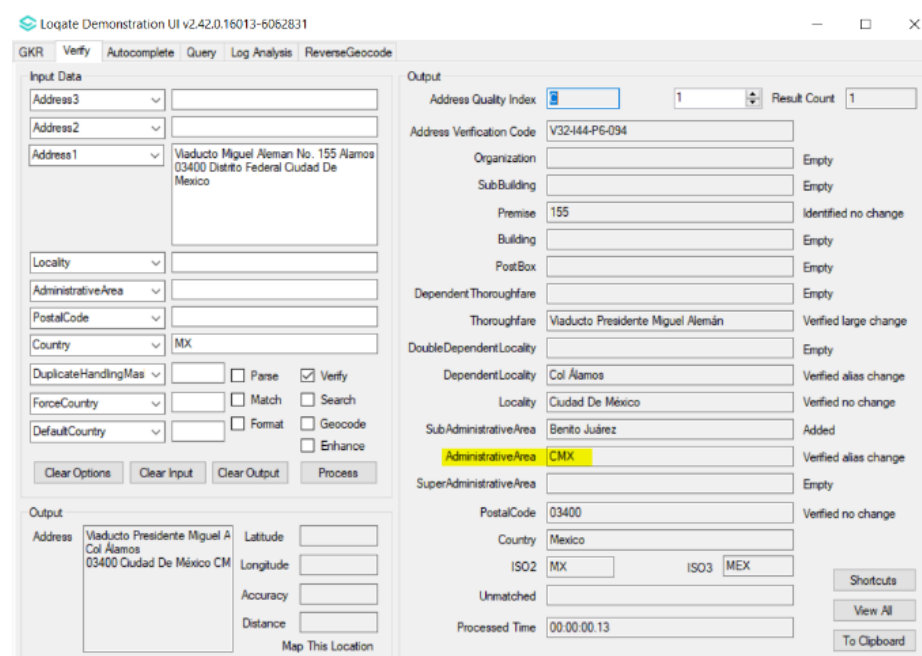
View All

To Clipboard

MAJOR HIGHLIGHTS

Mexico

The Administrative Area is standardized to ISO 3166-2 three-letter acronym.

2022Q1.0	2022Q1.1
Output Administrative Area is CDMX.  Loqate Demonstration UI v2.42.0.16013-6062831 GKR Verify Autocomplete Query Log Analysis ReverseGeocode Input Data Address3 Address2 Address1 Locality AdministrativeArea PostalCode Country DuplicateHandlingMas ForceCountry DefaultCountry Clear Options Clear Input Clear Output Process Output Address Latitude Longitude Accuracy Distance Map This Location Server Status: ssOK Process Status: psOK	Output Administrative Area is CMX.  Loqate Demonstration UI v2.42.0.16013-6062831 GKR Verify Autocomplete Query Log Analysis ReverseGeocode Input Data Address3 Address2 Address1 Locality AdministrativeArea PostalCode Country DuplicateHandlingMas ForceCountry DefaultCountry Clear Options Clear Input Clear Output Process Output Address Latitude Longitude Accuracy Distance Map This Location Server Status: ssOK Process Status: psOK

GBG Loqate, 3101 Park Blvd, Suite 01-105, Palo Alto, CA 94306-2233, USA

T (800) 313-3910 | E support@loqate.com | <http://www.loqate.com>

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Output Administrative Area is NL.

Loqate Demonstration UI v2.42.0.16013-6062831

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

Address3

Address2

Address1

Locality

AdministrativeArea

PostalCode

Country

DuplicateHandlingMas ☐ Parse ☒ Verify

ForceCountry ☐ Match ☐ Search

DefaultCountry ☐ Format ☐ Geocode ☐ Enhance

Clear Options Clear Input Clear Output Process

Output

Address Pleyades 211 Col Contry 64860 Monterrey NL

Latitude

Longitude

Accuracy

Distance

Map This Location

Server Status: ssOK

Process Status: psOK

Output

Address Quality Index 1 Result Count 1

Address Verification Code V44-144-P4-087

Organization Empty

SubBuilding Empty

Premise 211 Verified no change

Building Empty

PostBox Empty

DependentThoroughfare Empty

Thoroughfare Pleyades Verified no change

DoubleDependentLocality Empty

DependentLocality Col Contry Verified alias change

Locality Monterrey Verified no change

SubAdministrativeArea Monterrey Added

AdministrativeArea NL Verified alias change

SuperAdministrativeArea Empty

PostalCode 64860 Verified large change

Country Mexico

ISO2 MX ISO3 MEX

Unmatched

Processed Time 00:00:00.06

Shortcuts View All To Clipboard

Output Administrative Area is NLE.

Loqate Demonstration UI v2.42.0.16013-6062831

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

Address3

Address2

Address1

Locality

AdministrativeArea

PostalCode

Country

DuplicateHandlingMas ☐ Parse ☒ Verify

ForceCountry ☐ Match ☐ Search

DefaultCountry ☐ Format ☐ Geocode ☐ Enhance

Clear Options Clear Input Clear Output Process

Output

Address Pleyades 211 Col Contry 64860 Monterrey NLE

Latitude

Longitude

Accuracy

Distance

Map This Location

Server Status: ssOK

Process Status: psOK

Output

Address Quality Index 1 Result Count 1

Address Verification Code V44-144-P4-087

Organization Empty

SubBuilding Empty

Premise 211 Verified no change

Building Empty

PostBox Empty

DependentThoroughfare Empty

Thoroughfare Pleyades Verified no change

DoubleDependentLocality Empty

DependentLocality Col Contry Verified alias change

Locality Monterrey Verified no change

SubAdministrativeArea Monterrey Added

AdministrativeArea NLE Verified alias change

SuperAdministrativeArea Empty

PostalCode 64860 Verified large change

Country Mexico

ISO2 MX ISO3 MEX

Unmatched

Processed Time 00:00:00.05

Shortcuts View All To Clipboard

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T (800) 313-3910 | [E support@loqate.com](mailto:support@loqate.com) | <http://www.loqate.com>

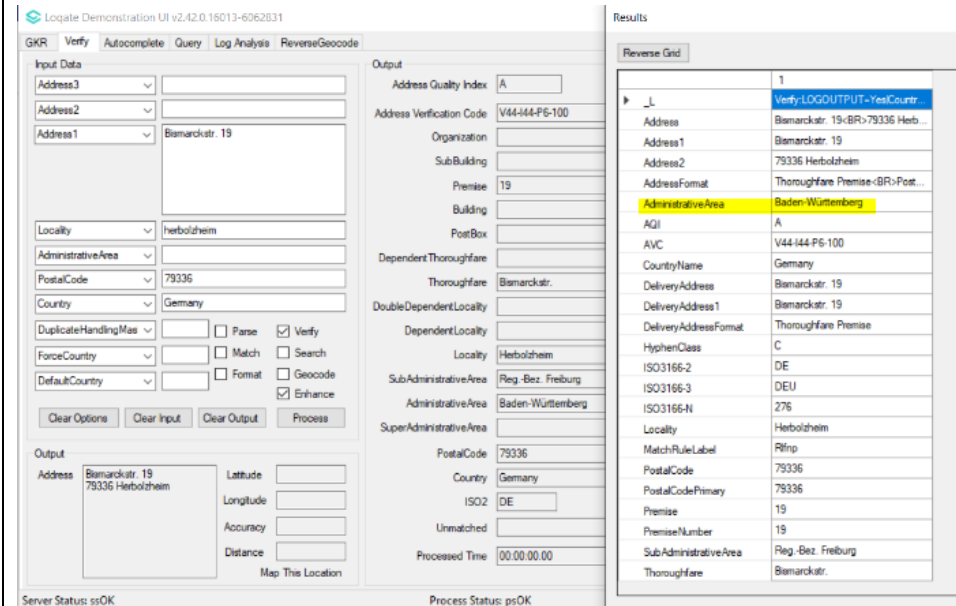
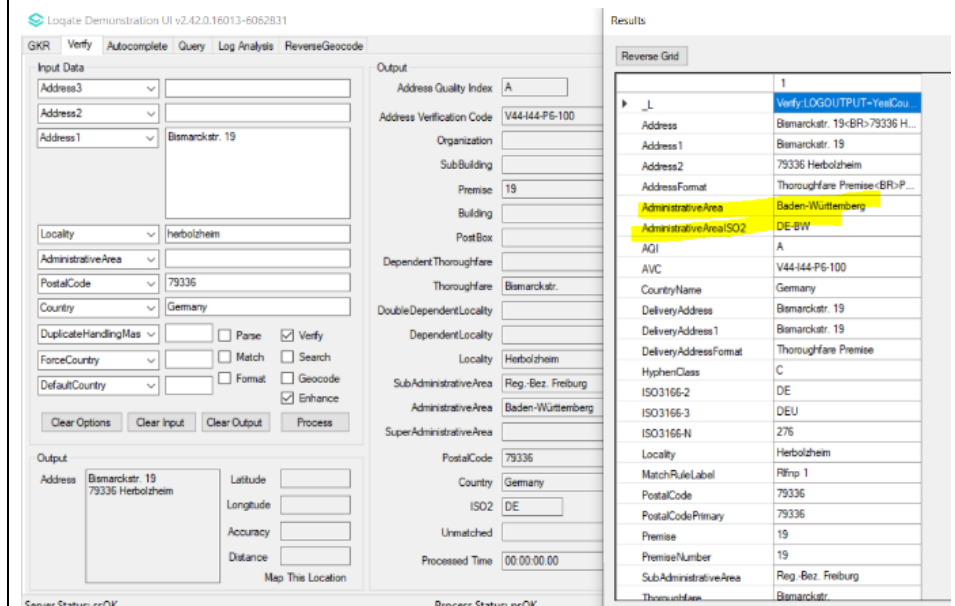
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Enhance Administrative ISO2 Dataset

