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Trillium Geolocation - Online Services

Version APR23 / 2023Q2

Release Notes

This document describes the changes that will be made to Trillium Geolocation Online Services in the APR23 / 2023Q2 update. This includes the Trillium Geolocation Web Service (REST and SOAP) and Trillium Geolocation Hosted Servers.

Contents:

Introduction

This document describes the changes that will be made to Trillium Geolocation Online Services in the APR23 / 2023Q2 update.

This includes the Trillium Geolocation Web Service (REST and SOAP) and Trillium Geolocation Hosted Servers.

Software Update Overview

The Trillium Geolocation software used within theTrillium Geolocation Web Service and Trillium Geolocation Hosted Servers will be updated to the latest version as part of this update.

The changes include updates to several third-party software components to improve application security and stability.

There are no API changes in this release.

Data Update Overview

The APR23 / 2023Q2 data update includes updated postal reference data tables for 100+ countries and territories and updated geocode (latitude / longitude) reference data tables for 100+ countries and territories.

This update includes changes to the suppliers of Postal Reference Data for Albania, Bosnia and Herzegovina, Croatia, North Macedonia, Romania and Serbia. The new data includes street level coverage for some parts of each country.

This update also includes improved geocode (latitude / longitude) coverage for Brazil, Brunei Darussalam, Indonesia, Malaysia, Mauritius and Türkiye. The changes include 'address point' coordinates where available (house / property level coordinates specific to an address rather than derived by interpolation), generally improved coverage, and the addition of building names. These changes use improved data from the existing data supplier.

This update also includes improved sub-building coverage for the United Kingdom.

For further details of these changes please see the remainder of this document. These data updates will be applied to the Trillium Geolocation Web Service and Trillium Geolocation Hosted Servers automatically.

Any technical queries about Trillium Geolocation should be directed to the support team through the **Precisely Support Website**.

Postal Reference Data Tables

Trillium Geolocation uses postal reference data tables for address verification, correction and searching.

Updates

The Trillium Geolocation APR23 / 2023Q2 Data Update contains updated postal reference data tables for the following countries and territories:

Afghanistan

Albania

Angola

Argentina

Armenia

Australia

Austria

Belarus

Belgium

Bermuda

Bolivia

Bosnia and Herzegovina

Brazil

Bulgaria (Latin)

Bulgaria / България (Cyrillic)

Burkina Faso

Cameroon

Canada

Chad

Chile

Colombia

Côte d'Ivoire

Croatia

Cyprus

Czechia

Denmark

Djibouti

Egypt

Ethiopia

Finland

France

French Guiana

Gabon

Germany

Greece (Latin)

Greece / ΕΛΛΑΣ (Hellenic)

Greenland

Guadeloupe

Guam

Guernsey

Heard Island and McDonald Islands

Hong Kong (Latin)

Hong Kong / 香港 (Chinese)

Hungary

Iceland

Indonesia

Iran

Iraq

Ireland

Isle of Man

Israel

Italy

Japan (Latin)

Japan / ﾆﾎﾝ (Katakana)

Japan / 日本 (Kanji)

Jersey

Kazakhstan

Latvia

Libya

Liechtenstein

Luxembourg

Macao (Latin)

Macao / 澳門 (Chinese)

Malaysia

Malta

Martinique

Mauritania

Mayotte

Mexico

Monaco

Myanmar

Namibia

Nepal

Netherlands

New Zealand

North Korea

North Macedonia

Norway

Poland

Portugal

Puerto Rico

Qatar

Réunion

Romania

Russian Federation (Latin)

Russian Federation / Российская Федерация (Cyrillic)

Rwanda

Saint Martin

Saint Pierre and Miquelon

San Marino

Saudi Arabia

Serbia

Singapore

Slovakia

Slovenia

South Africa

South Korea (Latin)

South Korea / 대한민국 (Hangul)

Spain

Sudan

Sweden

Switzerland

Syria

Thailand (Latin)

Thailand / ไทย (Thai)

United Arab Emirates

United Kingdom

United States

United States Virgin Islands

Western Sahara

Yemen

Geocode (Latitude / Longitude) Tables

Trillium Geolocation uses geocode (latitude / longitude) tables to append co-ordinates to addresses.

