

Loqate, A GBG Solution

Release Notes – Verify API

2021Q2.1 Minor Release

Case Resolutions

Please visit <https://support.loqate.com/release-information/2021q2-1-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.

Supported Platforms

Legacy Platforms

The installers and libraries have moved to a new location for the following platforms: HP-UX, Solaris, and Sparc. Please contact the support team: LoqateSupport@gbgplc.com for additional information on obtaining the installers and libraries for these platforms.

Local API Improvements

Coordinate Address Improvements

In the 2021Q2.1 minor release, improvements have been made to the parse results within the premise and thoroughfare fields for coordinate addresses. This change has an impact in the following countries: Brazil, Sweden, United States of America, Slovakia, Portugal, and France.

The following example is in reference to USA addresses. In the following example, using the input thoroughfare: "W 3500 S", previously the engine would parse the premise as "3500S 2965W" as the numbers could potentially be a premise number. The 2021Q2.1 minor release added an enhancement feature that allows the Verify tool to parse the coordinate address. The parse results will now return the thoroughfare as "W 3500 S". Please see Fig. 1 for screenshot.

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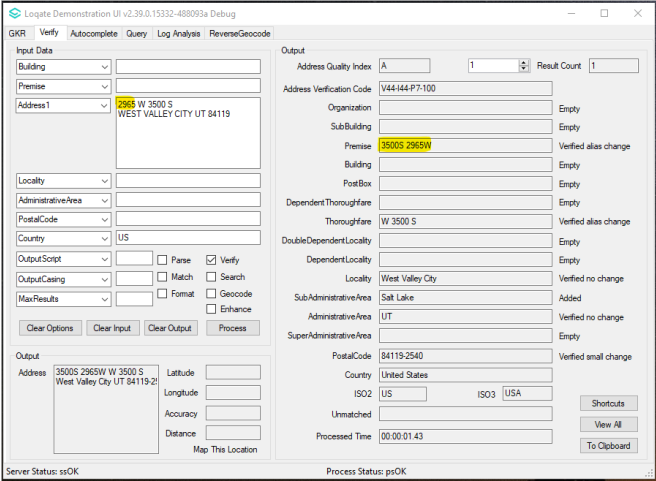
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Coordinate Address Improvements Continued...

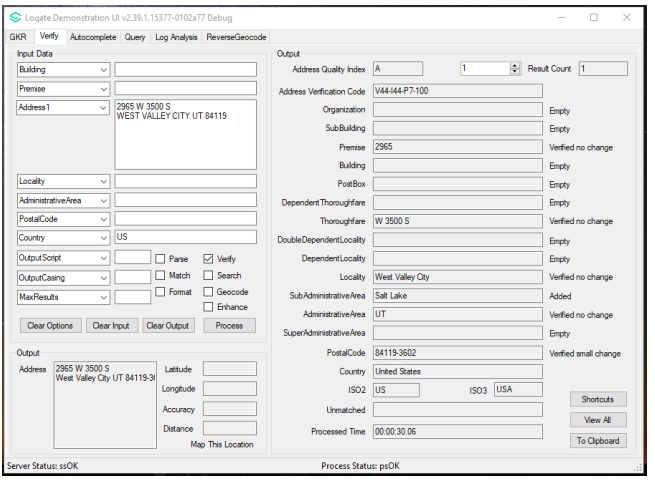
Fig. 1

2021Q2.0 (Before Changes)



2021Q2.0: VerifyTool may return unexpected output in premise field.
Example: premise "3500S 2965W"

2021Q2.1 (After Changes)



2021Q2.1: VerifyTool returns correct Premise output.
Example: Premise "2965"

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With the 2021Q2.1 minor release when using Search, users may have seen unexpected results within the ID and Premise fields; this is now resolved in this release. Please see Fig. 3 below for example screenshots.

[illegible]

When using reverse geocode, some users may have experienced certain results were returning 0.0 latitude and longitude or certain results where the latitude and longitude did not match the input; this is now resolved with this release and reverse geocode will now return the expected latitude and longitude. Please see Fig. 2 below for examples of use cases.










Fig. 2

2021Q2.0**CASE 1:**

2021Q2.0: Reverse Geocode returns GeoDistance "20.439571" and the output latitude and longitude may not match with the input's

CASE 2:

2021Q2.0: Reverse Geocode returns GeoDistance "9.887804" and both output latitude

and longitude does not match with the input's

2021Q2.1**CASE 1:**

2021Q2.1: Reverse Geocode returns GeoDistance "0.000000" and the output latitude and longitude will match with the input's

CASE 2:

2021Q2.1: Reverse Geocode returns GeoDistance "0.000000" with both output latitude and longitude matching with the input's

India Example:

Reverse Grid	
Address	P138
Address1	Budhwar Path
Address2	Pune Maharashtra 411002
AddressFormat	Premise-BR>DependentLocality-BR>Locality...
AdministrativeArea	Maharashtra
CountryName	India
DeliveryAddress	P138-BR>Budhwar Path
DeliveryAddress1	P138
DeliveryAddress2	Budhwar Path
DeliveryAddressFormat	Premise-BR>DependentLocality
DependentLocality	Budhwar Path
GeoDistance	8063861.734123
ISO3166-2	IN
ISO3166-3	IND
ISO3166-N	356
Latitude	0.000000
Locality	Pune
Longitude	0.000000
PostalCode	411002
PostalCodePrimary	411002
Premise	P138
PremiseNumber	P138
PremiseNumberRangeField	P138
SubAdministrativeArea	Pune District

2021Q2.0: Reverse Geocode returns GeoDistance "8063861.734123", both output Latitude and Longitude are "0.000000"

India Example:

Reverse Grid	
AddressFormat	Premise Thoroughfare-BR>DoubleDepende...
AdministrativeArea	Maharashtra
CountryName	India
DeliveryAddress	93 Laxmi Road-BR>Tulhbag-BR>Budhw...
DeliveryAddress1	93 Laxmi Road
DeliveryAddress2	Tulhbag
DeliveryAddress3	Budhwar Path
DeliveryAddressFormat	Premise Thoroughfare-BR>DoubleDepende...
DependentLocality	Budhwar Path
DoubleDependentLocality	Tulhbag
GeoDistance	0.000000
ISO3166-2	IN
ISO3166-3	IND
ISO3166-N	356
Latitude	18.515050
Locality	Pune
Longitude	73.855500
PostalCode	411002
PostalCodePrimary	411002
Premise	93
PremiseNumber	93
PremiseNumberRangeField	93-2
SubAdministrativeArea	Pune District
Thoroughfare	Laxmi Road

2021Q2.1: Reverse Geocode returns GeoDistance "0.000000" with both output latitude and longitude match with the input's

Canada Example:

Reverse Grid	
Address	2 Interprovinciale Rd-BR>Chute-À-Blondeau On...
Address1	2 Interprovinciale Rd
Address2	Chute-À-Blondeau On K0B
AddressFormat	PremiseNumber Thoroughfare-BR>Locality Adm...
AdministrativeArea	On
CountryName	Canada
DeliveryAddress	2 Interprovinciale Rd
DeliveryAddress1	2 Interprovinciale Rd
DeliveryAddressFormat	PremiseNumber Thoroughfare
GeoDistance	23.874926
ISO3166-2	CA
ISO3166-3	CAN
ISO3166-N	124
Latitude	45.561489
Locality	Chute-À-Blondeau
Longitude	-74.381420
PostalCode	K0B
PostalCodePrimary	K0B
Premise	2
PremiseNumber	19012
PremiseNumberRangeField	East Haverbury
SubAdministrativeArea	Interprovinciale Rd
Thoroughfare	Interprovinciale Rd

2021Q2.0: Reverse Geocode returns GeoDistance "23.874926" and both output latitude

and longitude does not match with the input's

Canada Example:

Reverse Grid	
Address	694 Rue Du Tisseur-BR>Pointe-Fortune Gc JOP
Address1	694 Rue Du Tisseur
Address2	Pointe-Fortune Gc JOP
AddressFormat	PremiseNumber Thoroughfare-BR>Locality Adm...
AdministrativeArea	Gc
CountryName	Canada
DeliveryAddress	694 Rue Du Tisseur
DeliveryAddress1	694 Rue Du Tisseur
DeliveryAddressFormat	PremiseNumber Thoroughfare
GeoDistance	0.000000
ISO3166-2	CA
ISO3166-3	CAN
ISO3166-N	124
Latitude	45.561650
Locality	Pointe-Fortune
Longitude	-74.381420
PostalCode	JOP
PostalCodePrimary	JOP
Premise	694
PremiseNumber	694
PremiseNumberRangeField	694
Thoroughfare	Rue Du Tisseur

2021Q2.0: Reverse Geocode returns GeoDistance "0.000000" with both output latitude

and longitude match with the input's

Improved verification results for United Kingdom (GB)

Some users may have experienced unexpected AVC results for United Kingdom addresses, the issue was caused by the implementation of new FieldLevelMap. This is now resolved in the 2021Q2.1 minor release.

2021Q2.0 (Before Changes)	2021Q2.1 (After Changes)
Loqate Demonstration UI v2.38.0.15202-61b004 GRKR Verify Autocomplete Query Log Analysis ReverseGeocode Input Data ID Address2 Address1 Locality AdministrativeArea PostalCode Country OutputCasing DefaultCountry MaxResults SHREWSBURY SH SY4 1AA GB ☐ Parse ☒ Verify ☐ Match ☐ Search ☐ Format ☒ Geocode ☐ Enhance Clear Options Clear Input Clear Output Process Output Address Latitude Longitude Accuracy Distance 4 The Orchard Montford Lane Shrewsbury SY4 1BQ 52.732057 -2.890220 P3 0.0 Map This Location Output Address Quality Index Address Verification Code Organization SubBuilding Premise Building PostBox DependentThoroughfare Thoroughfare DoubleDependentLocality DependentLocality Locality SubAdministrativeArea AdministrativeArea SuperAdministrativeArea E V44-444-P4-071 4 The Orchard Montford Lane Shrawardine Shrewsbury Shropshire Verified no change Added Verified no change Verified large change Added Verified no change Verified large change Verified large change PostalCode Country ISO2 ISO3 Unmatched Processed Time SY4 1BQ United Kingdom GB GBR 00:00:00.15 Shortcuts View All To Clipboard Server Status: ssOK Process Status: psOK 2021Q2.0: The AVC is incorrect, it should be 2 when thoroughfare is "Verified Large Change".	Loqate Demonstration UI v2.39.0.15368-7925a22 GRKR Verify Autocomplete Query Log Analysis ReverseGeocode Input Data ID Address2 Address1 Locality AdministrativeArea PostalCode Country OutputCasing DefaultCountry MaxResults SHREWSBURY SH SY4 1AA GB ☐ Parse ☒ Verify ☐ Match ☐ Search ☐ Format ☒ Geocode ☐ Enhance Clear Options Clear Input Clear Output Process Output Address Latitude Longitude Accuracy Distance 4 The Orchard Montford Lane Shrawardine Shrewsbury SY4 1BQ 52.732057 -2.890220 P3 0.0 Map This Location Output Address Quality Index Address Verification Code Organization SubBuilding Premise Building PostBox DependentThoroughfare Thoroughfare DoubleDependentLocality DependentLocality Locality SubAdministrativeArea AdministrativeArea SuperAdministrativeArea E V42-444-P4-071 4 The Orchard Montford Lane Shrawardine Shrewsbury Shropshire Verified no change Added Verified no change Verified large change Added Verified no change Verified large change Verified large change PostalCode Country ISO2 ISO3 Unmatched Processed Time SY4 1BQ United Kingdom GB GBR 00:00:00.00 Shortcuts View All To Clipboard Server Status: ssOK Process Status: psOK 2021Q2.1: The AVC is now corrected.

Installation Instructions

Please remember to update both the program files and the reference data. The improvements are tied to the data in the Global Knowledge Repository and the Local API. If you need any assistance with the upgrade of the Local API or the data update process, please contact [GBG Loqate Support](#).

The setup wizard for the [Local API](#) can be obtained from our SFTP server. Please contact your account manager to retrieve the SFTP information. If you do not know who your account manager is, please contact the support team at LoqateSupport@gbgplc.com.

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Release Notes – Reference Data & Knowledge Base 2021Q2.1 Minor Release

Case Resolutions

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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	2021-02-26	2021-06-30
CASS Data	2021-05-17	2021-08-28

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

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

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 Notices

Australia

Please note: From the 2021Q2.0 Major Release, the "Suburb" field, defined by Australia Post, has been moved from Locality to DependentLocality and the wider metropolitan region (or city) is now the Locality. The change will only occur in Verify output components; the address lines will be unaffected and will remain compliant with postal standards.

USA CASS2 Engine

Please note: From the 2021Q2.0 major release, the USA CASS2 engine will be made available. Information on the USA CASS2 engine can be found on the support site [here](#). Please contact your account manager for additional information in regards to accessing USA CASS2.

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Timor-Leste

The ISO3 for Timor-Leste will now display as TLS.

2021Q2.0

ISO3 was TLP

The screenshot shows the Logate Demonstration UI v2.38.0.15199-afbb47. The 'Input Data' section has 'Address' set to 'Rua do Loriku, Vera Cruz, DL, Timor Leste'. The 'Output' section shows 'Country' as 'Timor-Leste' and 'ISO3' as 'TLP', which is highlighted with a red box. The 'Address Verification Code' is 'Y33-03-P0-100'. The 'Processed Time' is '00:00:00.01'.

2021Q2.1

ISO3 is now TLS

The screenshot shows the Logate Demonstration UI v2.37.1.15117-ef76261. The 'Input Data' section has 'Address' set to 'Rua do Loriku vera cruz dl'. The 'Output' section shows 'Country' as 'Timor-Leste' and 'ISO3' as 'TLS', which is highlighted with a yellow box. The 'Address Verification Code' is 'Y33-03-P0-100'. The 'Processed Time' is '00:00:00.00'.

Malaysia

The 2021Q2.1 minor release makes improvements to the parsing results of the DependentLocality field.

2021Q2.0

Incorrect parsing of DependentLocality.

The screenshot shows the Logate Demonstration UI v2.39.0.15331-0780e2d. The 'Input Data' section has 'Address' set to '1097, JLN SATU, KG BERAPIT'. The 'Output' section shows 'Country' as 'Malaysia' and 'ISO3' as 'MYS'. The 'DependentLocality' field is 'Pulau Pinang', which is highlighted with a yellow box. The 'Address Verification Code' is 'P22-44-P6-100'. The 'Processed Time' is '00:00:00.75'.

2021Q2.1

Correct parsing of DependentLocality. General improvement in parsing & verification.

The screenshot shows the Logate Demonstration UI v2.39.0.15331-0780e2d. The 'Input Data' section has 'Address' set to '1097, JLN SATU, KG BERAPIT'. The 'Output' section shows 'Country' as 'Malaysia' and 'ISO3' as 'MYS'. The 'DependentLocality' field is 'Pulau Pinang', which is highlighted with a yellow box. The 'Address Verification Code' is 'V44-44-P6-075'. The 'Processed Time' is '00:00:00.04'.