Germany and France have had an Admin ISO updated in this release.

Example of the German ISO update below

2022Q1.0	2022Q1.1																																																																																																		
Baden-Württemberg has no AdministrativeArea ISO returned.  Input Data: Address3, Address2, Address1 (Bismarckstr. 19), Locality (herbolzheim), AdministrativeArea, PostalCode (79336), Country (Germany). Output: Address (Bismarckstr. 19 79336 Herbolzheim), Latitude, Longitude, Accuracy, Distance. Results Table: <table border="1"><thead><tr><th>Reverse Grd</th><th>1</th></tr></thead><tbody><tr><td>Address</td><td>Bismarckstr. 19
79336 Herb...</td></tr><tr><td>Address1</td><td>Bismarckstr. 19</td></tr><tr><td>Address2</td><td>79336 Herbolzheim</td></tr><tr><td>AddressFormat</td><td>Thoroughfare Premise
Post...</td></tr><tr><td>AdministrativeArea</td><td>Baden-Württemberg</td></tr><tr><td>AQI</td><td>A</td></tr><tr><td>AVC</td><td>V44-144-P6-100</td></tr><tr><td>CountryName</td><td>Germany</td></tr><tr><td>DeliveryAddress</td><td>Bismarckstr. 19</td></tr><tr><td>DeliveryAddress1</td><td>Bismarckstr. 19</td></tr><tr><td>DeliveryAddressFormat</td><td>Thoroughfare Premise</td></tr><tr><td>HyphenClass</td><td>C</td></tr><tr><td>ISO3166-2</td><td>DE</td></tr><tr><td>ISO3166-3</td><td>DEU</td></tr><tr><td>ISO3166-N</td><td>276</td></tr><tr><td>Locality</td><td>Herbolzheim</td></tr><tr><td>MatchRuleLabel</td><td>Rfnp</td></tr><tr><td>PostalCode</td><td>79336</td></tr><tr><td>PostalCodePrimary</td><td>79336</td></tr><tr><td>Premise</td><td>19</td></tr><tr><td>PremiseNumber</td><td>19</td></tr><tr><td>SubAdministrativeArea</td><td>Reg.-Bez. Freiburg</td></tr><tr><td>Thoroughfare</td><td>Bismarckstr.</td></tr></tbody></table>	Reverse Grd	1	Address	Bismarckstr. 19 79336 Herb...	Address1	Bismarckstr. 19	Address2	79336 Herbolzheim	AddressFormat	Thoroughfare Premise Post...	AdministrativeArea	Baden-Württemberg	AQI	A	AVC	V44-144-P6-100	CountryName	Germany	DeliveryAddress	Bismarckstr. 19	DeliveryAddress1	Bismarckstr. 19	DeliveryAddressFormat	Thoroughfare Premise	HyphenClass	C	ISO3166-2	DE	ISO3166-3	DEU	ISO3166-N	276	Locality	Herbolzheim	MatchRuleLabel	Rfnp	PostalCode	79336	PostalCodePrimary	79336	Premise	19	PremiseNumber	19	SubAdministrativeArea	Reg.-Bez. Freiburg	Thoroughfare	Bismarckstr.	Baden-Württemberg has AdministrativeArea ISO returned.  Input Data: Address3, Address2, Address1 (Bismarckstr. 19), Locality (herbolzheim), AdministrativeArea, PostalCode (79336), Country (Germany). Output: Address (Bismarckstr. 19 79336 Herbolzheim), Latitude, Longitude, Accuracy, Distance. Results Table: <table border="1"><thead><tr><th>Reverse Grd</th><th>1</th></tr></thead><tbody><tr><td>Address</td><td>Bismarckstr. 19
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Address1	Bismarckstr. 19																																																																																																		
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Enhance Time Zone Dataset

Previously support TimeZone_DTC & TimeZone_UTC only.

NEW field - TimeZone_Name is supported and displayed from 2022Q1.1 onwards.

2022Q1.0

Support TimeZone_DTC & TimeZone_UTC only

2022Q1.1

Support new field – TimeZone_Name

2022Q1.1 Data related Case Fixes

Case Number	Change Description	Category	Country	Example Address
CAS-61061-W3R6K4	Administrative Area acronym standardized to ISO3166-2 in seed	Data	MEX	N/A
Before Behaviour			After Behaviour	
AdministrativeArea 2334664	Chiapas<S=LATN,L=ES> @CHIS \$CHA	AdministrativeArea 2334664 Chiapas<S=LATN><L=ES> @CHP \$CHA \$CHIS		
AdministrativeArea 1915201	México<S=LATX,L=ES> -Mexico @MÉX \$Meksiko \$Edomex	AdministrativeArea 1915201 México<S=LATN><L=ES> -Mexico @MEX \$MÉX \$Meksiko \$Edomex		
AdministrativeArea 2153184	Nuevo León<S=LATX,L=ES> -Nuevo Leon @NL	AdministrativeArea 2153184 Nuevo León<S=LATN><L=ES> -Nuevo Leon @NLE \$NL		

Case Number	Change Description	Category	Country	Example Address
CAS-09261-C3C3F6	Verify Dependent Locality	Data	USA	Address1: 150 Ave Pedro Albizu Campos Address1: Repto Lopez Locality: Aguadilla AdministrativeArea: PR Postalcode: 603 Country: USA

Before Image/Behaviour	After Image/Behaviour
Loqate Demonstration UI v2.40.1.15683-927cda5 GKRVerifyAutocompleteQueryLog AnalysisReverseGeocode Input Data Address3 Address2 Address1150 Ave Pedro Albizu Campos Repto Lopez LocalityAguadilla AdministrativeAreaPR PostalCode603 CountryUnited States of America PreferPrimaryValidAlias☐ Parse☒ Verify OutputCasing☐ Match☐ Search reCheckOptions☐ Format☐ Geocode☐ Enhance Clear OptionsClear InputClear OutputProcess Output Address150 Ave Pedro Albizu Campo Repto Lopez Aguadilla PR 00603-5714 Latitude Longitude Accuracy Distance Map This Location Output Address Quality IndexC1Result Count1 Address Verification CodeV44-144-P4-092 OrganizationEmpty SubBuildingEmpty Premise150Verified no change BuildingEmpty PostBoxEmpty DependentThoroughfareEmpty ThoroughfareAve Pedro Albizu CamposVerified no change DoubleDependentLocalityEmpty DependentLocalityRepto LopezIdentified no change LocalityAguadillaVerified no change SubAdministrativeAreaAguadillaAdded AdministrativeAreaPRVerified no change SuperAdministrativeAreaEmpty PostalCode00603-5714Verified large change CountryUnited States ISO2USISO3USA Unmatched Processed Time00:00:00.00 ShortcutsView AllTo Clipboard Server Status: ssOKProcess Status: psOK	Loqate Demonstration UI v2.40.1.15683-927cda5 GKRVerifyAutocompleteQueryLog AnalysisReverseGeocode Input Data Address3 Address2 Address1150 Ave Pedro Albizu Campos Repto Lopez LocalityAguadilla AdministrativeAreaPR PostalCode603 CountryUnited States of America PreferPrimaryValidAlias☐ Parse☒ Verify OutputCasing☐ Match☐ Search reCheckOptions☐ Format☐ Geocode☐ Enhance Clear OptionsClear InputClear OutputProcess Output Address150 Ave Pedro Albizu Campo Repto Lopez Aguadilla PR 00603-5726 Latitude Longitude Accuracy Distance Map This Location Output Address Quality IndexC1Result Count1 Address Verification CodeV44-144-P4-093 OrganizationEmpty SubBuildingEmpty Premise150Verified no change BuildingEmpty PostBoxEmpty DependentThoroughfareEmpty ThoroughfareAve Pedro Albizu CamposVerified no change DoubleDependentLocalityEmpty DependentLocalityRepto LopezVerified no change LocalityAguadillaVerified no change SubAdministrativeAreaAguadillaAdded AdministrativeAreaPRVerified no change SuperAdministrativeAreaEmpty PostalCode00603-5726Verified large change CountryUnited States ISO2USISO3USA Unmatched Processed Time00:00:00.46 ShortcutsView AllTo Clipboard Server Status: ssOKProcess Status: psOK

