

Geocoder API

Release Notes

Version 6.2.110

here

Important Information

Notices

Topics:

- [Legal Notices](#)
- [Document Information](#)

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Document Information

Product

Name:	Geocoder API
Version:	Version 6.2.110

Document

Name:	Geocoder API Release Notes
Id:	25c9349-1459941621
Status:	FINAL
Date:	2016-Apr-06, 11:22 (GMT)
Signatory:	O=HERE, CN=here.com, ST=Berlin, C=DE
Issuer-Certificate:	O=HERE, CN=here.com, ST=Berlin, C=DE
Serial-No.:	17391143833054135595
method:	urn:adobe.com:Adobe.PPKLite:adbe.pkcs7.sha1 (Adobe Signature)

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Chapter 1

Overview

Topics:

- [D67 Highlights](#)

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.

D67 Highlights

- Added support for street intersection search in Mexico and other Spanish and Portuguese speaking countries.
- Improved address search in the six historical districts of Venice, Italy.
- Improved administrative mapping and address label format in Belarus.
- Other enhancements and bug fixes.

Chapter 2

Release Major Changes

Topics:

- [API Changes](#)
- [Map Data Version](#)

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 baseline for the map schema is currently 2015Q1. Weekly map data updates are based on 2016Q1 data releases.

The exceptions are as follows:

- Hong Kong and Macau remain at 2015Q3. Not updated weekly.

China mainland and Macau maps in the Geocoder API

- For International users the navigable map is an entry level map with major city coverage.
- The China mainland map and the Macau map use un-shifted coordinates.

Here is what "shifted" and "un-shifted" means:

- Shifted: GCJ-02 coordinates. GCJ-02 is a coordinate system that follows Chinese regulations where coordinates based on WGS-84 standard are offset by a few hundred meters using a special shifting algorithm.
- Un-shifted: GPS coordinates expressed using WGS-84 standard.

All maps for China mainland, Macau, and Hong Kong that are provided to International users are un-shifted in the Geocoder API.

Geocoder results contain map version information in the `MapReference` section if requested via `locationattributes=mapReference`.

`MapVersion`: Version of the **map schema**. Format: `QQ/YYYY`, e.g. `Q1/2015`

`MapId`: Version of the **map data**. Map version details containing the baseline for the map schema and an identifier for the weekly update. Format: `<4-letter region>YYQ<weekly update>`. Example: `NAAM15163` (region: North America (NAAM), map schema: Q1/2015 (151), weekly update 63)

Chapter 3

D67 Issues

Topics:

- [Resolved Issues](#)
- [Enhancements](#)
- [Known Issues](#)

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	<p>City name in response not matching the city name in the input.</p> <p>By default, the Geocoder responds with the street and administrative name that matches to the query so that the user can recognize the result.</p> <p>In some cases this did not happen and the Geocoder answered with the normalized city name. This is fixed.</p> <p>Example:</p> <p>Query:</p> <pre>searchtext=853 Swarthmore Ave, Los Angeles, CA 90272, United States</pre> <p>Previous result:</p> <p>The city name is the official administrative name and not the alternative name Los Angeles that the user provided in the query.</p> <pre>label: 853 Swarthmore Ave, Pacific Palisades, CA 90272, United States address.city: Pacific Palisades</pre> <p>Current result:</p> <pre>label: 853 Swarthmore Ave, Los Angeles, CA 90272, United States address.city: Los Angeles</pre> <p>Note: The normalized name is still available with <code>additionaldata=NormalizeNames,true</code>. This behavior has not changed.</p>
2	<p>Forward geocoding addresses without a <code>politicalView</code> parameter or with <code>politicalView=PAK</code> exposes data from the Indian view.</p> <p>Postal codes from regions of India that are currently in dispute were accidentally being returned when in the International Political View. This has now been corrected to only allow this in the Indian Political View for the Jammu and Kashmir regions and Northern Arunachal Pradesh.</p> <p>Examples:</p> <p>Query 1:</p> <pre>searchtext=791003, Mechuka or searchtext=791003, Mechuka&politicalView=PAK</pre> <p>Previous result:</p> <p>Location in India. This location should only be shown with <code>politicalView=IND</code>.</p> <pre>label: 791003, Mechuka, AR, India country: IND state: AR county: West Siang</pre>