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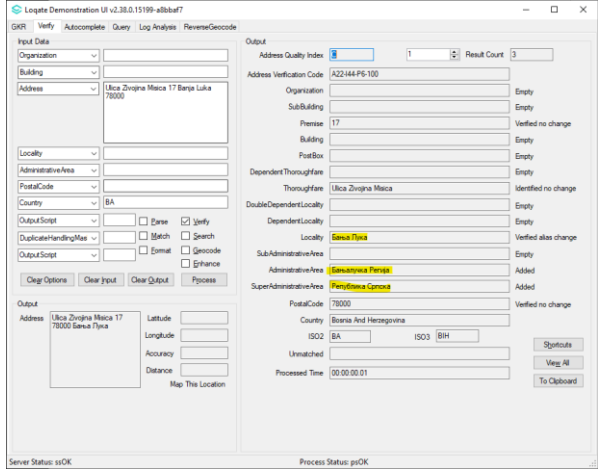
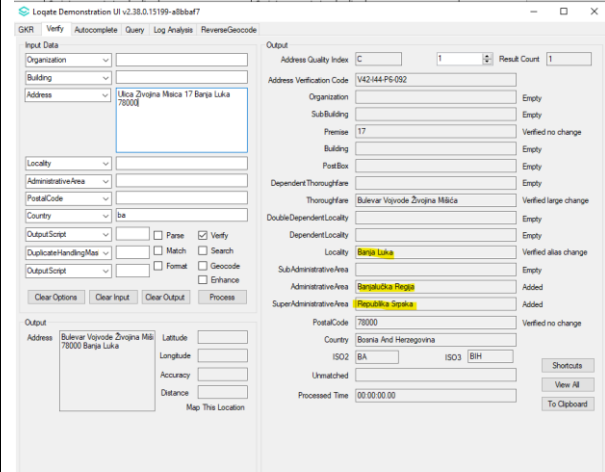
Country Improvement Program (PDH)

The following section will display the changes made during the country improvement program. For more details on our Country Improvement Program, please visit the support site [here](http://www.loqate.com). The country verification level is displayed in parenthesis next to the country name.

Bosnia and Herzegovina (L4)

Country Information	Description
ISO2	BA
ISO3	BIH
Address Format	Organization PostBox Building SubBuilding Thoroughfare Premise DependentThoroughfare DoubleDependentLocality DependentLocality PostalCode Locality
PDH	YES
PDH completed date	2021Q2.1
New Source	NO
Reference Data Pre-PDH	rd_BA.lfs rd_BA_ai.lfs rd_BA_rg.lfs rd_BA_geop.lfs rd_BA_geop_rg.lfs
Reference Data Post-PDH	rd_BA_vfy.lfs rd_BA_vfy_ai.lfs rd_BA_ggg.lfs rd_BA_ggg_rg.lfs

The 2021Q2.1 minor release provides improvement to the transliterated results when transliterating from Latin to Cyrillic.

2021Q2.0	2021Q2.1
Users may have experienced certain cases where Latin input changes to Cyrillic output. 	Latin Input correctly verifying as Latin output. 

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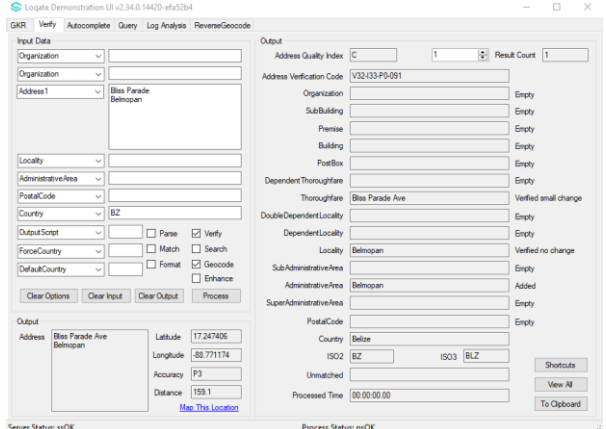
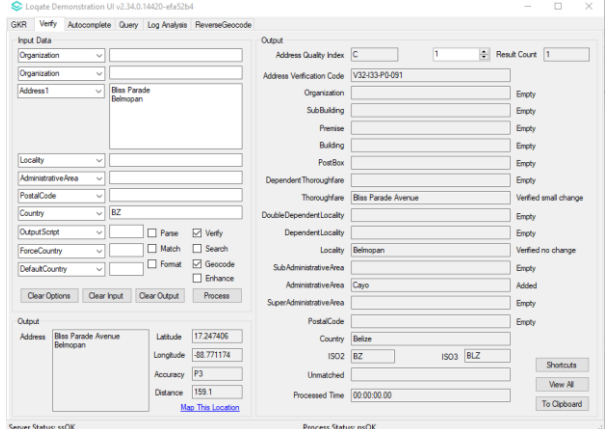
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Belize (L3)

Country Information	Description
ISO2	BZ
ISO3	BLZ
Address Format	Organization PostBox SubBuilding Building Premise Thoroughfare DependentThoroughfare DoubleDependentLocality DependentLocality Locality
PDH	YES
PDH completed date	2021Q2.1
New Source	NO
Reference Data Pre-PDH	rd_BZ.lfs rd_BZ_ai.lfs rd_BZ_rg.lfs
Reference Data Post-PDH	rd_BZ_vfy.lfs rd_BZ_vfy_ai.lfs rd_BZ_ggg.lfs rd_BZ_ggg_rg.lfs

This release makes improvements to the verification results of the AdministrativeArea field.

2021Q2.0	2021Q2.1
Unexpected AdministrativeArea 	Corrected AdministrativeArea. 

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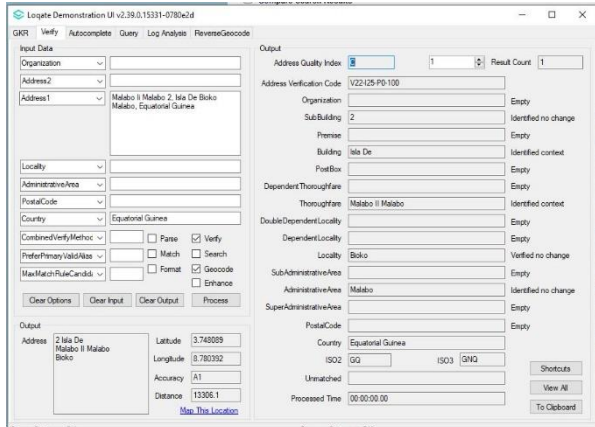
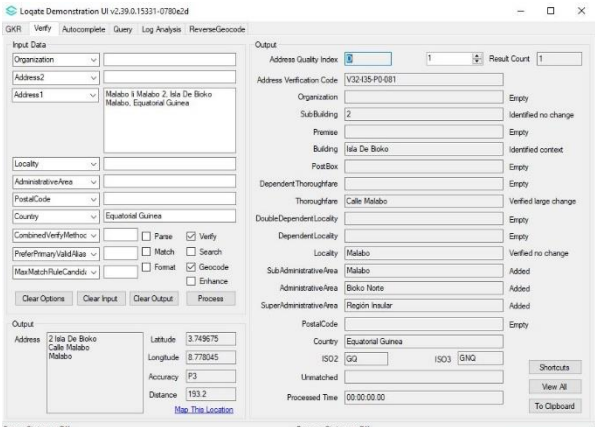
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Equatorial Guinea (L3)

Country Information	Description
ISO2	GQ
ISO3	GNQ
Address Format	Organization PostBox SubBuilding Building Premise Thoroughfare DependentThoroughfare DoubleDependentLocality DependentLocality Locality
PDH	YES
PDH completed date	2021Q2.1
New Source	NO
Reference data Pre-PDH	rd_GQ_ai.lfs rd_GQ.lfs rd_GQ_rg.lfs
Reference data Post-PDH	rd_GQ_ggg.lfs rd_GQ_ggg_rg.lfs rd_GQ_vfy_ai.lfs rd_GQ_vfy.lfs

This release makes improvements to the alignment between the SubAdministrativeArea, AdministrativeArea, and SuperAdministrativeArea fields.