Case Number	Change Description	Category	Country	Example Address
CAS-38495-P6V6W6	Improve Geo accuracy and thoroughfare output	Data	Ireland	Address1: 8 Glengariff Parade Locality: Dublin AdministrativeArea: Co Dublin PostalCode: 7 Country: IE Address1: 10 Lower Abbey Street Locality: Dublin AdministrativeArea: Co Dublin PostalCode: 1 Country: IE Address1: 98 Lower Baggot Street Locality: Dublin AdministrativeArea: Co Dublin PostalCode: 2 Country: IE Address1: 12 Lr Ormond Quay Locality: Dublin AdministrativeArea: Co Dublin PostalCode: 1 Country: IE

Before Image/Behaviour

Loqate Demonstration UI v2.42.0.16013-6062831

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

Address3

Address2

Address1

Locality

AdministrativeArea

PostalCode

Country

CombinedVerifyMethod ☐ Parse ☒ Verify

PreferPrimaryValidAlias ☐ Match ☐ Search

MaxMatchRuleCandidi ☐ Format ☒ Geocode

☐ Enhance

Clear Options Clear Input Clear Output Process

Output

Address 8 Glengariff Parade Dublin 7

Latitude 53.362128

Longitude -6.295131

Accuracy **A2**

Distance 4614.4

[Map This Location](#)

Server Status: ssOK

Process Status: psOK

Output

Address Quality Index 1 Result Count 1

Address Verification Code **P22-I24-P0-070**

Organization

SubBuilding

Premise 8 Identified no change

Building

PostBox

DependentThoroughfare

Thoroughfare Glengariff Parade Identified context

DoubleDependentLocality

DependentLocality Dublin 7 Identified no change

Locality Dublin Verified no change

Sub-AdministrativeArea

AdministrativeArea Co. Dublin Verified large change

SuperAdministrativeArea

PostalCode

Country Ireland

ISO2 IE ISO3 IRL

Unmatched

Processed Time 00:00:00.17

Shortcuts View All To Clipboard

After Image/Behaviour

Loqate Demonstration UI v2.42.0.16013-6062831

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

Address3

Address2

Address1

Locality

AdministrativeArea

PostalCode

Country

CombinedVerifyMethod ☐ Parse ☒ Verify

PreferPrimaryValidAlias ☐ Match ☐ Search

MaxMatchRuleCandidi ☐ Format ☒ Geocode

☐ Enhance

Clear Options Clear Input Clear Output Process

Output

Address 8 Glengariff Parade Dublin 7 D07 FK73

Latitude 53.360760

Longitude -6.266120

Accuracy **P4**

Distance 0.0

[Map This Location](#)

