

Geocoder API

Release Notes

Version 6.2.117

here

Important Information

Notices

Topics:

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

This section contains document notices.

Legal Notices

© 2016 HERE Global B.V. and its Affiliate(s). All rights reserved.

This material, including documentation and any related computer programs, is protected by copyright controlled by HERE. All rights are reserved. Copying, including reproducing, storing, adapting or translating, any or all of this material requires the prior written consent of HERE. This material also contains confidential information, which may not be disclosed to others without the prior written consent of HERE.

Trademark Acknowledgements

HERE is trademark or registered trademark of HERE Global B.V.

Other product and company names mentioned herein may be trademarks or trade names of their respective owners.

Disclaimer

This content is provided "as-is" and without warranties of any kind, either express or implied, including, but not limited to, the implied warranties of merchantability, fitness for a particular purpose, satisfactory quality and non-infringement. HERE does not warrant that the content is error free and HERE does not warrant or make any representations regarding the quality, correctness, accuracy, or reliability of the content. You should therefore verify any information contained in the content before acting on it.

To the furthest extent permitted by law, under no circumstances, including without limitation the negligence of HERE, shall HERE be liable for any damages, including, without limitation, direct, special, indirect, punitive, consequential, exemplary and/ or incidental damages that result from the use or application of this content, even if HERE or an authorized representative has been advised of the possibility of such damages.

Document Information

Product

Name:	Geocoder API
Version:	Version 6.2.117

Document

Name:	Geocoder API Release Notes
ID:	22b4d37-1467126025
Status:	FINAL
Date:	2016-Jun-28, 15:04 (GMT)

Digital Signature

Signatory:	O=HERE, CN=here.com, ST=Berlin, C=DE
Issuer-Certificate:	O=HERE, CN=here.com, ST=Berlin, C=DE
Serial-Number.:	17391143833054135595
Method:	urn:adobe.com:Adobe.PPKLite:adbe.pkcs7.sha1 (Adobe Signature)

Contents

Notices	2
Legal Notices.....	3
Document Information.....	4
Chapter 1: Overview	6
Map Data Version.....	7
Highlights.....	7
Chapter 2: Changes	8
Functional and Behavioral Changes.....	9
API Changes.....	12
Resolved Issues.....	12
Known Issues.....	14
Limitations and Workarounds.....	15

Chapter 1

Overview

Topics:

- [Map Data Version](#)
- [Highlights](#)

The scope of this document is to provide the release notes for the Geocoder API for a particular release version. It lists added and improved functionality as well as the issues resolved and known issues remaining in this release.

Map Data Version

The Geocoder API provides weekly map updates. Weekly map data updates are based on 2016Q2 data releases for most countries.

The following exceptions exist for countries with HERE map content coverage (Entry or Intermediate map content are not listed here):

- Hong Kong and Macau remain at 2015Q3 and are not updated on a weekly basis.
- Indonesia remains at 2016Q1 with 2015Q1 map schema. The new 2016Q1 schema introduces naming changes for this country that require changes in the Geocoder software. These changes are scheduled for implementation in a subsequent release.

Highlights

The following highlights give a short summary of the most important changes, added functionality and improvements:

- India: Further improved logic that returns an up-hierarchy postal code match instead of an empty result.
- Mexico: Increased match quality in Cancún area.
- Mexico: Increased match quality and confidence by recognizing "s/n" in query as Sin Número (without number) instead of as noise or as part of a street name.
- Other enhancements and bug fixes.

Chapter 2

Changes

Topics:

- [Functional and Behavioral ...](#)
- [API Changes](#)
- [Resolved Issues](#)
- [Known Issues](#)
- [Limitations and Workaround...](#)

This section documents major changes to the release that may require the updating of affected applications and/or associated map data.

📖 **Note:** For changes made in previous releases, see the related documents at <http://developer.here.com>.

Functional and Behavioral Changes

The following table contains descriptions of added or changed functionality and changes in product behavior.