2021Q2.0	2021Q2.1
SubAdministrativeArea, AdministrativeArea and SuperAdministrativeArea are not verified and missing. 	SubAdministrativeArea, AdministrativeArea and SuperAdministrativeArea are now added and corrected. 

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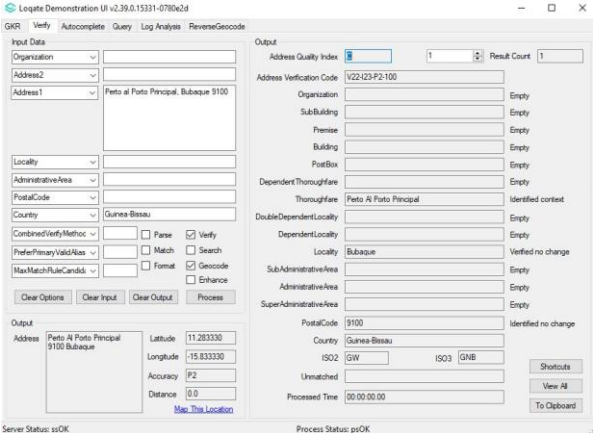
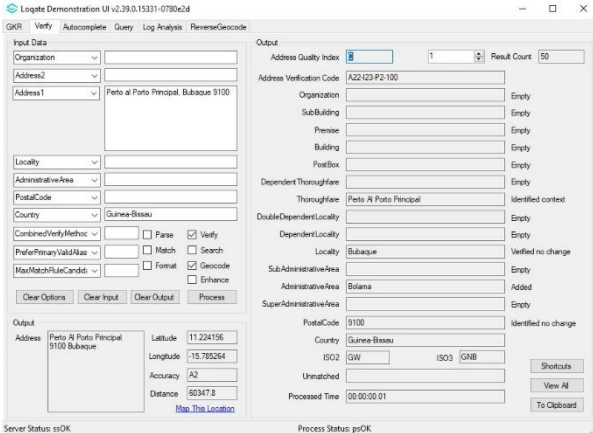
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Guinea-Bissau (L3)

Country Information	Description
ISO2	GW
ISO3	GNB
Address Format	Organization PostBox Building SubBuilding Thoroughfare Premise DependentThoroughfare DoubleDependentLocality DependentLocality PostalCode Locality
PDH	YES
PDH completed date	2021Q2.1
New Source	NO
Reference Data Pre-PDH	rd_GW_ai.lfs rd_GW.lfs rd_GW_rg.lfs
Reference Data Post-PDH	rd_GW_ggg.lfs rd_GW_ggg_rg.lfs rd_GW_vfy_ai.lfs rd_GW_vfy.lfs

This release makes improvements to the verification results within the AdministrativeArea field.

2021Q2.0	2021Q2.1
AdministrativeArea is missing. 	AdministrativeArea is now added. 

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Country Information	Description
ISO2	GY
ISO3	GUY
Address Format	Organization PostBox SubBuilding Building Premise Thoroughfare DependentThoroughfare DoubleDependentLocality DependentLocality Locality
PDH	YES
PDH completed date	2021Q2.1
New Source	NO
Reference Data Pre-PDH	rd_GY_ggg.lfs rd_GY_ggg_rg.lfs rd_GY_vfy_ai.lfs rd_GY_vfy.lfs
Reference Data Post-PDH	rd_GY_ggg.lfs rd_GY_ggg_rg.lfs rd_GY_vfy_ai.lfs rd_GY_vfy.lfs

This release makes improvements to the alignment between the SubAdministrativeArea and the AdministrativeArea fields.

2021Q2.0

SubAdministrativeArea is missing.

Loqate Demonstration UI v2.39.0.15331-0780a2d

Input Data: Organization: Competition And Consumer Affairs Commission, Address1: National Exhibition Site, Sophia, Georgetown, Locality: Sophia, AdministrativeArea: Georgetown, Country: Guyana.

Output: Address Verification Code: P22-155-P0-100, Organization: Competition And Consumer Affairs Comm., Premise: Empty, Building: National Exhibition Site, PostBox: Empty, DependentThoroughfare: Empty, Thoroughfare: Empty, DoubleDependentLocality: Empty, DependentLocality: Empty, Locality: Sophia, SubAdministrativeArea: Empty, AdministrativeArea: Georgetown, SuperAdministrativeArea: Empty, PostalCode: Empty, Country: Guyana.

Server Status: ssOK, Process Status: psOK

2021Q2.1

SubAdministrativeArea and AdministrativeArea is now added and corrected.

Loqate Demonstration UI v2.39.0.15331-0780a2d

Input Data: Organization: Competition And Consumer Affairs Commission, Address1: National Exhibition Site, Sophia, Georgetown, Locality: Sophia, AdministrativeArea: Georgetown, Country: Guyana.

Output: Address Verification Code: P22-155-P0-100, Organization: Competition And Consumer Affairs Comm., Premise: Empty, Building: National Exhibition Site, PostBox: Empty, DependentThoroughfare: Empty, Thoroughfare: Empty, DoubleDependentLocality: Empty, DependentLocality: Empty, Locality: Sophia, SubAdministrativeArea: City Of Georgetown, AdministrativeArea: Demerara - Mahaica, SuperAdministrativeArea: Empty, PostalCode: Empty, Country: Guyana.

Server Status: ssOK, Process Status: psOK

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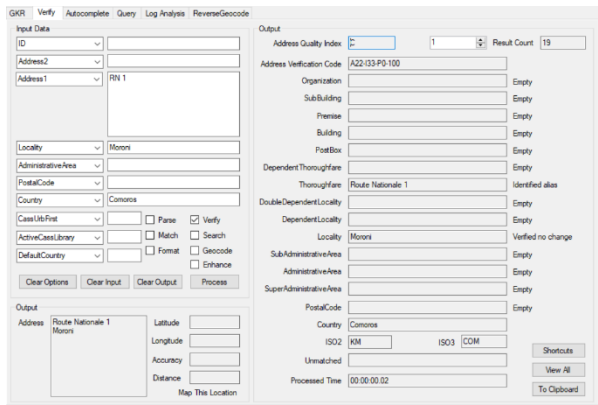
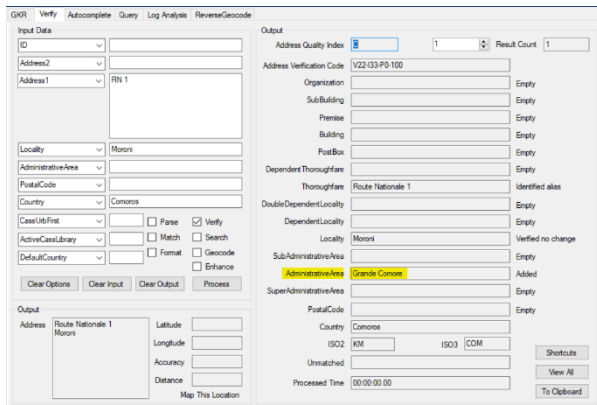
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Comoros (L3)

Country Information	Description
ISO2	KM
ISO3	COM
Address Format	Organization PostBox SubBuilding Building Premise Thoroughfare DependentThoroughfare DoubleDependentLocality DependentLocality Locality
PDH	YES
PDH completed date	2021Q2.1
New Source	NO
Reference Data Pre-PDH	rd_KM.lfs rd_KM_ai.lfs rd_KM_rg.lfs
Reference Data Post-PDH	rd_KM_vfy.lfs rd_KM_vfy_ai.lfs rd_KM_ggg.lfs rd_KM_ggg_rg.lfs

The 2021Q2.1 minor release makes improvements to the verification results within the AdministrativeArea field.

2021Q2.0	2021Q2.1
No AdministrativeArea information. 	AdministrativeArea is added. 