#	Description
	<pre>city: Mechuka postalCode: 791003</pre> <p>Current result: no match</p> <p>Query 2:</p> <pre>searchtext=191121 in Srinagar, Jammu Kashmir or searchtext=191121 in Srinagar, Jammu Kashmir&politicalView=PAK</pre> <p>Previous result:</p> <pre>label: 191121, Srinagar, JK, India</pre> <p>Current result:</p> <pre>label: Srinagar, Sonipat, HR, India</pre>
3	<p>Country <code>matchQuality</code> not provided for qualified address searches.</p> <p>The country match quality (<code>matchQuality.country</code>) was not always included in results for queries with country filter (for example: <code>country=USA</code>). The behavior was inconsistent.</p> <p>This is fixed. For all queries with country filter the results now provide the <code>matchQuality.country</code>.</p>

Enhancements

The following table contains enhancements.

#	Description
1	<p>Improved address search in the six historical districts of Venice, Italy.</p> <p>In the six districts of the historical center of Venice, house numbers are unique within districts and it is common to refer to addresses by house number and district name.</p> <p>But people also refer to addresses by providing house number and street name. Especially foreigners, who are not familiar with the local addressing schema. The street names are also used on signs.</p> <p>The Geocoder was always able to find the address when the district name was provided. Now, the Geocoder also finds the address when the street name is provided.</p> <p>Examples:</p> <p>Query with house number and street name:</p> <pre>searchtext=Calle Pezzana 2160, 30125 Venezia VE</pre> <p>Previous result:</p> <p>Fallback to street with 85% relevance.</p> <pre>relevance: 0.85 matchLevel: street label: Calle Pezzana, 30125 Venice VE, Italy ...</pre>



#	Description
	<p>Current result:</p> <p>Exact address match with 100% relevance.</p> <pre>relevance: 1 matchLevel: houseNumber label: Calle Pezzana, Sestiere San Polo, 2160, 30125 Venice VE, Italy ...</pre> <p>Query with house number and district name:</p> <pre>searchtext=San Polo 2160, 30125 Venezia</pre> <p>Previous result:</p> <p>Correct result. But the street field shows the district name.</p> <pre>label: San Polo, 2160, 30125 Venice VE, Italy district: Sestiere San Polo street: San Polo ...</pre> <p>Current result:</p> <p>Same location as above. But now the street name and the complete district name including the prefix "Sestriere" is part of the label. The street field shows the correct street name instead of the district name.</p> <pre>label: Calle Pezzana, Sestiere San Polo, 2160, 30125 Venezia VE, Italia address.district: Sestiere San Polo address.street: Calle Pezzana ...</pre>

2

Improved administrative mapping and address label format in Belarus.

To improve the representation of the Belarusian administrative structure, we changed the administrative levelling in the Geocoder.

The administrative level of raions (Belarusian: раён, Russian: район), which is two levels below the national level but above the city level, is now mapped to the county instead of the city. The actual towns are now mapped to the city level instead of the district level. The address label includes both, the name of the raion, and the name of the town.

Example:

```
searchtext=Pyershamayskaya vulitsa, Mahilyow, Belarus&language=en-US
```

Previous result:

```
// Address label did not include the name of the actual town.
label: Pyershamayskaya vulitsa, Mahilyowski rayon, Belarus
state: Mahilyowskaya voblasts'
city: Mahilyowski rayon
// Actual town was mapped to the district level.
district: Mahilyow
```

Current result:

```
// Now the label includes the name of the town.
label: Pyershamayskaya vulitsa, Mahilyow, Mahilyowski rayon, Mahilyowskaya
voblasts', Belarus
state: Mahilyowskaya voblasts'
county: Mahilyowski rayon
// Actual town.
city: Mahilyow
```

#	Description
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Minsk is the capital of Belarus. It has the status of a special administrative district. It is the administrative center of the Minsk Region (voblast) and Minsk raion (district), although the city is not part of the administrative hierarchy of these. This is reflected by the state, county and city fields all set to Minsk. The address label includes the city name Minsk only once.

Example:

```
searchtext=Svabody ploshcha, Minsk, Belarus&language=en-US
```

Previous result:

```
label: Svabody ploshcha, Minsk, Belarus
state: Minsk
city: Minsk
```

Current result:

```
label: Svabody ploshcha, Minsk, Belarus
state: Minsk
county: Minsk
city: Minsk
```

3 Added support for street intersection search in Mexico and other Spanish and Portuguese speaking countries.

Previously, the Geocoder supported street intersection formats typical for English speaking countries (at, and, @, &). The only supported keyword for street intersection that is typical for Spanish and Portuguese speaking countries was “esq”. Now, this list is extended by “y”, “por” and “esquina”.

