# Geocoder API

## Release Notes

### Version 6.2.85

# Contents

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# Document Information

| | |
|---|---|
| **Product** | |
| Name: | Geocoder API |
| Version: | Version 6.2.85 |

| | |
|---|---|
| **Document** | |
| Name: | Geocoder API Release Notes |
| Id: | 9b09785-1435250417 |
| Status: | FINAL |
| Date: | 2015-Jun-25, 16:43 (GMT) |

# Chapter 1

# Overview

**Topics:**



The scope of this document is to provide the release notes for the Geocoder API for a particular release version. It also includes the issues resolved and issues remaining in this release.

# D58 Highlights

- We provide weekly map updates based on Stable Baseline. The baseline is currently 2015Q2 data. This includes Russia and Ukraine.
- We updated Russia and Ukraine from 2014Q3 to 2015Q2 map version. Crimea remains part of Ukraine.
- Spain: Better support for regional languages. Spanish translations of street types for Catalan speaking regions are now supported.
- Spain: The Geocoder supports now addressline-only search for Spain. Users can search for addresses without any locality indication.
- Other enhancements and bug fixes

# Chapter 2

# Release Major Changes

**Topics:**



This section documents major changes to the release that may require users to change their applications and/or associated map data.

# API Changes

There are no API changes in this release.

# Map Data Version

The Geocoder provides weekly map updates based on Stable Baseline. The current map base line is 2015Q2. The following exceptions exist:

- Hong Kong remains at 2014Q2.
- China, Macau updated to 2014Q4.

# Chapter 3

# D58 Issues

**Topics:**



This section lists resolved issues and enhancements in the current release. It also lists known issues in the current release.

# Resolved Issues

The following table contains resolved issues. The list summarizes major resolved issues relevant for a broad audience.

| # | Description |
|---|---|
| 1 | Show East Jerusalem as part of West Bank<br><br>Results now show East Jerusalem internationally as part of the West Bank region. A new Israeli view is made available to see the Israeli admin hierarchy in this area using `&politicalview=ISR`.<br><br>**International view of East Jerusalem (default)**<br><br>**Query:**<br><br>`&prox=31.766327,35.2453382,1000`<br><br>**Previous Result:**<br><br>`label: "Silwan, Jerusalem, Israel"`<br>`country: ISR`<br>`state: Jerusalem`<br>`county: Jerusalem`<br>`city: Jerusalem`<br>`district: Silwan`<br>`postalCode: 90000`<br><br>**Current Result:**<br><br>`label: "East Jerusalem"`<br>`state: West Bank`<br>`county: Jerusalem`<br>`city: East Jerusalem`<br><br>**Israeli political view of East Jerusalem**<br><br>**Query:**<br><br>`&prox=31.766327,35.2453382,1000&politicalview=ISR`<br><br>**Result:**<br><br>`label: "Silwan, Jerusalem, Israel"`<br>`country: ISR`<br>`state: Jerusalem`<br>`county: Jerusalem`<br>`city: Jerusalem`<br>`district: Silwan`<br>`postalCode: 90000` |
| 2 | Unit designator in USA address query leads to wrong results<br><br>The Geocoder misinterprets the unit designator "Fl 2nd" and returns a wrong result. This is fixed now.<br><br>**Query:**<br><br>`searchtext=162 Columbus Ave, Fl 2nd, Boston, MA, USA`<br><br>**Result:** |

| # | Description |
|---|---|
| | Two matches outside of Boston:<br>`label: "162 Columbus Ave, Salem, MA 01970, United States", country: "USA", state: "MA", county: "Essex", city: "Salem", street: "Columbus Ave", houseNumber: "162", postalCode: "01970",`<br>`label: "162 Columbus Ave, Waltham, MA 02451, United States", country: "USA", state: "MA", county: "Middlesex", city: "Waltham", district: "Bank Square", street: "Columbus Ave", houseNumber: "162", postalCode: "02451",`<br>**Expected:**<br>Single match in Downtown Boston:<br>`label: "162 Columbus Ave, Boston, MA 02116, United States", country: "USA", state: "MA", county: "Suffolk", city: "Boston", district: "Downtown Boston", street: "Columbus Ave", houseNumber: "162", postalCode: "02116",` |
| 3 | Netherlands: For extended postal codes, the Geocoder is to return coordinates from the Postal Code Points source instead of generated coordinates.<br>The Geocoder returned a generated centroid coordinate for extended postal codes in the Netherlands. Now the Geocoder takes the coordinate from the Postal Code Points source. There was no particular reason for returning a generated coordinate. The old generated and the new source coordinate are typically only a few streets apart but client applications might note the difference in some cases.<br>**Example:**<br>**Query:**<br>`searchtext=1011 AE`<br>**Previous Result:**<br>`displayPosition: { latitude: 52.37538, longitude: 4.90869 },`<br>**Current Result:**<br>`displayPosition: { latitude: 52.37569, longitude: 4.90765 },` |