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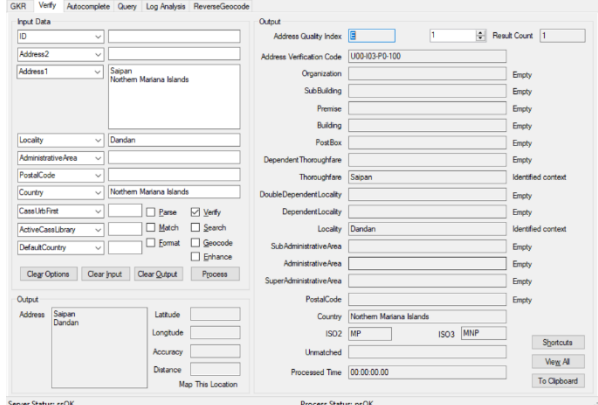
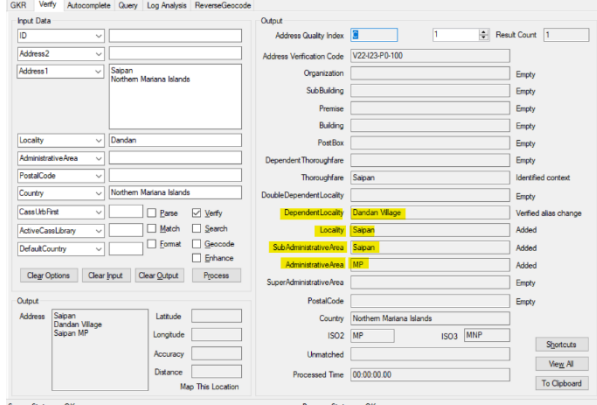
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Northern Mariana Islands (L2)

Country Information	Description
ISO2	MP
ISO3	MNP
Address Format	Organization PostBox SubBuilding Building Premise Thoroughfare DependentThoroughfare DoubleDependentLocality DependentLocality Locality AdministrativeArea PostalCode
PDH	YES
PDH completed date	2021Q2.1
New Source	NO
Reference data Pre-PDH	rd_MP_vfy.lfs rd_MP_vfy_ai.lfs rd_MP_geo.lfs rd_MP_geo_rg.lfs
Reference data Post-PDH	rd_MP_vfy.lfs rd_MP_vfy_ai.lfs rd_MP_ggg.lfs rd_MP_ggg_rg.lfs

The 2021Q2.1 minor release makes improvements to the verification results within the AdministrativeArea, SubAdministrativeArea, Locality, and DependentLocality fields.

2021Q2.0	2021Q2.1
Users may have seen cases where an address is unable to verify. 	Address is verified up to level 2; AdministrativeArea, SubAdministrativeArea, Locality, DependentLocality are now added/verified. 

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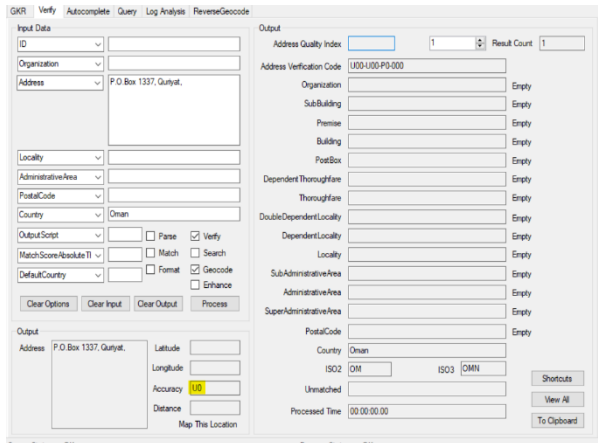
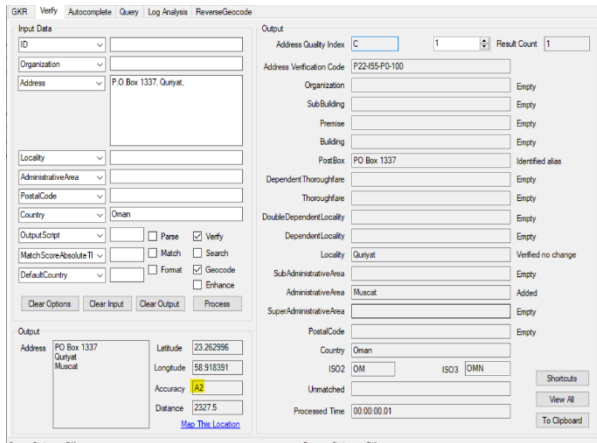
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Oman (L4)

Country Information	Description
ISO2	OM
ISO3	OMN
Address Format	Organization PostBox SubBuilding Building Premise Thoroughfare DependentThoroughfare DoubleDependentLocality DependentLocality PostalCode Locality AdministrativeArea
PDH	YES
PDH completed date	2021Q2.1
New Source	NO
Reference data Pre-PDH	rd_OM.lfs rd_OM_ai.lfs rd_OM_rg.lfs
Reference data Post-PDH	rd_OM_vfy.lfs rd_OM_vfy_ai.lfs rd_OM_ggg.lfs rd_OM_ggg_rg.lfs

Users may have experienced unverifiable addresses. This is now resolved in the 2021Q2.1 minor release. Addresses are now verifiable up to the Locality level (level 2).

2021Q2.0	2021Q2.1
Users may have experienced unverifiable addresses.	Address can now be verified up to level 2; AdministrativeArea & Locality are now added/verified.
	

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South Sudan (L3)

Country Information	Description
ISO2	SS
ISO3	SSD
Address Format	Organization PostBox SubBuilding Building Premise Thoroughfare DependentThoroughfare DoubleDependentLocality DependentLocality PostalCode Locality
PDH	YES
PDH completed date	2021Q2.1
New Source	NO
Reference Data Pre-pdh	rd_SS.lfs rd_SS_ai.lfs rd_SS_rg.lfs
Reference Data Post-pdh	rd_SS_vfy.lfs rd_SS_vfy_ai.lfs rd_SS_ggg.lfs rd_SS_ggg_rg.lfs

Eswatini (L3)

Country Information	Description
ISO2	SZ
ISO3	SWZ
Address Format	Organization PostBox SubBuilding Building Premise Thoroughfare DependentThoroughfare DoubleDependentLocality DependentLocality Locality PostalCode
PDH	YES
PDH completed date	2021Q2.1
New Source	NO
Reference Data Pre-PDH	rd_SZ.lfs rd_SZ_ai.lfs rd_SZ_rg.lfs
Reference Data Post-PDH	rd_SZ_vfy.lfs rd_SZ_vfy_ai.lfs rd_SZ_ggg.lfs rd_SZ_ggg_rg.lfs

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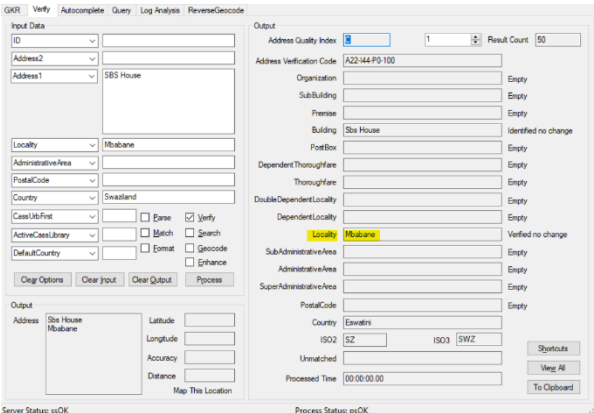
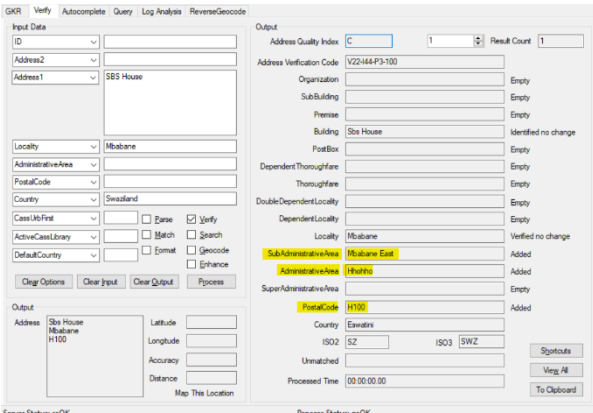
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Eswatini Continued...