Note, that we previously focused implementation and testing efforts for intersection search to USA. Now, we focused especially testing on Mexico. But the enhancement also shows positive impacts on other Spanish and Portuguese speaking countries.

Intersection Keywords	Coverage
World	&, @, and, at
Spanish and Portuguese speaking countries	&, @, and, at, esq, esquina, y, por

Example:

```
searchtext=Calle Poniente 152 y Calle El Sol de Mexico
```

Previous result: no match

Current result:

```
label: Calle Poniente 152 & Calle El Sol de México, Industrial Vallejo, 02300
Azcapotzalco, DF, México
matchLevel: intersection
```

4 Added neighbourhood names and improved the result label for Luxembourg Geocoding.

There are 24 quartiers or neighborhoods in Luxembourg (Les 24 quartiers de la Ville) that are not considered administrative areas. Examples of such neighbourhoods are “Kirchberg”, “Limpertsberg”, “Belair”, “Beggen”, and “Gasperich”. Most of the data is available as zones and we added those to the Geocoder so that people can search for them. In results, these names are included as district name.

Example for neighborhood Beggen:



#	Description
	<p>The queries</p> <pre>searchtext=16 Rue Cyprien Merjai, 2145 Luxembourg and also searchtext=16 Rue Cyprien Merjai, 2145 Beggen</pre> <p>return the same result:</p> <pre>label: "16 Rue Cyprien Merjai, L-2145 Luxembourg, Luxembourg", country: "LUX", state: "Luxembourg", county: "Luxembourg", city: "Luxembourg", district: "Beggen", street: "Rue Cyprien Merjai", houseNumber: "16", postalCode: "2145"</pre> <p>Label Changes:</p> <p>Villages outside of Luxembourg city, which appear in the district field of the Geocoder result, are referred to as locality. These names are used in addressing and should therefore be included in labels. For example, "112 Rue Andethana, L-6970 Hostert, Luxembourg". The commune they belong to, which appears in the city field of a Geocoder result, is not used in the address unless the address is in exactly that locality and commune.</p> <p>Previous label showing the city (commune) name:</p> <pre>label: "112 Rue Andethana, 6970 Niederanven, Luxembourg", ... city: "Niederanven", district: "Hostert", ...</pre> <p>Current label showing the district (village) name:</p> <pre>label: "112 Rue Andethana, L-6970 Hostert, Luxembourg", ... city: "Niederanven", district: "Hostert", ...</pre>

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 cannot be geocoded - 2013Q3 TWN Map improvements Islands to be considered as part of Taiwan.
2	Taiwan - Street Fallback - Returning the Best Candidate 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.



#	Description
	<p>Example:</p> <p>彰化縣彰化市介壽北路1號</p> <p>House number 1 is not in the map data. The result is therefore a fallback to house number 19:</p> <p>No. 19, Jie Shou N. Rd., Changhua City, Changhua County 500, Taiwan</p> <p>But if a house number fallback is not accepted (parameter: <code>additionaldata=HouseNumberMode, Streetlevel</code>), then the result is expected to be a street level match:</p> <p>Jie Shou N. Rd., Changhua City, Changhua County 500, Taiwan</p> <p>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:</p> <p>No. 1, Lane 36, Jie Shou S. Rd., Changhua City, Changhua County 500, Taiwan</p>
3	<p>China: Reverse Geocoder <code>retrieveAreas</code> response not aligned with <code>mode=retrieveAddresses</code></p> <p>The Reverse Geocoder <code>retrieveAreas</code> response is not aligned with the response from <code>retrieveAddresses</code> 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).</p>
4	<p>Labels for highway exits do not include the exit number.</p> <p>The label only contains the highway name.</p> <p>Workaround: Use highway name and exit number from the <code>name</code> field.</p>
5	<p>The navigation coordinate in the response for Hong Kong building name matches is not always correct. It is the same as the display coordinate. The navigation coordinate is correct only when the query matches a house number in addition to the building name (<code>MatchQuality</code> element <code>houseNumber</code> exists in the result).</p> <p>Example:</p> <p>The queries</p> <p>Shek Wu Shui Baptist Chapel, Hong Kong</p> <p>and</p> <p>Shek Wu Shui Baptist Chapel, 33 Fu Hing St, Hong Kong</p> <p>both match to the same address. But the navigation coordinate is correct for the latter query only.</p>