# Enhancements

The following table contains enhancements.

| # | Description |
|---|---|
| 1 | Spain: Spanish street type translations are added for Catalan street names<br><br>The Geocoder now matches Spanish street type translations to Catalan street names. This allows users to use either the Catalan or the Spanish street type in queries. The result always shows the Catalan language variant, which is the default for the region.<br><br>**Example:**<br><br>**Query:**<br><br>`searchtext=Calle LAS AGUDAS NO 83 BARCELONA`<br><br>**Previous Result:** no match<br><br>**Current Result:**<br><br>`label: "Carrer de les Agudes, 83, 08033 Barcelona (Barcelona), Espanya"`<br><br>Note: The same support is planned for Basque and Galician regions. Also planned is the support of Spanish translations for Catalan, Basque, and Galician street names. |
| 2 | Spain: Additional street type abbreviations for Spain<br><br>The following additional street type abbreviations for "Calle" are now supported: : "C.", "C", "C/". Before, the Geocoder matched these names with low confidence and applied a penalty to `Relevance` and `MatchQuality street`. Now it is a high confident match without penalty.<br><br>**Example:**<br><br>**Query:**<br><br>`searchtext=C/ de San Vicente Martir, 47, Valencia`<br><br>**Previous Result:**<br><br>`relevance: 0.95,`<br>`matchLevel: "houseNumber",`<br>`matchQuality: {`<br>`city: 1,`<br>`street: [`<br>`0.92`<br>`],`<br>`houseNumber: 1,`<br>`postalCode: 1`<br>`},`<br>`...`<br>`address: {`<br>`label: "Calle de San Vicente Mártir, 47, 46002 Valencia (Valencia), Spain",`<br>`...`<br>`}` |

| # | Description |
|---|---|
| | **Current Result:**<br>`relevance: 1, matchLevel: "houseNumber", matchQuality: { city: 1, street: [ 1 ], houseNumber: 1, postalCode: 1 }, ... address: { label: "Calle de San Vicente Mártir, 47, 46002 Valencia (Valencia), Spain", ... }` |
| 3 | Spain: Match rate and match precision improvements with addressline-only support<br>Addressline-only queries are now supported for Spain. Addresses from queries without locality (district, city) or postal code and without additional user context (map view) can now be found.<br>**Examples**:<br>`searchtext=Avenida diagonal 617`<br>**Previous Result:** no match<br>**Current Result**:<br>`matchQuality: { street: [ 1 ], houseNumber: 1 }, ... address: { label: "Avinguda Diagonal, 617, 08028 Barcelona (Barcelona), Spain", ... }`<br>Addressline-only queries are now supported for the following countries: Belgium, Canada, China, Estonia, Hong Kong, Latvia, Macao, Mexico, Russia, Spain, Turkey |
| 4 | Map update for Russia and Ukraine from 2014Q3 to 2015Q2<br>Crimea remains part of Ukraine. This means results show the Crimean and not the Russian administrative structure. The Geocoder currently does not provide a political view on Crimea for Russia. |
| 5 | Location Id algorithm changed making Ids more stable<br>Every Geocoder response contains a `LocationID` that can be used to look up an address again at a later time. It can also be used to look up additional information like an admin shape for the location or to retrieve a different representation of the location like the address in a different language. The `LocationID` is a hash code generated from address components. The `LocationID` is not guaranteed to be permanent across map versions. The following example uses the `LocationID` to retrieve the city shape together with location information:<br>`http://geocoder.cit.api.here.com/6.2/geocode.xml` |

| # | Description |
|---|---|
| | ?locationid=NT_EQ4w1APBkCW.jayxDwzoBB_xA<br>&additionaldata=IncludeShapeLevel,city<br>&app_id=inwresuveWra5ebewaSweh<br>&app_code=zBWCuMTr-PrXwr6pc5uqLg |

# Known Issues

The following table lists issues known to be present in the current release of the Geocoder API.