Server Status: ssOK

Process Status: psOK

Output

Address Quality Index 1 Result Count 1

Address Verification Code **V44-I44-P3-100**

Organization

SubBuilding

Premise 8 Verified no change

Building

PostBox

DependentThoroughfare

Thoroughfare Glengariff Parade Verified alias change

DoubleDependentLocality

DependentLocality Dublin 7 Verified no change

Locality Dublin Verified no change

Sub-AdministrativeArea

AdministrativeArea Co. Dublin Added

SuperAdministrativeArea

PostalCode D07 FK73 Added

Country Ireland

ISO2 IE ISO3 IRL

Unmatched Co

Processed Time 00:00:00.16

Shortcuts View All To Clipboard

Before

Loqate Demonstration UI v2.42.0.16013-6062831

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

Address3

Address2

Address1

Locality

AdministrativeArea

PostalCode

Country

CombinedVerifyMethod ☐ Parse ☒ Verify

PreferPrimaryValidAlias ☐ Match ☐ Search

MaxMatchRuleCandidi ☐ Format ☒ Geocode ☐ Enhance

Clear Options Clear Input Clear Output Process

Output

Address 10 Lower Abbey Street Latitude 53.351897

Dublin 1 Longitude -6.254988

Accuracy A2

Distance 3727.0

Map This Location

Server Status: ssOK Process Status: psOK

Address Quality Index 1 Result Count 1

Address Verification Code P22-144-P0-070

Organization Empty

SubBuilding Empty

Premise 10 Identified no change

Building Empty

PostBox Empty

DependentThoroughfare Empty

Thoroughfare Lower Abbey Street Identified no change

DoubleDependentLocality Empty

DependentLocality Dublin 1 Identified no change

Locality Dublin Verified no change

SubAdministrativeArea Empty

AdministrativeArea Co. Dublin Verified large change

SuperAdministrativeArea Empty

PostalCode Empty

Country Ireland

ISO2 IE ISO3 IRL

Unmatched

Processed Time 00:00:00.09

Shortcuts View All To Clipboard

After

Loqate Demonstration UI v2.42.0.16013-6062831

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

Address3

Address2

Address1

Locality

AdministrativeArea

PostalCode

Country

CombinedVerifyMethod ☐ Parse ☒ Verify

PreferPrimaryValidAlias ☐ Match ☐ Search

MaxMatchRuleCandidi ☐ Format ☒ Geocode ☐ Enhance

Clear Options Clear Input Clear Output Process

Output

Address 10 Abbey Street Lower Latitude 53.348850

Dublin 1 Longitude -6.257430

D01 V5Y2 Accuracy P4

Distance 0.0

Map This Location

Server Status: ssOK Process Status: psOK

Address Quality Index 1 Result Count 1

Address Verification Code V44-144-P3-100

Organization Empty

SubBuilding Empty

Premise 10 Verified no change

Building Empty

PostBox Empty

DependentThoroughfare Empty

Thoroughfare Abbey Street Lower Verified alias change

DoubleDependentLocality Empty

DependentLocality Dublin 1 Verified no change

Locality Dublin Verified no change

SubAdministrativeArea Empty

AdministrativeArea Co. Dublin Added

SuperAdministrativeArea Empty

PostalCode D01 V5Y2 Added

Country Ireland

ISO2 IE ISO3 IRL

Unmatched Co

Processed Time 00:00:00.06

Shortcuts View All To Clipboard

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Before

Loqate Demonstration UI v2.42.0.16013-6062831

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

Address3

Address2

Address1

Locality

AdministrativeArea

PostalCode

Country

CombinedVerifyMethod ☐ Parse ☒ Verify

PreferPrimaryValidAlias ☐ Match ☐ Search

MaxMatchRuleCandidi ☐ Format ☒ Geocode ☐ Enhance

Clear Options Clear Input Clear Output Process

Output

Address 98 Lower Baggot Street Latitude 53.340808

Dublin 2 Longitude -6.255889

Accuracy A2

Distance 2325.7

Map This Location

Server Status: ssOK

Process Status: psOK

Output

Address Quality Index 1 Result Count 1

Address Verification Code P22-144-P0-070

Organization Empty

SubBuilding Empty

Premise 98 Identified no change

Building Empty

PostBox Empty

DependentThoroughfare Empty

Thoroughfare Lower Baggot Street Identified no change

DoubleDependentLocality Empty

DependentLocality Dublin 2 Identified no change

Locality Dublin Verified no change

SubAdministrativeArea Empty

AdministrativeArea Co. Dublin Verified large change

SuperAdministrativeArea Empty

PostalCode Empty

Country Ireland

ISO2 IE ISO3 IRL

Unmatched

Processed Time 00:00:00.06

Shortcuts View All To Clipboard

After

Loqate Demonstration UI v2.42.0.16013-6062831

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

Address3

Address2

Address1

Locality

AdministrativeArea

PostalCode

Country

CombinedVerifyMethod ☐ Parse ☒ Verify

PreferPrimaryValidAlias ☐ Match ☐ Search

MaxMatchRuleCandidi ☐ Format ☒ Geocode ☐ Enhance

Clear Options Clear Input Clear Output Process

Output

Address 98 Baggot Street Lower Latitude 53.335640

Dublin 2 D02 AE24 Longitude -6.247720

Accuracy P4

Distance 0.0

Map This Location

Server Status: ssOK

Process Status: psOK

Output

Address Quality Index 1 Result Count 1

Address Verification Code V44-144-P3-100

Organization Empty

SubBuilding Empty

Premise 98 Verified no change

Building Empty

PostBox Empty

DependentThoroughfare Empty

Thoroughfare Baggot Street Lower Verified alias change

DoubleDependentLocality Empty

DependentLocality Dublin 2 Verified no change

Locality Dublin Verified no change

SubAdministrativeArea Empty

AdministrativeArea Co. Dublin Added

SuperAdministrativeArea Empty

PostalCode D02 AE24 Added

Country Ireland

ISO2 IE ISO3 IRL

Unmatched Co

Processed Time 00:00:00.05

Shortcuts View All To Clipboard

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Before

Loqate Demonstration UI v2.42.0.16013-6062831

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

Address3

Address2

Address1

Locality

AdministrativeArea

PostalCode

Country

CombinedVerifyMethod ☐ Parse ☒ Verify ☐ Match ☐ Search ☐ Format ☒ Geocode ☐ Enhance

Clear Options Clear Input Clear Output Process

Output

Address 12 Lr Omond Quay Latitude 53.351897 Longitude -6.254988 Accuracy A2 Distance 3727.0 Map This Location

Address Quality Index Result Count 1

Address Verification Code P22-I24-P0-070

Organization

SubBuilding

Premise 12 Identified no change

Building

PostBox

DependentThoroughfare

Thoroughfare Lr Omond Quay Identified context

DoubleDependentLocality

DependentLocality Dublin 1 Identified no change

Locality Dublin Verified no change

SubAdministrativeArea

AdministrativeArea Co. Dublin Verified large change

SuperAdministrativeArea

PostalCode

Country Ireland

ISO2 IE ISO3 IRL

Unmatched

Processed Time 00:00:00.04

Shortcuts View All To Clipboard

Server Status: ssOK Process Status: psOK

After

Loqate Demonstration UI v2.42.0.16013-6062831

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

Address3

Address2

Address1

Locality

AdministrativeArea

PostalCode

Country

CombinedVerifyMethod ☐ Parse ☒ Verify ☐ Match ☐ Search ☐ Format ☒ Geocode ☐ Enhance

Clear Options Clear Input Clear Output Process

Output

Address 12 Omond Quay Lower Latitude 53.346310 Longitude -6.265480 Accuracy P4 Distance 0.0 Map This Location

Address Quality Index Result Count 1

Address Verification Code V44-I44-P3-100

Organization

SubBuilding

Premise 12 Verified no change

Building

PostBox

DependentThoroughfare

Thoroughfare Omond Quay Lower Verified alias change

DoubleDependentLocality

DependentLocality Dublin 1 Verified no change

Locality Dublin Verified no change

SubAdministrativeArea

AdministrativeArea Co. Dublin Added

SuperAdministrativeArea

PostalCode D01 P9W0 Added

Country Ireland

ISO2 IE ISO3 IRL

Unmatched Co

Processed Time 00:00:00.04

Shortcuts View All To Clipboard

Server Status: ssOK Process Status: psOK

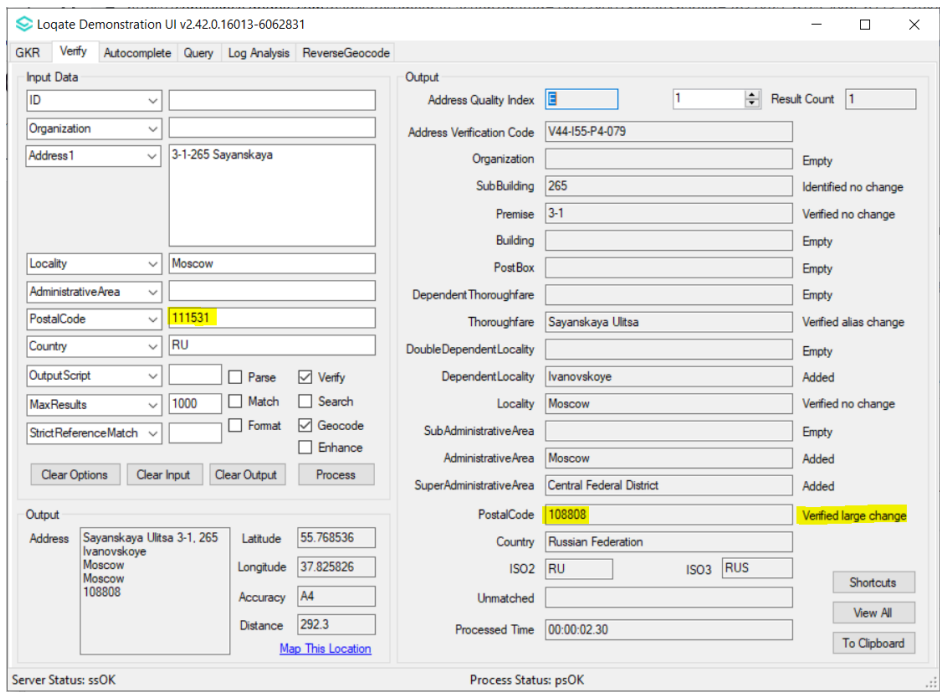
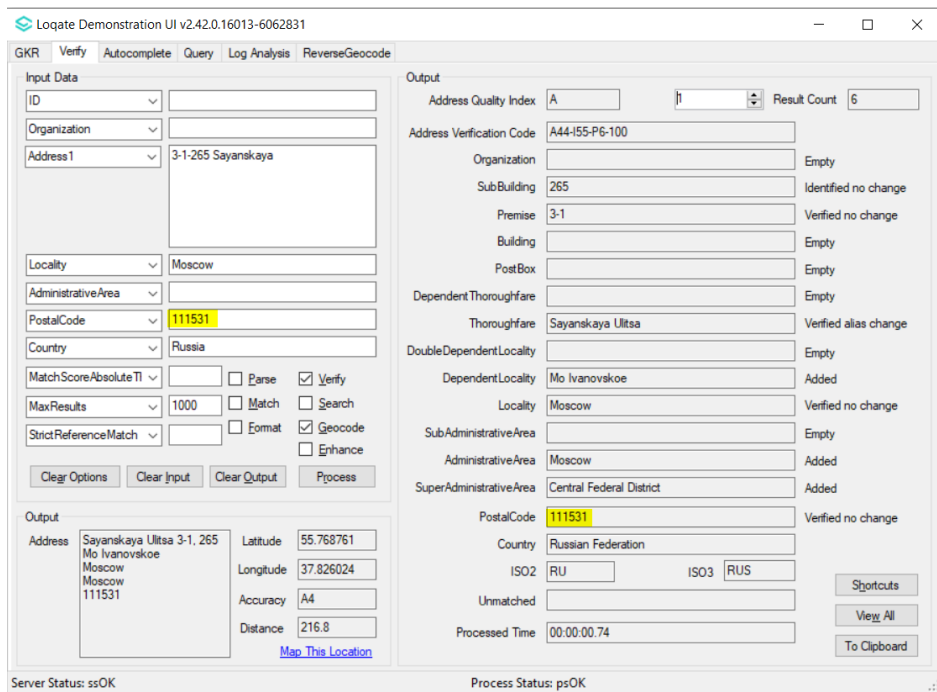
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Case Number	Change Description	Category	Country	Example Address
CAS-63288-V6Z5R8	PostalCode corrected in new Reference Data	Data	RUS	Address1: 3-1-265 Sayanskaya Locality: Moscow PostalCode: 111531 Country: RU

Before Image/Behaviour	After Image/Behaviour
 Loqate Demonstration UI v2.42.0.16013-6062831 Input Data: ID, Organization, Address1 (3-1-265 Sayanskaya), Locality (Moscow), AdministrativeArea, PostalCode (111531), Country (RU). Output: Address (Sayanskaya Ulitsa 3-1, 265), Latitude (55.768536), Longitude (37.825826), Accuracy (A4), Distance (292.3), Country (Russian Federation), ISO2 (RU), ISO3 (RUS).	 Loqate Demonstration UI v2.42.0.16013-6062831 Input Data: ID, Organization, Address1 (3-1-265 Sayanskaya), Locality (Moscow), AdministrativeArea, PostalCode (111531), Country (Russia). Output: Address (Sayanskaya Ulitsa 3-1, 265), Latitude (55.768761), Longitude (37.826024), Accuracy (A4), Distance (216.8), Country (Russian Federation), ISO2 (RU), ISO3 (RUS).