Updates

The Trillium Geolocation APR23 / 2023Q2 Data Update contains updated geocode (latitude / longitude) data tables for the following countries and territories:

Albania

Algeria

Argentina

Armenia

Australia

Austria

Bahamas

Bahrain

Belarus

Belgium

Bosnia and Herzegovina

Botswana

Brazil

Brunei Darussalam

Bulgaria (Latin)

Bulgaria / България (Cyrillic)

Canada

Chile

Colombia

Croatia

Cyprus

Czechia

Denmark

Egypt

Finland

France

French Guiana

Germany

Greece (Latin)

Greece / ΕΛΛΑΣ (Hellenic)

Guam

Hong Kong (Latin)

Hong Kong / 香港 (Chinese)

Hungary

Iceland

India

Indonesia

Ireland

Isle of Man

Israel

Italy

Japan (Latin)

Japan / 日本 (Kanji)

Jersey

Jordan

Kazakhstan

Kosovo

Kuwait

Latvia

Lebanon

Lesotho

Liechtenstein

Lithuania

Luxembourg

Macao (Latin)

Macao / 澳門 (Chinese)

Malaysia

Malta

Mauritius

Mexico

Moldova

Monaco

Montenegro

Morocco

Mozambique

Namibia

Nepal

Netherlands

New Zealand

Nigeria

North Macedonia

Norway

Oman

Peru

Poland

Portugal

Puerto Rico

Qatar

Réunion

Romania

Russian Federation (Latin)

Russian Federation / Российская Федерация (Cyrillic)

San Marino

Saudi Arabia

Serbia

Singapore

Slovakia

Slovenia

South Africa

Spain

Swaziland

Sweden

Switzerland

Taiwan (Latin)

Taiwan / 臺灣 (Traditional Chinese)

Thailand (Latin)

Thailand / ไทย (Thai)

Tunisia

Türkiye

Ukraine

United Arab Emirates

United Kingdom

United States

United States Virgin Islands

Uruguay

Vatican

Venezuela

Enhancement Tables

Trillium Geolocation uses enhancement tables to append other address-related information to addresses.

Updates

The Trillium Geolocation APR23 / 2023Q2 Data Update contains updates for the following enhancement tables:

France INSEE Codes (FRAinsee)

United Kingdom DPS (GBRdps)

Knowledge Base

Trillium Geolocation uses the Knowledge Base to parse input addresses, identify address components, validate address components, perform address searching, correctly format output addresses, and assign geocodes (latitude / longitude coordinates), and other enhancements to addresses.

The Trillium Geolocation APR23 / 2023Q2 Data Update contains Knowledge Base improvements for the following countries and territories:

Albania

The parsing process for Albania has been updated to improve the recognition of street type identifiers. City name aliases have also been update for the city of *Krujë* in order to use the preferred Albanian spelling.

The parsing changes align with the new postal address table for Albania introduced in this release – see the 'Data Update Overview' section of this document for more details.

Bosnia and Herzegovina

The parsing process for Bosnia and Herzegovina has been updated to improve the recognition of street type identifiers and more forms of house number.

The parsing changes align with the new postal address table for Bosnia and Herzegovina introduced in this release – see the 'Data Update Overview' section of this document for more details.

Brazil

The geocode (latitude/ longitude) table for Brazil has been improved by the addition of building names, address point data where available (house / property level coordinates specific to an address rather than derived by interpolation), and generally improved coverage.

Brunei Darussalam

The geocode (latitude/ longitude) table for Brunei Darussalam has been improved by the addition of building names, address point data where available (house / property level coordinates specific to an address rather than derived by interpolation), and generally improved coverage.

Colombia

The parsing process for Colombia has been updated to improve the recognition of street types and street names containing numbers, for example *Av Carrera 24 74a*.

An issue with the geocode (latitude / longitude) table, which resulted in latitudes very close to the equator being incorrectly returned as zero, has also been corrected.

Croatia

The overall parsing process for Croatia has been reviewed and updated in this release. The changes include better recognition of regions, city names, company names, street names, house numbers and more types of address layout.