| # | Description |
|---|---|
| 1 | Taiwan Geocoding - Island Names are not able to be geocoded - Q2 2013 TWN Map improvements<br>Islands to be considered as part of Taiwan. |
| 2 | Taiwan - Street Fallback - Returning the Best Candidate<br>If an address is not in the map, either a house number fallback or up-hierarchy street level match is expected. But in some cases, the Geocoder returns an address in the wrong street or lane.<br>**Example**:<br>彰化縣彰化市介壽北路1號<br>House number 1 is not in the map data. The result is therefore a fallback to house number 19:<br>No. 19, Jie Shou N. Rd., Changhua City, Changhua County 500, Taiwan<br>But if a house number fallback is not accepted (parameter: additionaldata=HouseNumberMode,Streetlevel), then the result is expected to be a street level match:<br>Jie Shou N. Rd., Changhua City, Changhua County 500, Taiwan<br>The current response is an address match in a different – though close - street (South instead of North) and in a lane while the request did not specify a lane:<br>No. 1, Lane 36, Jie Shou S. Rd., Changhua City, Changhua County 500, Taiwan |
| 3 | China: Reverse Geocoder `retrieveAreas` response not aligned with `mode=retrieveAddresses`<br>The Reverse Geocoder `retrieveAreas` response is not aligned with the response from `retrieveAddresses` and Forward Geocoder. City and district names are only available in Chinese, the county information is incorrect and state is empty (should be Chinese provinces). |
| 4 | Labels for highway exits do not include the exit number<br>The label only contains the highway name.<br>Workaround: Use highway name and exit number from the Name field. |
| 5 | The navigation coordinate in the response for Hong Kong building name matches is not always correct. It is the same as the display coordinate. Only when the query matches a house number in addition to the building name (`MatchQuality` element `houseNumber` exists in the result), the navigation coordinate is correct. |

| # | Description |
|---|---|
| | **Example:**<br>The queries<br>Shek Wu Shui Baptist Chapel, Hong Kong<br>and<br>Shek Wu Shui Baptist Chapel, 33 Fu Hing St, Hong Kong<br>both match to the same address. But the navigation coordinate is correct for the latter query only. |

# Chapter 4

# Disputed Borders

**Topics:**



The following section provides information about the support of disputed borders. It shows how to use political views and lists the currently supported disputes.

# Political Views

## Description

The Geocoder provides a feature that can show available territories through the point of view of particular countries.

A neutral international view is made available by default, where territories may have unresolved claims.

## Examples

Below is an example of the Kashmiri city of “Srinagar”. The Geocoder now represents this neutrally for the International community. India and Pakistan have their own particular views available for this locality using the parameter `&politicalview=` and their respective 3-Letter ISO country codes.

**International View of “Srinagar” (default)**

**Query**:

```
&prox=34.0922244,74.8193568,1000
```

**Previous Result**:

```
Label: "Ganderbal Road, Khaniyar, Srinagar 190003, India",
Country: "IND",
State: "JK",
County: "Srinagar",
City: "Srinagar",
District: "Khaniyar",
Street: "Ganderbal Road",
PostalCode: "190003",
```

**Current Result**:

Empty response (neutral territory)

**Indian Political View of “Srinagar”**

**Query**:

```
&prox=34.0922244,74.8193568,1000&politicalview=IND
```

**Result**:

```
Label: "Ganderbal Road, Khaniyar, Srinagar 190003, India",
Country: "IND",
State: "JK",
County: "Srinagar",
City: "Srinagar",
District: "Khaniyar",
Street: "Ganderbal Road",
PostalCode: "190003",
```

**Pakistani Political View of "Srinagar"**

**Query**:

```
&prox=34.0922244,74.8193568,1000&politicalview=PAK
```

**Result**:

```
Label: "190003, Pakistan",
Country: "PAK",
PostalCode: "190003",
```

## Currently Supported Disputes

The following views are currently supported:

- ARG: Argentina
- GRE: Greece
- IND: India
- PAK: Pakistan
- VNM: Vietnam
- ISR: Israel view on East Jerusalem

For any political view that is unsupported the Geocoder falls back to the default view. For example, `politicalview=USA` or `politicalview=FRA` does not impact a response in any way.