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Case Number	Change Description	Category	Country	Example Address
CAS-09746-K5L6Q0	The BE address was not verified to Premise level	Data	BE	Rue des Noctuelles 55 4020 Liège BE

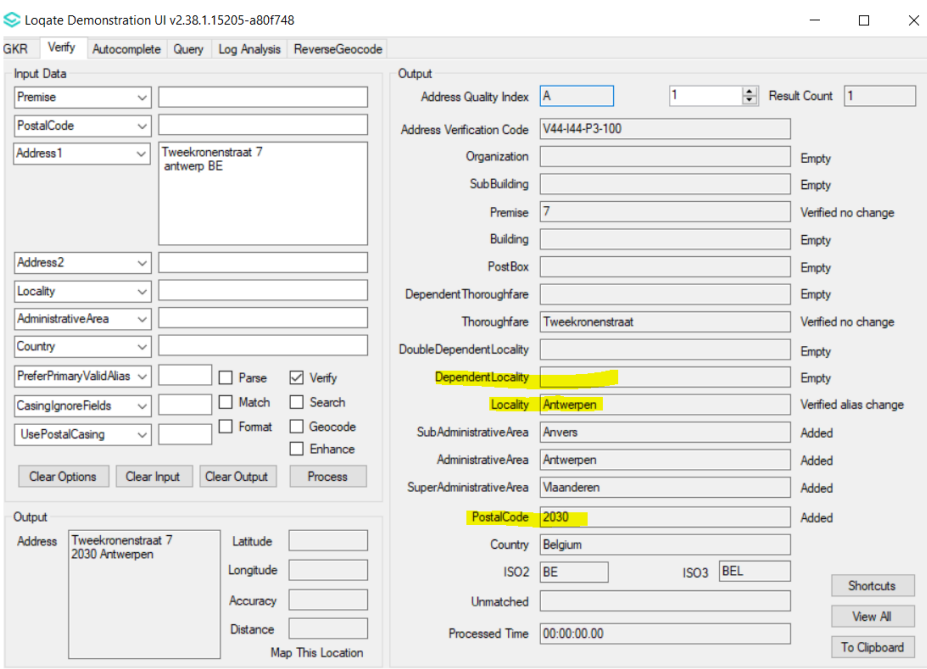
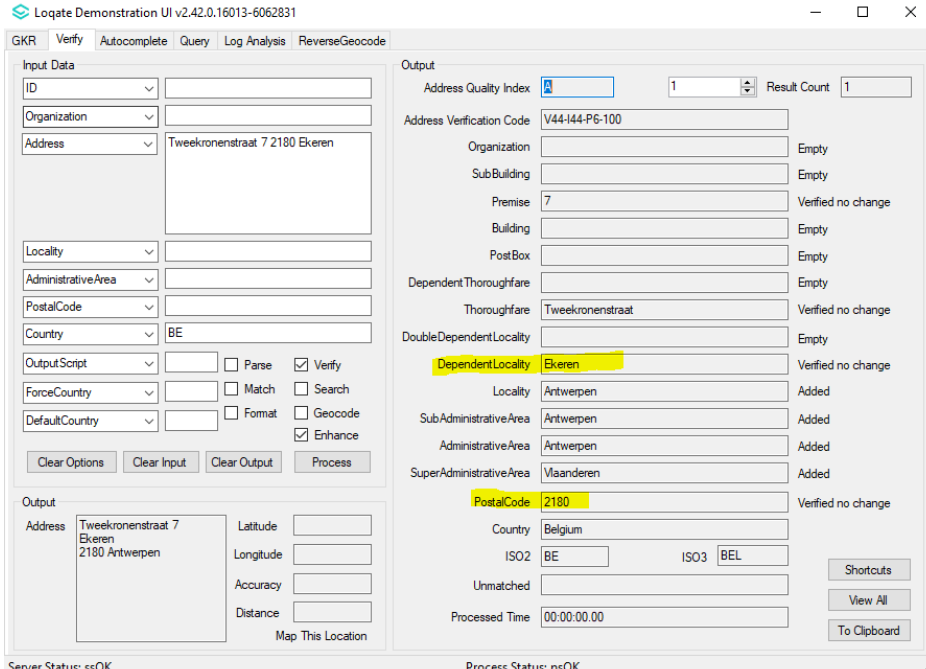
Before Country Rebuild	After Country Rebuild
Loqate Demonstration UI v2.38.1.15205-a80f748 GKR Verify Autocomplete Query Log Analysis ReverseGeocode Input Data Address3 Address2 Address1 Rue des Noctuelles 55 Locality Liège AdministrativeArea PostalCode 4020 Country BEL CertifiedCountryList ActiveClassLibrary OutputScript Clear Options Clear Input Clear Output Process Output Address Rue Des Forgerons 55 Wandre 4020 Liège Latitude Longitude Accuracy Distance Map This Location Server Status: ssOK Process Status: psOK	Loqate Demonstration UI v2.42.0.16013-6062831 GKR Verify Autocomplete Query Log Analysis ReverseGeocode Input Data ID Organization Address Rue des Noctuelles 55 4020 Liège Locality AdministrativeArea PostalCode Country BE OutputScript ForceCountry DefaultCountry Clear Options Clear Input Clear Output Process Output Address Rue Des Noctuelles 55 Jupille-Sur-Meuse 4020 Liège Latitude Longitude Accuracy Distance Map This Location Server Status: ssOK Process Status: psOK

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Case Number	Change Description	Category	Country	Example Address
CAS-10929-W8Y7G3	The output town and postal code do not follow BE Postal	Data	BE	Tweekronenstraat 7 2180 Ekeren BE
Before Country Rebuild			After Country Rebuild	
				

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Case Number	Change Description	Category	Country	Example Address
CAS-10679-C3B7P7	The Locality entries are expected to have multiple languages, e.g., NL and FR	Data	BE	Locality: Liège
Before Country Rebuild			After Country Rebuild	
<pre>Locality 176068 SubAdministrativeArea 234495 Liège<S=LATX,L=NL> - Liege \$Lutych \$Liegi \$L'ezh \$Lüttich \$Luik \$Lieja \$Liège Льеж<S=CYRL,L=RU> Λιέγη<S=GREK,L=EL></pre>			<pre>Locality 176068 SubAdministrativeArea 234495 Liège<S=LATX,L=FR> -Liege \$Lutych \$Lüttich \$Lieja \$Liegi \$Liège \$L'ezh \$Luik<S=LATN,L=NL> Льеж<S=CYRL,L=RU> Λιέγη<S=GREK,L=EL></pre>	

Case Number	Change Description	Category	Country	Example Address
CAS-11800-C6J8Y6	Input dependent localities are no longer parse to building field	Data	Malaysia	Address1: 2, JALAN AUSTIN HEIGHTS 1/5 Address2: MOUNT AUSTIN Address3: JOHOR BAHRU Locality: JOHOR. PostalCode: 81100 Country: Malaysia Address1: NO 9 JALAN DAGANG B/6 Address2: SRI AMPANG MAS Address3: TAMAN DAGANG Address4: AMPANG Country: Malaysia