Previously addresses may have included up to the Locality level. In the 2021Q2.1 minor release, may now include the following additional information: SubAdministrativeArea, AdministrativeArea, and PostalCode information.

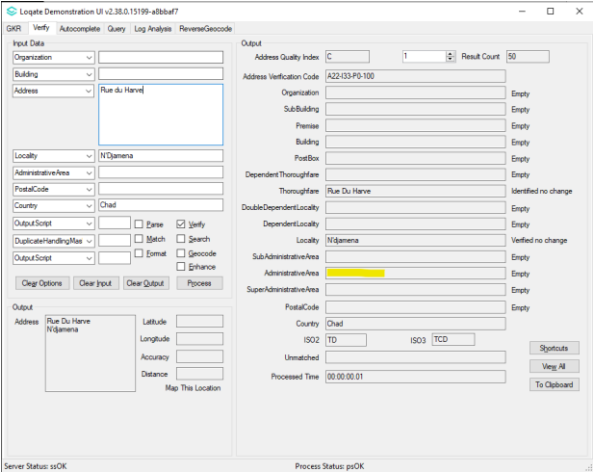
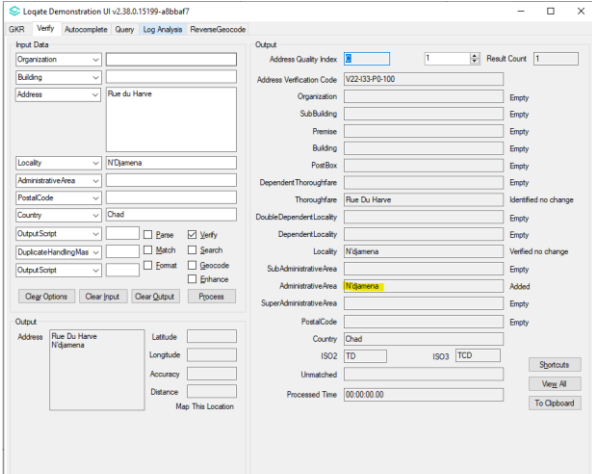
2021Q2.0	2021Q2.1
Addresses may have only included Locality information.	SubAdministrativeArea, AdministrativeArea and PostalCode are added.
	

Chad (L3)

Country Information	Description
ISO2	TD
ISO3	TCD
Address Format	Organization PostBox SubBuilding Building Premise Thoroughfare DependentThoroughfare DoubleDependentLocality DependentLocality Locality
PDH	YES
PDH completed date	2021Q2.1
New Source	NO
Reference Data Pre-PDH	rd_TD.lfs rd_TD_ai.lfs rd_TD_rg.lfs
Reference Data Post-PDH	rd_TD_vfy.lfs rd_TD_vfy_ai.lfs rd_TD_ggg.lfs rd_TD_ggg_rg.lfs

Chad Continued...

Previously users may have seen addresses verified without AdministrativeArea; the 2021Q2.1 minor release now includes the AdministrativeArea information.

2021Q2.0	2021Q2.1
AdministrativeArea info is missing.	AdministrativeArea info is added.
	

Tajikistan (L3)

Country Information	Description
ISO2	TJ
ISO3	TJK
Address Format	Organization PostBox Building SubBuilding Thoroughfare Premise DependentThoroughfare DoubleDependentLocality DependentLocality PostalCode Locality
PDH	YES
PDH completed date	2021Q2.1
New Source	NO
Reference Data Pre-PDH	rd_TJ.lfs rd_TJ_ai.lfs rd_TJ_rg.lfs
Reference Data Post-PDH	rd_TJ_vfy.lfs rd_TJ_vfy_ai.lfs rd_TJ_ggg.lfs rd_TJ_ggg_rg.lfs

This release makes improvements to the verification results in the SubAdministrativeArea and the AdministrativeArea fields.

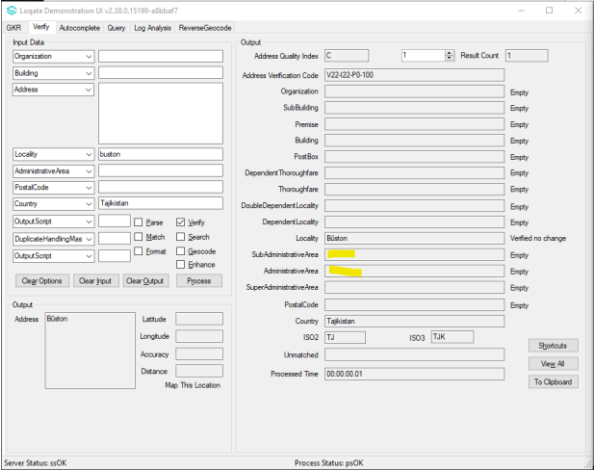
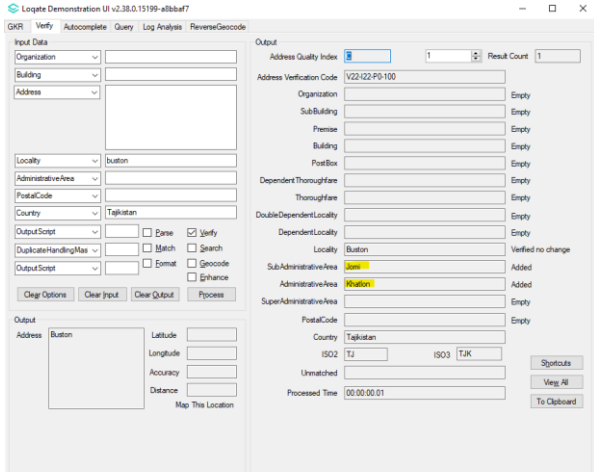
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Tajikistan Continued...

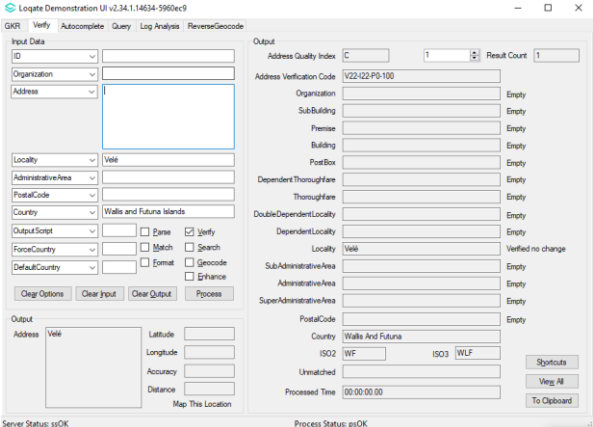
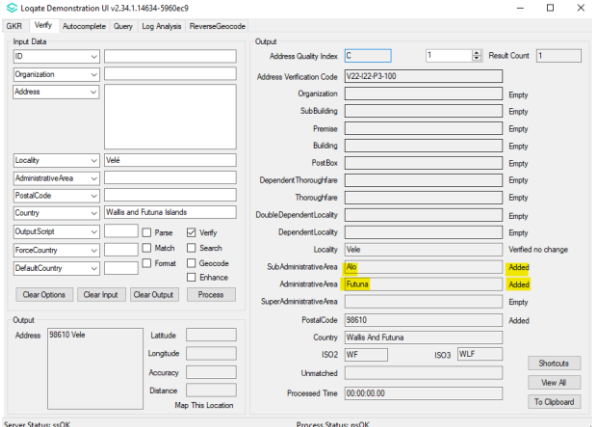
2021Q2.0	2021Q2.1
SubAdministrativeArea and AdministrativeArea info was not found.	SubAdministrativeArea and AdministrativeArea info is added.
	