| Name | Example Reverse Geocoder Coordinates | Political View Support | Description |
|---|---|---|---|
| **Northern Arunachal Pradesh** | 28.6512526, 95.2272352 | default, IND | Default = Neutral territory (empty response)<br>IND = Part of the Indian State of Arunachal Pradesh |
| **Falkland Islands** | -51.6958016, -57.8529192 | default, ARG | Default = Falklands Islands |

| Name | Example Reverse Geocoder Coordinates | Political View Support | Description |
|---|---|---|---|
| | | | ARG = Part of Argentina's "Tierra Del Fuego" |
| **(Indian-Chinese Border)Kaurik** | 32.2112327, 78.5563334 | default, IND | Default = Neutral territory (empty response)<br>IND = Part of the Indian State of Himachal Pradesh |
| **(Indian-Chinese Border)Lapthal** | 30.7338287, 80.1058805 | default, IND | Default = Neutral territory (empty response)<br>IND = Part of the Indian State of Uttarakhand |
| **(Indian-Chinese Border)Sang** | 31.2917262, 79.0702687 | default, IND | Default = Neutral territory (empty response)<br>IND = Part of the Indian State of Uttarakhand |
| **(Kashmir)Aksai Chin** | 35.1355791, 79.0428155 | default, IND, PAK | Default = Neutral territory (empty response)<br>IND = Part of the Indian State of Jammu & Kashmir<br>PAK = Seen as a part of China |
| **(Kashmir)Azad Kashmir** | 33.9430273, 73.8271172 | default, IND, PAK | Default = Neutral territory (empty response)<br>IND = Part of the Indian State of Jammu & Kashmir<br>PAK = Seen as a part of Pakistan |
| **(Kashmir)Gilgit-Baltistan** | 35.8260676, 75.0474641 | default, IND, PAK | Default = Neutral territory (empty response)<br>IND = Part of the Indian State of Jammu & Kashmir<br>PAK = Seen as a part of Pakistan |
| **(Kashmir)Pa-li-chia-ssu** | 33.257519, 79.2483097 | default, IND, PAK | Default = Neutral territory (empty response)<br>IND = Part of the Indian State of Jammu & Kashmir<br>PAK = Seen as a part of Pakistan |
| **(Kashmir)Shaksam Valley** | 36.0928479, 76.3108918 | default, IND, PAK | Default = Neutral territory (empty response)<br>IND = Part of the Indian State of Jammu & Kashmir<br>PAK = Seen as a part of China |
| **(Kashmir)State of Jammu & Kashmir** | 33.5625116, 76.9892775 | default, IND, PAK | Default = Neutral territory (empty response)<br>IND = Part of the Indian State of Jammu & Kashmir<br>PAK = Seen as a part of Pakistan |

| Name | Example Reverse Geocoder Coordinates | Political View Support | Description |
|---|---|---|---|
| **(Golan Heights) UN Buffer Zone** | 33.2053155, 35.8740408 | default | Default = Neutral territory (empty response) |
| **(Argentinian-Chilean Border) South Patagonian Ice Field** | -49.4286077, -73.2129860 | default | Default = Neutral territory (empty response) |
| **Paracel Islands** | 16.2438621, 111.7561099 | default, VNM | Default = Neutral territory (empty response)<br>VNM = Vietnamese Islands |
| **Spratly Islands** | 7.6808132, 111.5774475 | default, VNM | Default = Neutral territory (empty response)<br>VNM = Vietnamese Islands |
| **Suriname-French Guiana Triangle** | 2.8357961, -54.1090861 | default | Default = Neutral territory (empty response) |
| **Suriname-Guyana Triangle** | 2.1528005, -57.3365359 | default | Default = Neutral territory (empty response) |
| **Macclesfield Bank** | 15.8434538, 114.3056814 | default | Default = Neutral territory (empty response) |
| **Scarborough Shoal** | 15.4895344, 113.8210957 | default | Default = Neutral territory (empty response) |
| **James Shoal** | 3.973889, 112.348889 | default | Default = Neutral territory (empty response) |
| **Kuril Islands (Shikotan, Iturup, Habomai, and Kunashir)** | 45.1279501, 147.80728 (Iturup) | default | Default = Neutral territory (empty response) |
| **Senkaku/Diaoyutai** | 25.7446986, 123.4709205 | default | Default = Neutral territory (empty response) |
| **West Bank** | 31.9998544, 35.2998283 | default | Default = No Country |
| **East Jerusalem** | 31.766327, 35.2453382 | default, ISR | Default = As part of West Bank<br>ISR = As part of Israel |
| **Northern Cyprus** | 35.2453975, 33.3968783 | default, GRE | Default = Independent of Cyprus<br>GRE = As a part of Cyprus |
| **Cyprus UN Neutral Zone** | 35.1691202, 33.2394362 | default | Default = UN Neutral Zone |
| **Cyprus British Bases** | 34.6024439, 32.9538086 | default | Default = British Sovereign BSB Areas |
| **Kinmen Islands** | 24.4642701, 118.3791237 | default | Default = Taiwanese Islands |
| **Matsu Islands** | 26.2238182, 119.9946911 | default | Default = Taiwanese Islands |
| **Kosovo** | 42.6718168, 21.1624711 | default | Default = No Country |