Before Image

Address 1

Loqate Demonstration UI v2.42.0.16013-6062831

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

ID

Organization

Address

Locality

AdministrativeArea

PostalCode

Country

MatchScoreAbsoluteTI ☒ Parse ☐ Verify

ForceCountry ☐ Match ☐ Search

MaxResults ☐ Format ☒ Geocode ☐ Enhance

Clear Options Clear Input Clear Output Process

Output

Address Quality Index Result Count

Address Verification Code

Organization

SubBuilding

Premise Identified no change

Building Identified no change

PostBox

DependentThoroughfare

Thoroughfare Identified no change

DoubleDependentLocality

DependentLocality

Locality Identified no change

SubAdministrativeArea

AdministrativeArea Identified no change

SuperAdministrativeArea

PostalCode Identified no change

Country

ISO2 ISO3

Unmatched

Processed Time

Shortcuts View All To Clipboard

Output

Address

Latitude

Longitude

Accuracy

Distance

Map This Location

Server Status: ssOK Process Status: psOK

After Image

Address 1 After

Loqate Demonstration UI v2.39.1.15377-0102a77

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

ID

Organization

Address

Locality

AdministrativeArea

PostalCode

Country

MatchScoreAbsoluteTI ☒ Parse ☐ Verify

ForceCountry ☐ Match ☐ Search

MaxResults ☐ Format ☒ Geocode ☐ Enhance

Clear Options Clear Input Clear Output Process

Output

Address Quality Index Result Count

Address Verification Code

Organization

SubBuilding

Premise Identified no change

Building Identified no change

PostBox

DependentThoroughfare

Thoroughfare Identified no change

DoubleDependentLocality

DependentLocality Identified alias

Locality Identified no change

SubAdministrativeArea

AdministrativeArea Identified no change

SuperAdministrativeArea

PostalCode Identified no change

Country

ISO2 ISO3

Unmatched

Processed Time

Shortcuts View All To Clipboard

Output

Address

Latitude

Longitude

Accuracy

Distance

Map This Location

Server Status: ssOK Process Status: psOK

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Address 2

Loqate Demonstration UI v2.42.0.16013-6062831

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

ID

Organization

Address

Locality

AdministrativeArea

PostalCode

Country

MatchScoreAbsoluteTI ☒ Parse ☐ Verify

ForceCountry ☐ Match ☐ Search

MaxResults ☐ Format ☒ Geocode ☐ Enhance

Clear Options Clear Input Clear Output Process

Output

Address SRI AMPANG MAS
9 JALAN DAGANG B 6
TAMAN DAGANG
AMPANG

Latitude 3.149530

Longitude 101.755470

Accuracy P4

Distance 0.0

[Map This Location](#)

Server Status: ssOK

Process Status: psOK

Output

Address Quality Index E 1 Result Count 1

Address Verification Code U00-144-P0-100

Organization Empty

SubBuilding Empty

Premise 9 Identified no change

Building SRI AMPANG MAS Identified no change

PostBox Empty

DependentThoroughfare Empty

Thoroughfare JALAN DAGANG B 6 Identified no change

DoubleDependentLocality Empty

DependentLocality TAMAN DAGANG Identified no change

Locality AMPANG Identified no change

SubAdministrativeArea Empty

AdministrativeArea Empty

SuperAdministrativeArea Empty

PostalCode Empty

Country Malaysia

ISO2 MY ISO3 MYS

Unmatched

Processed Time 00:00:00.02

Shortcuts View All To Clipboard

Address 2 After

Loqate Demonstration UI v2.39.1.15377-0102a77

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

ID

Organization

Address

Locality

AdministrativeArea

PostalCode

Country

MatchScoreAbsoluteTI ☒ Parse ☐ Verify

ForceCountry ☐ Match ☐ Search

MaxResults ☐ Format ☒ Geocode ☐ Enhance

Clear Options Clear Input Clear Output Process

Output

Address 9 JALAN DAGANG B 6
SRI AMPANG MAS
TAMAN DAGANG
AMPANG

Latitude 3.149530

Longitude 101.755470

Accuracy P4

Distance 0.0

[Map This Location](#)

Server Status: ssOK

Process Status: psOK

Output

Address Quality Index E 1 Result Count 1

Address Verification Code U00-144-P0-100

Organization Empty

SubBuilding Empty

Premise 9 Identified no change

Building Empty

PostBox Empty

DependentThoroughfare Empty

Thoroughfare JALAN DAGANG B 6 Identified no change

DoubleDependentLocality SRI AMPANG MAS Identified no change

DependentLocality TAMAN DAGANG Identified no change

Locality AMPANG Identified no change

SubAdministrativeArea Empty

AdministrativeArea Empty

SuperAdministrativeArea Empty

PostalCode Empty

Country Malaysia

ISO2 MY ISO3 MYS

Unmatched

Processed Time 00:00:00.00

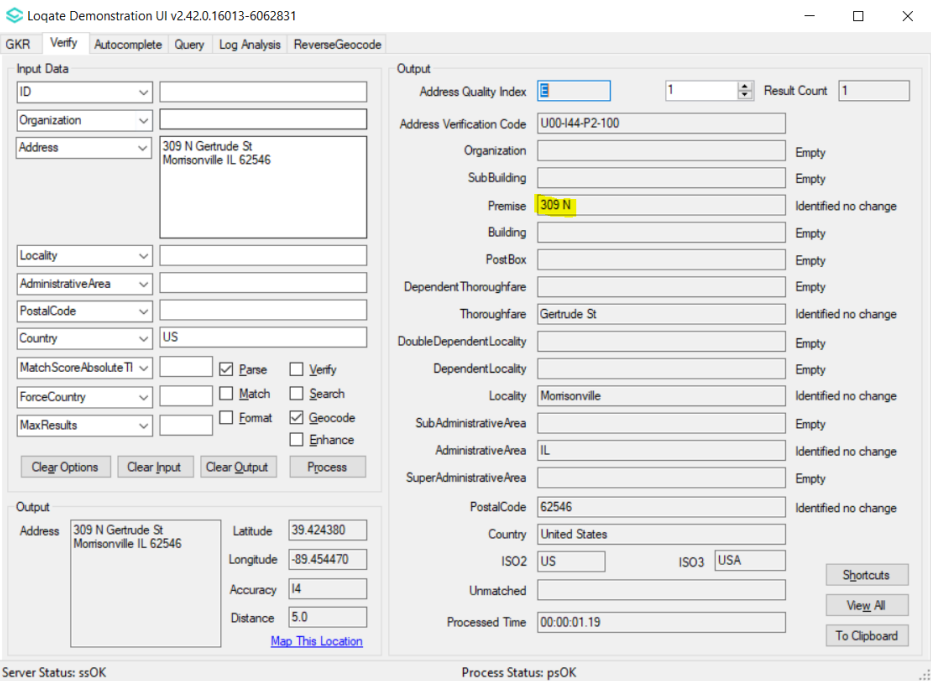
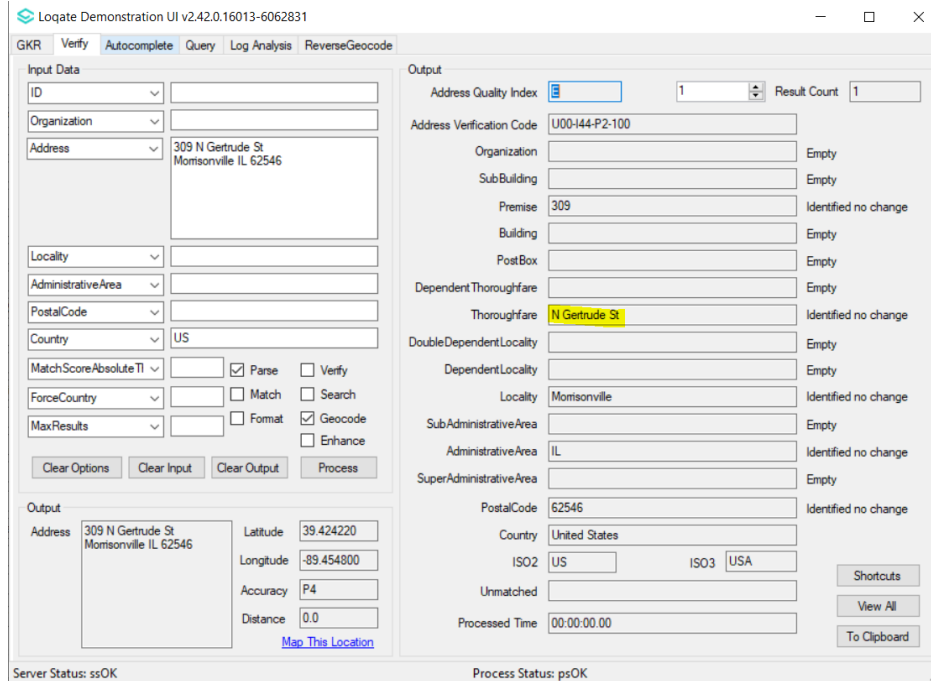
Shortcuts View All To Clipboard