Wallis and Futuna (L3)

Country Information	Description
ISO2	WF
ISO3	WLF
Address Format	Organization PostBox Building SubBuilding Thoroughfare Premise DependentThoroughfare DoubleDependentLocality DependentLocality PostalCode Locality
PDH	YES
PDH completed date	2021Q2.1
New Source	NO
Reference Data Pre-PDH	rd_WF.lfs rd_WF_ai.lfs rd_WF_rg.lfs
Reference Data Post-PDH	rd_WF_vfy.lfs rd_WF_vfy_ai.lfs rd_WF_ggg.lfs rd_WF_ggg_rg.lfs

This release makes improvements to the verification results within the SubAdministrativeArea and AdministrativeArea fields.

Wallis and Futuna Continued...

2021Q2.0	2021Q2.1
SubAdministrativeArea and AdministrativeArea info was not found.	SubAdministrativeArea and AdministrativeArea info is added.
	

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Knowledge Base & Reference Data Updates

The table below shows which countries have been updated, and how, in this release.
If there is a PDH in the reference data column, this shows a country was included in the country improvement project.

- **Reference Data:** 31 countries
- **Lexicon:** 19 countries
- **Context Rules:** 3 countries

COUNTRY NAME	ISO CODE	CONTEXT RULES	LEXICONS	REFERENCE DATA
AFGHANISTAN	AF			
ÅLAND ISLANDS	AX			
ALBANIA	AL			
ALGERIA	DZ			
AMERICAN SAMOA	AS			X
ANDORRA	AD			
ANGOLA	AO			
ANGUILLA	AI			
ANTARCTICA	AQ			
ANTIGUA AND BARBUDA	AG			
ARGENTINA	AR			
ARMENIA	AM			
ARUBA	AW			
AUSTRALIA	AU		X	X
AUSTRIA	AT			
AZERBAIJAN	AZ			
BAHAMAS	BS			
BAHRAIN	BH			
BANGLADESH	BD			
BARBADOS	BB			
BELARUS	BY			
BELGIUM	BE			
BELIZE	BZ		X	X
BENIN	BJ			
BERMUDA	BM			
BHUTAN	BT			
BOLIVIA (PLURINATIONAL STATE OF)	BO			
BONAIRE, SINT EUSTATIUS AND SABA	BQ			
BOSNIA AND HERZEGOVINA	BA		X	X
BOTSWANA	BW			
BOUVET ISLAND	BV			

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BRAZIL	BR			
BRITISH INDIAN OCEAN TERRITORY	IO			
BRUNEI DARUSSALAM	BN			
BULGARIA	BG			
BURKINA FASO	BF			
BURUNDI	BI			
CABO VERDE	CV			
CAMBODIA	KH			
CAMEROON	CM			
CANADA	CA			
CAYMAN ISLANDS	KY			
CENTRAL AFRICAN REPUBLIC	CF			
CHAD	TD		X	X
CHILE	CL			
CHINA	CN	X	X	
CHRISTMAS ISLAND	CX			
COCOS (KEELING) ISLANDS	CC			
COLOMBIA	CO			
COMOROS	KM		X	X
CONGO	CG			
CONGO, DEMOCRATIC REPUBLIC OF THE	CD			
COOK ISLANDS	CK		X	
COSTA RICA	CR			
CÔTE D'IVOIRE	CI			
CROATIA	HR			
CUBA	CU			
CURAÇAO	CW			
CYPRUS	CY			
CZECHIA	CZ			
DENMARK	DK			
DJIBOUTI	DJ			
DOMINICA	DM			
DOMINICAN REPUBLIC	DO			
ECUADOR	EC			
EGYPT	EG			
EL SALVADOR	SV			
EQUATORIAL GUINEA	GQ		X	X
ERITREA	ER			
ESTONIA	EE			
ETHIOPIA	ET			
FALKLAND ISLANDS (MALVINAS)	FK			
FAROE ISLANDS	FO			

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FIJI	FJ			
FINLAND	FI			
FRANCE	FR			
FRENCH GUIANA	GF			
FRENCH POLYNESIA	PF			
FRENCH SOUTHERN TERRITORIES	TF			
GABON	GA			
GAMBIA	GM			
GEORGIA	GE			
GERMANY	DE			
GHANA	GH			
GIBRALTAR	GI			
GREECE	GR			
GREENLAND	GL			
GRENADA	GD			
GUADELOUPE	GP			
GUAM	GU			X
GUATEMALA	GT			
GUERNSEY	GG			X
GUINEA	GN			
GUINEA-BISSAU	GW		X	X
GUYANA	GY		X	X
HAITI	HT			
HEARD ISLAND AND MCDONALD ISLANDS	HM			
HONDURAS	HN			
HONG KONG	HK			
HUNGARY	HU			
ICELAND	IS			
INDIA	IN			
INDONESIA	ID			
IRAN	IR			
IRAQ	IQ			
IRELAND	IE			
ISLE OF MAN	IM			X
ISRAEL	IL			
ITALY	IT		X	
JAMAICA	JM			
JAPAN	JP			
JERSEY	JE			X
JORDAN	JO			
KAZAKHSTAN	KZ			
KENYA	KE			

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KIRIBATI	KI			
KOREA (DEMOCRATIC PEOPLE'S REPUBLIC OF)	KP			
KOREA, REPUBLIC OF	KR			
KUWAIT	KW			
KYRGYZSTAN	KG			
LAO PEOPLE'S DEMOCRATIC REPUBLIC	LA			
LATVIA	LV			
LEBANON	LB			
LESOTHO	LS			
LIBERIA	LR			
LIBYA	LY			
LIECHTENSTEIN	LI			
LITHUANIA	LT			
LUXEMBOURG	LU			
MACAO	MO			
MADAGASCAR	MG			
MALAWI	MW			
MALAYSIA	MY	X	X	X
MALDIVES	MV			
MALI	ML			
MALTA	MT			
MARSHALL ISLANDS	MH			X
MARTINIQUE	MQ			
MAURITANIA	MR			
MAURITIUS	MU			
MAYOTTE	YT			
MEXICO	MX			
MICRONESIA (FEDERATED STATES OF)	FM			X
MOLDOVA, REPUBLIC OF	MD			
MONACO	MC			
MONGOLIA	MN			
MONTENEGRO	ME			
MONTSERRAT	MS			
MOROCCO	MA			
MOZAMBIQUE	MZ			
MYANMAR	MM			
NAMIBIA	NA			
NAURU	NR			
NEPAL	NP			
NETHERLANDS	NL			
NEW CALEDONIA	NC			

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NEW ZEALAND	NZ			
NICARAGUA	NI			
NIGER	NE			
NIGERIA	NG			
NIUE	NU			
NORFOLK ISLAND	NF			
NORTH MACEDONIA	MK			
NORTHERN MARIANA ISLANDS	MP			X
NORWAY	NO			
OMAN	OM		X	X
PAKISTAN	PK			
PALAU	PW			X
PALESTINE, STATE OF	PS			
PANAMA	PA			
PAPUA NEW GUINEA	PG			
PARAGUAY	PY			
PERU	PE			
PHILIPPINES	PH			
PITCAIRN	PN			
POLAND	PL			X
PORTUGAL	PT			
PUERTO RICO	PR			X
QATAR	QA			
RÉUNION	RE			
ROMANIA	RO			
RUSSIAN FEDERATION	RU			X
RWANDA	RW			
SAINT BARTHÉLEMY	BL			
SAINT HELENA, ASCENSION AND TRISTAN DA CUNHA	SH			
SAINT KITTS AND NEVIS	KN			
SAINT LUCIA	LC			
SAINT MARTIN (FRENCH PART)	MF			
SAINT PIERRE AND MIQUELON	PM			
SAINT VINCENT AND THE GRENADINES	VC			
SAMOA	WS			
SAN MARINO	SM			
SAO TOME AND PRINCIPE	ST			
SAUDI ARABIA	SA			
SENEGAL	SN			
SERBIA	RS			
SEYCHELLES	SC			