The parsing changes align with the new postal address table for Croatia introduced in this release – see the 'Data Update Overview' section of this document for more details.

Cyprus

The data build process for the postal address table for Cyprus has been updated to include an additional alias *Dali* for the city *Idalion*.

France

An issue with the geocode (latitude / longitude) table for France, which resulted in longitudes very close to the prime meridian being incorrectly returned as zero, has been corrected.

Guernsey

The parsing of addresses for Guernsey has been updated to resolve ambiguities between the use of *Guernsey* as a country name and its use by Royal Mail as a postal city name.

In addition, further improvements have been made to the parsing process to align more closely with the United Kingdom. This change applies to multiple address components.

Hungary

The parsing process for Hungary has been updated to improve the formatting of region names.

Indonesia

The geocode (latitude/ longitude) table for Indonesia has been improved by the addition of building names, address point data where available (house / property level coordinates specific to an address rather than derived by interpolation), and generally improved coverage.

Isle of Man

The parsing of addresses for the Isle of Man has been updated to resolve ambiguities between the use of *Isle of Man* as a country name and its use by Royal Mail as a postal city name.

In addition, further improvements have been made to the parsing process to align more closely with the United Kingdom. This change applies to multiple address components.

Jersey

The parsing of addresses for Jersey has been updated to resolve ambiguities between the use of *Jersey* as a country name and its use by Royal Mail as a postal city name.

In addition, further improvements have been made to the parsing process to align more closely with the United Kingdom. This change applies to multiple address components.

Malaysia

The parsing process for Malaysia has been updated with additional aliases for multiple cities to align with the transliterations used in the current postal address data.

The geocode (latitude/ longitude) table for Malaysia has been improved by the addition of building names, address point data where available (house / property level coordinates specific to an address rather than derived by interpolation), and generally improved coverage.

Mauritius

The geocode (latitude/ longitude) table for Mauritius has been improved by the addition of building names, address point data where available (house / property level coordinates specific to an address rather than derived by interpolation), and generally improved coverage.

Netherlands

The parsing process for the Netherlands has been updated to use the correct name for the municipality *De Trieme*, following a recent official name change.

New Zealand

The postal address table for New Zealand has been extended with correctly formed Māori place names that include macrons, such as *Te Ākau* and *Ōkaihau*. This change uses extended data from the existing supplier.

North Macedonia

The parsing process for North Macedonia has been updated to improve the recognition of street type identifiers.

The parsing changes align with the new postal address table for North Macedonia introduced in this release – see the 'Data Update Overview' section of this document for more details.

Romania

The parsing process for Romania has been updated to improve the recognition of street type identifiers.

The parsing changes align with the new postal address table for Romania introduced in this release – see the 'Data Update Overview' section of this document for more details.

Serbia

The parsing process for Serbia has been updated to improve the recognition of street type identifiers.

The parsing changes align with the new postal address table for Serbia introduced in this release – see the 'Data Update Overview' section of this document for more details.

Spain

An issue with the geocode (latitude / longitude) table for Spain, which resulted in longitudes very close to the prime meridian being incorrectly returned as zero, has been corrected.

Türkiye

The geocode (latitude/ longitude) table for Türkiye has been improved by the addition of building names, address point data where available (house / property level coordinates specific to an address rather than derived by interpolation), and generally improved coverage.

United Kingdom

The parsing process for the United Kingdom has been updated to correct the proper casing of island names that contain the word *of*, which should appear in lower case. For example: *Isle of Arran*, *Isle of Jura*, and so on.

The postal address table for the United Kingdom has been improved with additional sub-building and unit information beyond the recognized postal 'delivery points'. This change adds approximately 890,000 addresses to the postal address table. It uses additional data from the existing data supplier.

An issue with the geocode (latitude / longitude) table, which resulted in longitudes very close to the prime meridian being incorrectly returned as zero, has also been corrected.

United States

The postal address table for the United States has been updated with correct addresses for locations that are served by a post office in a neighboring state. This scenario means that the ZIP code for the address belongs to a different state. This change uses new data supplied by the existing data supplier.

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