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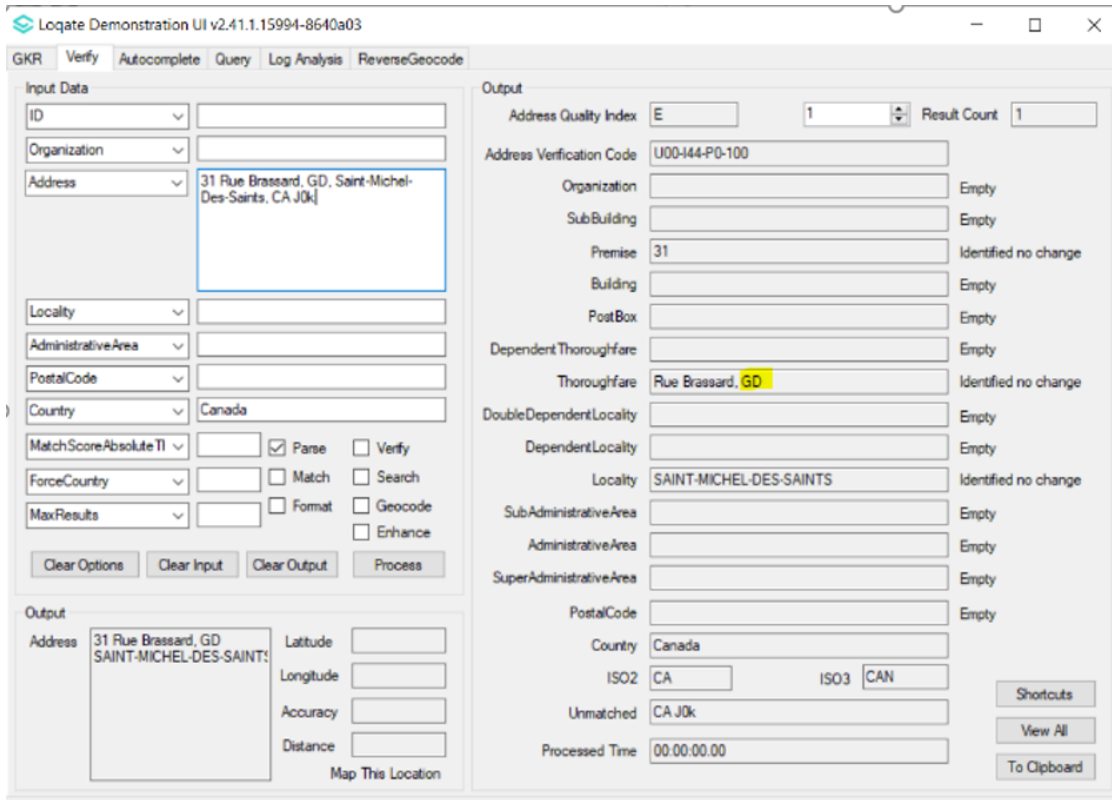
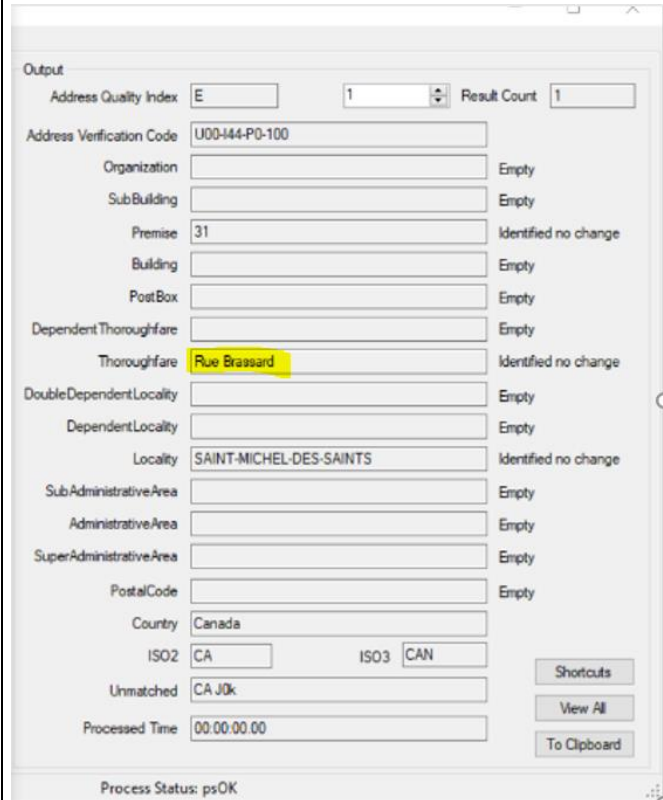
Case Number	Change Description	Category	Country	Example Address
CAS-62991-M4F7T7	'N' a thoroughfare pre-direction is now parsed to thoroughfare field. Previously parsed to premise field.	Data	USA	Address1: 309 N Gertrude St,Morrisonville IL 62546 Country: USA
Before Image			After Image	
 Loqate Demonstration UI v2.42.0.16013-6062831 GKR Verify Autocomplete Query Log Analysis ReverseGeocode Input Data ID Organization Address 309 N Gertrude St Morrisonville IL 62546 Locality AdministrativeArea PostalCode Country US MatchScoreAbsoluteTI ☒ Parse ☐ Verify ForceCountry ☐ Match ☐ Search MaxResults ☐ Format ☒ Geocode ☐ Enhance Clear Options Clear Input Clear Output Process Output Address 309 N Gertrude St Morrisonville IL 62546 Latitude 39.424380 Longitude -89.454470 Accuracy 14 Distance 5.0 Map This Location Address Quality Index 1 Result Count 1 Address Verification Code U00-I44-P2-100 Organization Empty SubBuilding Empty Premise 309 N Identified no change Building Empty PostBox Empty DependentThoroughfare Empty Thoroughfare Gertrude St Identified no change DoubleDependentLocality Empty DependentLocality Empty Locality Morrisonville Identified no change SubAdministrativeArea Empty AdministrativeArea IL Identified no change SuperAdministrativeArea Empty PostalCode 62546 Identified no change Country United States ISO2 US ISO3 USA Unmatched Empty Processed Time 00:00:01.19 Shortcuts View All To Clipboard Server Status: ssOK Process Status: psOK			 Loqate Demonstration UI v2.42.0.16013-6062831 GKR Verify Autocomplete Query Log Analysis ReverseGeocode Input Data ID Organization Address 309 N Gertrude St Morrisonville IL 62546 Locality AdministrativeArea PostalCode Country US MatchScoreAbsoluteTI ☒ Parse ☐ Verify ForceCountry ☐ Match ☐ Search MaxResults ☐ Format ☒ Geocode ☐ Enhance Clear Options Clear Input Clear Output Process Output Address 309 N Gertrude St Morrisonville IL 62546 Latitude 39.424220 Longitude -89.454800 Accuracy P4 Distance 0.0 Map This Location Address Quality Index 1 Result Count 1 Address Verification Code U00-I44-P2-100 Organization Empty SubBuilding Empty Premise 309 Identified no change Building Empty PostBox Empty DependentThoroughfare Empty Thoroughfare N Gertrude St Identified no change DoubleDependentLocality Empty DependentLocality Empty Locality Morrisonville Identified no change SubAdministrativeArea Empty AdministrativeArea IL Identified no change SuperAdministrativeArea Empty PostalCode 62546 Identified no change Country United States ISO2 US ISO3 USA Unmatched Empty Processed Time 00:00:00.00 Shortcuts View All To Clipboard Server Status: ssOK Process Status: psOK	

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Case Number	Change Description	Category	Country	Example Address
CAS-63559-R1L0F2	GD is no longer parsed to thoroughfare field	Data	Canada	Address1: 631 Rue Brassard, GD, Saint-Michel-Des-Saints, CA J0k Country: Canada
Before Image			After Image	
				

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Case Number	Change Description	Category	Country	Example Address
CAS-66748-M9D2D3	Fix the mapping and the expected locality 'San Lazzaro di Savena' is returned correctly.	Data	Italy	Address1: Via Viviana Bugamelli 7 40068 San Lazzaro di Savena Bologna Italy