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SIERRA LEONE	SL			
SINGAPORE	SG			X
SINT MAARTEN (DUTCH PART)	SX			
SLOVAKIA	SK			
SLOVENIA	SI			
SOLOMON ISLANDS	SB			
SOMALIA	SO			
SOUTH AFRICA	ZA			
SOUTH GEORGIA AND THE SOUTH SANDWICH ISLANDS	GS			
SOUTH SUDAN	SS		X	X
SPAIN	ES			
SRI LANKA	LK			
SUDAN	SD			
SURINAME	SR			
SVALBARD AND JAN MAYEN	SJ			
SWAZILAND	SZ		X	X
SWEDEN	SE		X	
SWITZERLAND	CH			X
SYRIAN ARAB REPUBLIC	SY			
TAIWAN	TW			
TAJIKISTAN	TJ	X	X	X
TANZANIA, UNITED REPUBLIC OF	TZ			
THAILAND	TH			
TIMOR-LESTE	TL			
TOGO	TG			
TOKELAU	TK			
TONGA	TO			
TRINIDAD AND TOBAGO	TT			
TUNISIA	TN			
TURKEY	TR			
TURKMENISTAN	TM			
TURKS AND CAICOS ISLANDS	TC			
TUVALU	TV			
UGANDA	UG			
UKRAINE	UA			
UNITED ARAB EMIRATES	AE			
UNITED KINGDOM	GB			X
UNITED STATES MINOR OUTLYING ISLANDS	UM			
UNITED STATES OF AMERICA	US		X	X
URUGUAY	UY			

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UZBEKISTAN	UZ			
VANUATU	VU			
VATICAN CITY	VA			
VENEZUELA (BOLIVARIAN REPUBLIC OF)	VE			
VIET NAM	VN			
VIRGIN ISLANDS (BRITISH)	VG			
VIRGIN ISLANDS (U.S.)	VI			X
WALLIS AND FUTUNA	WF		X	X
WESTERN SAHARA	EH			
YEMEN	YE			
ZAMBIA	ZM			
ZIMBABWE	ZW			

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Loqate, A GBG Solution

Release Notes – Geographic Hierarchy (Seed) Data 2021Q2.1 Minor Release

Overview

The following document identifies all improvements and changes made to the Seed data files for the Loqate 2021Q2.1 Minor Release.

Case Resolutions

The below section includes a summary of resolved cases in this release.

Case Number	Description	Example of changes
CAS-06747-B7Z8G4	China Locality Primary name standardization for seed file.	Multiple Locality Primary name changed, 3 samples: Before: Shamen; After: Xiamen Before: Xiam; After: Xi'an Before: Jijihaer; After: Qiqihar
CAS-10682-Y1M6V0	China Locality Primary name standardization for seed file.	Multiple Locality Primary name changed, 3 samples: Before: Shamen; After: Xiamen Before: Xiam; After: Xi'an Before: Jijihaer; After: Qiqihar
CAS-03669-V3L9L4	Changed main valid alias for locality, added missing locality, and added one missing PLZ for seed file	Main valid alias for 3 localities changed: Before: Thalheim; After: Thalheim an der Thur Before: Wettswil; After: Wettswil am Albis Before: Glattpark(Opfikon); After: Glattpark Added one missing locality: Dorf, PostalCode=8458 Added PLZ for one locality: Before: Locality 39403 Büdingen<S=LATN><L=DE> +Buesingen -Busingen; After: Locality 39403 Büdingen<S=LATN><L=DE> +Buesingen -Busingen 8238

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Case Number	Description	Example of changes
CAS-50744-P3G6X7; CAS-50751-R1D2Y1	Casing improvement for the following countries: (AD,AE,CU,CY,CZ,DE,EE,GG,GR,IM,IS,KR,LI, LV,MT,MY,PL,RE,RO,SK,SM)	

File Changes

The table below indicates the count of changed rows between the previous major and current release. There are no or nominal changes for all other country files.

Dataset	Count	Description
AU	80	Data refresh. Addition of PostalCodes and entries.
BA	1428	Data refresh. Addition of AdministrativeArea under two SuperAdministrativeArea.
BZ	2	Data refresh. AdministrativeArea name standardized.
CH	163	Case resolution: improvements were made to the alignment and verification results in the Locality and PostalCode fields.
CK	1	Data refresh. Addition of aliases.
CN	81	Case resolution: improvements were made to the Pinyin Versions and English versions of Locality names.
ES	1	Case resolution: Updated the PostalCode for Madrid.
GB	543	Data refresh. Addition of PostalCode and entries.
GG	14	Data refresh.
GW	46	Data refresh. Addition of aliases.
GY	8	Data refresh. Addition of aliases and entries.
IM	137	Data refresh. Addition of PostalCode.
JE	2	Data refresh. Addition of PostalCode.
KM	5	Data refresh. Addition of aliases.
MP	64	All ID have been changed. Introduction of "MP" as AdministrativeArea. Demoted the current AdministrativeArea to SubAdministrativeArea. (This change is reflected in the LogateGeoStructure document).
MY	5547	Data refresh. Case resolution: removed the prefix 'Dvision' from the SubAdministrativeArea.
OM	241	Data refresh. Addition of PostalCode and entries.
PK	2	Data refresh. Addition of aliases.
PL	2875	Case resolution: the alias with " (Gmina)" in the name will be marked as invalid (\$) Case resolution: primary valid names will now be identified with a "M." for aliases that are not " (Gmina)"
SG	64	Data refresh. Addition of PostalCode.
SS	19	Data refresh. Addition of aliases.
SZ	71	Data refresh. Addition of aliases.
TD	238	Data refresh. Addition of aliases.
TJ	1	Data refresh. Addition of aliases.
WF	2	Data refresh.

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Geographic Structure Changes

The following table describe changes to the country structures document.

Dataset	Description												
MQ	Updated local field name values to the following:												
	<table><tr><th>Loqate field</th><th>Previously</th><th>2021Q2.1</th></tr><tr><td>AdministrativeArea</td><td>Region</td><td>Department</td></tr><tr><td>SubAdministrativeArea</td><td>Department</td><td>Arrondissement</td></tr><tr><td>DependentLocality</td><td>Town</td><td>Settlement</td></tr></table>	Loqate field	Previously	2021Q2.1	AdministrativeArea	Region	Department	SubAdministrativeArea	Department	Arrondissement	DependentLocality	Town	Settlement
	Loqate field	Previously	2021Q2.1										
	AdministrativeArea	Region	Department										
	SubAdministrativeArea	Department	Arrondissement										
DependentLocality	Town	Settlement											
MP	Introduction of SubAdministrativeArea field and updated local field name values to the following:												
	<table><tr><th>Loqate field</th><th>Previously</th><th>2021Q2.1</th></tr><tr><td>AdministrativeArea</td><td>Municipality</td><td>Island</td></tr><tr><td>SubAdministrativeArea</td><td></td><td>Municipality</td></tr></table>	Loqate field	Previously	2021Q2.1	AdministrativeArea	Municipality	Island	SubAdministrativeArea		Municipality			
	Loqate field	Previously	2021Q2.1										
	AdministrativeArea	Municipality	Island										
SubAdministrativeArea		Municipality											

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