Before Image

Loqate Demonstration UI v2.40.1.15683-927cda5

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

Address3

Address2

Address1

Locality

AdministrativeArea

PostalCode

Country

MaxResults ☐ Parse ☒ Verify

OutputSortType ☐ Match ☐ Search

DefaultCountry ☐ Format ☐ Enhance

Clear Options Clear Input Clear Output Process

Output

Address

Latitude

Longitude

Accuracy

Distance

Map This Location

Server Status: ssOK

Process Status: psOK

Output

Address Quality Index 1 Result Count 1

Address Verification Code V44-I44-P6-100

Organization Empty

SubBuilding Empty

Premise Verified no change

Building Empty

PostBox Empty

DependentThoroughfare Empty

Thoroughfare Verified no change

DoubleDependentLocality Empty

DependentLocality Empty

Locality Verified alias change

SubAdministrativeArea Empty

AdministrativeArea Verified alias change

SuperAdministrativeArea Added

PostalCode Verified no change

Country

ISO2 ISO3

Unmatched

Processed Time 00:00:00.06

Shortcuts View All To Clipboard

After Image

Loqate Demonstration UI v2.40.1.15683-927cda5

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

Address3

Address2

Address1

Locality

AdministrativeArea

PostalCode

Country

MaxResults ☐ Parse ☒ Verify

OutputSortType ☐ Match ☐ Search

DefaultCountry ☐ Format ☐ Enhance

Clear Options Clear Input Clear Output Process

Output

Address

Latitude

Longitude

Accuracy

Distance

Map This Location

Server Status: ssOK

Process Status: psOK

Output

Address Quality Index 1 Result Count 1

Address Verification Code V44-I44-P6-100

Organization Empty

SubBuilding Empty

Premise Verified no change

Building Empty

PostBox Empty

DependentThoroughfare Empty

Thoroughfare Verified no change

DoubleDependentLocality Empty

DependentLocality Empty

Locality Verified no change

SubAdministrativeArea Empty

AdministrativeArea Verified alias change

SuperAdministrativeArea Added

PostalCode Verified no change

Country

ISO2 ISO3

Unmatched

Processed Time 00:00:00.06

Shortcuts View All To Clipboard

Case Number	Change Description	Category	Country	Example Address
CAS-50122-D7N0Z0	SubBuilding able to be parsed correctly and overall address parsing is improved	Data	Italy	AddressLine1=Via Giuseppe Felici, 1, Scala E, Piano 4, Interno 7 City=Roma PostalCode=00144 Country=IT

Before Image

Loqate Demonstration UI v2.40.1.15683-927cda5

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

Address3

Address2

Address1

Locality

AdministrativeArea

PostalCode

Country

MaxResults ☐ Parse ☒ Verify

OutputSortType ☐ Match ☐ Search

DefaultCountry ☐ Format ☐ Geocode ☐ Enhance

Clear Options Clear Input Clear Output Process

Output

Address Quality Index 1 Result Count 1

Address Verification Code

Organization

SubBuilding

Premise

Building

PostBox

DependentThoroughfare

Thoroughfare

DoubleDependentLocality

DependentLocality

Locality Verified no change

SubAdministrativeArea

AdministrativeArea Added

SuperAdministrativeArea Added

PostalCode Unrecognized

Country

ISO2 ISO3

Unmatched

Processed Time

Shortcuts View All To Clipboard

Map This Location

Server Status: ssOK Process Status: psOK

After Image

Loqate Demonstration UI v2.40.1.15683-927cda5

GKR Verify Autocomplete Query Log Analysis ReverseGeocode

Input Data

Address3

Address2

Address1

Locality

AdministrativeArea

PostalCode

Country

MaxResults ☐ Parse ☒ Verify

OutputSortType ☐ Match ☐ Search

DefaultCountry ☐ Format ☐ Geocode ☐ Enhance

Clear Options Clear Input Clear Output Process

Output

Address Quality Index 1 Result Count 1

Address Verification Code

Organization

SubBuilding Identified no change

Premise Verified no change

Building

PostBox

DependentThoroughfare

Thoroughfare Verified no change

DoubleDependentLocality

DependentLocality

Locality Verified no change

SubAdministrativeArea

AdministrativeArea Added

SuperAdministrativeArea Added

PostalCode Verified no change

Country

ISO2 ISO3

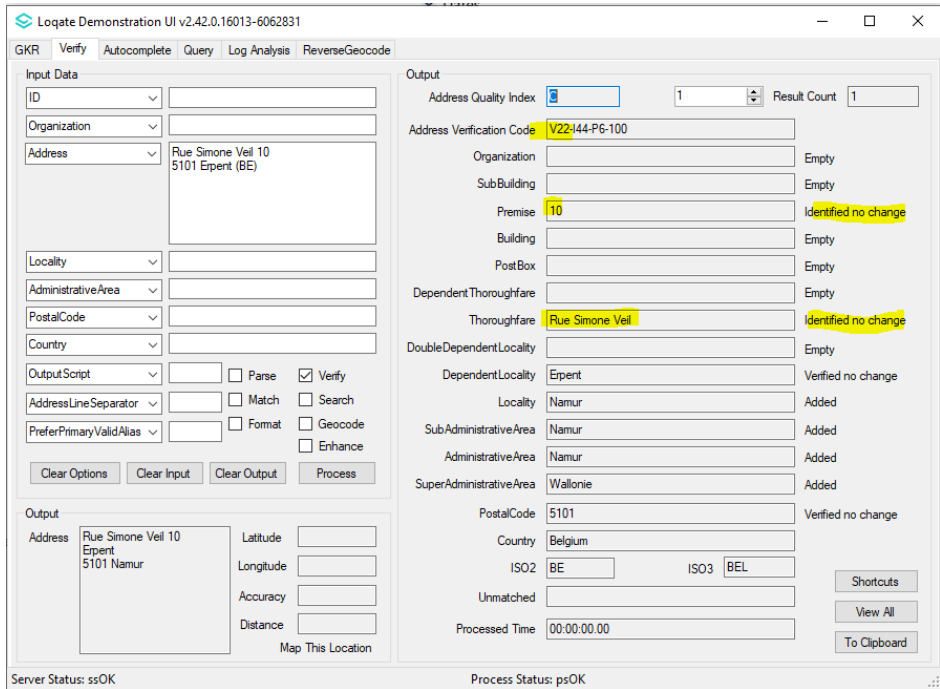
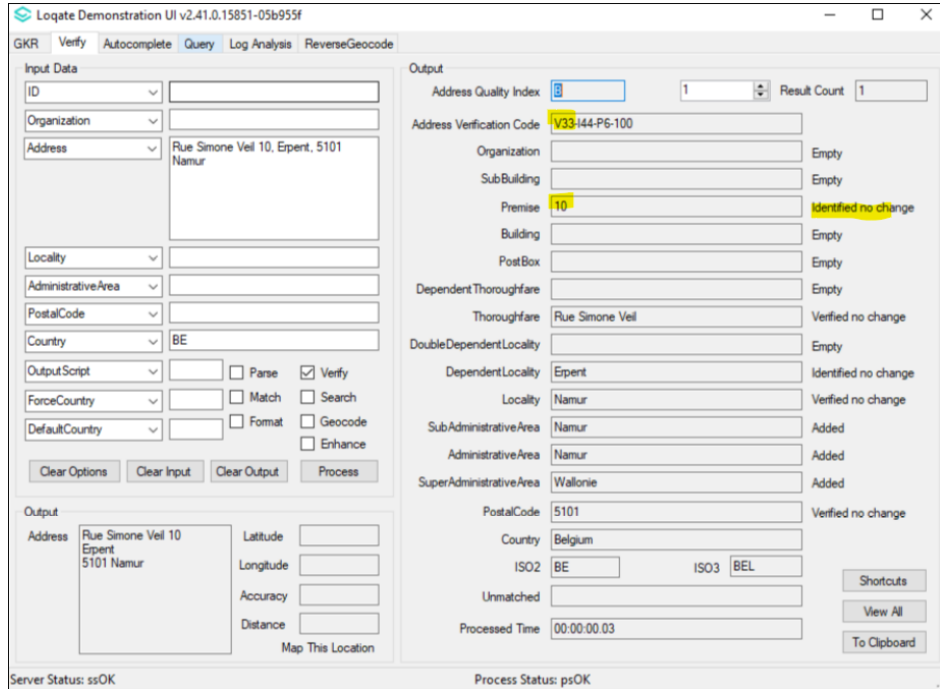
Unmatched

Processed Time

Shortcuts View All To Clipboard

Map This Location

Server Status: ssOK Process Status: psOK

Case Number	Change Description	Category	Country	Example Address
CAS-10603-M0W0C5	Improvement in address verification	Data	Belgium	Address= Rue Simone Veil 10 5101 Erpent (BE)
Before Image			After Image	
				

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