#	Description
1	<p>India: Further improved logic that returns an up-hierarchy postal code match instead of an empty result.</p> <p>Queries in India are often very long and contain references to locations that the Geocoder cannot recognize or match. In many cases, these noisy queries lead to empty results.</p> <p>This behavior has been improved in the previous release and again with this release. The Geocoder tries to identify at least the postal code and city name in queries and tolerates up-hierarchy low relevance results if at least the match quality of the postal code and city is high enough. Focus of this release are postal codes in rural areas and postal codes that cross city borders.</p> <p>Note: The overall <code>relevance</code> of results can be very low for India queries now, approximately 20 to 30%. Even if the Geocoder cannot recognize large portions of the input query it still tries to provide a result. This rule applies to Indian queries only. For other countries, the Geocoder typically does not respond with a result when the <code>relevance</code> drops below approximately 50%.</p> <p>Examples:</p> <p>Query:</p> <pre>searchtext=Flat No: 803, OSAKA Tower (AT-8),OMAXE HEIGHTS, Sector- 86, NEHERPAR, (Near SAI Mandir), FARIDABAD, HARYANA, 121002, India &responseattributes=matchCode</pre> <p>Previous result:</p> <p>Multiple matches in wrong postal code.</p> <pre>label: "121006, Faridabad, HR, India" label: "121007, Faridabad, HR, India" label: "121005, Faridabad, HR, India"</pre> <p>Current result:</p> <p>Single up-hierarchy postal code match. Note that there is no city mentioned in the result because the postal code crosses city borders.</p> <pre>address: { label: "121002, HR, India", country: "IND", state: "HR", county: "Faridabad", postalCode: "121002" ... matchCode: "upHierarchy"</pre>
2	<p>Mexico: Recognizing "s/n" in query as Sin Número (without number) instead of as noise or as part of a street name.</p> <p>The abbreviation "s/n" can stand for Sin Número, which means "without number". In Mexico, people use the abbreviation to indicate that the target location cannot be identified by a number. For example,</p>

#	Description
	<p>the user is just looking for a street and does not provide a house number in the query. Previously, the Geocoder sometimes falsely interpreted the abbreviation as part of a street name, as street directional, or simply as noise that lowered the overall confidence.</p> <p>Example:</p> <p>Query:</p> <pre>searchtext=Calle 3 s/n independencia Mexico</pre> <p>Previous result:</p> <p>A street level match in Calle 3 Norte but the query is just for Calle 3 without the directional.</p> <pre>label: Calle 3 Norte, Independencia, 56617 Valle de Chalco Solidaridad, EDOMEX, Mexico</pre> <p>Current result:</p> <p>Two street level matches in different cities in the State of Mexico.</p> <pre>label: Calle 3, Independencia, 56350 Chimalhuacán, EDOMEX, Mexico label: Calle 3, Independencia, 53830 Naucalpan de Juárez, EDOMEX, Mexico</pre>
3	<p>Mexico: City name Cancún can now be matched and is returned as preferred city name.</p> <p>Cancún is an important city in southeastern Mexico and part of the municipality of Benito Juárez. Previously, the Geocoder was only able to find addresses that belong to the city of Cancún when the query contained the municipality name Benito Juárez. Now, the Geocoder matches Cancún and also returns it as the preferred name from reverse geocoding.</p> <p>Example:</p> <p>Query with complete address:</p> <pre>searchtext=Calle Claveles 47 Cancún</pre> <p>Previous result:</p> <p>Empty response.</p> <p>Current result:</p> <p>Correct address match.</p> <pre>relevance: 1, matchLevel: "houseNumber", matchQuality: { city: 1, street: [1], houseNumber: 1 }, ... address: { label: "Calle Claveles 47, Supmz 22, 77500 Cancún, QROO, México", country: "MEX", state: "QROO", city: "Cancún", district: "Supmz 22", street: "Calle Claveles", houseNumber: "47",</pre>

#	Description
	<pre>postalCode: "77500", ...</pre> <p>Reverse geocoding the same location:</p> <pre>mode=retrieveAddresses&prox=21.15963,-86.82751,10</pre> <p>Previous result:</p> <p>City name is Benito Juárez.</p> <pre>... address: { label: "Calle Claveles 47, Supmz 22, 77500 Benito Juárez, QROO, México", country: "MEX", state: "QROO", city: "Benito Juárez", district: "Supmz 22", street: "Calle Claveles", houseNumber: "47", postalCode: "77500", ... }</pre> <p>Current result:</p> <p>City name is now Cancún.</p> <pre>... address: { label: "Calle Claveles 47, Supmz 22, 77500 Cancún, QROO, México", country: "MEX", state: "QROO", city: "Cancún", district: "Supmz 22", street: "Calle Claveles", houseNumber: "47", postalCode: "77500", ... }</pre>

4

Canada: Accuracy improvements for queries that contain a street name and the precise postal code.

The 6-character postal codes in Canada are very precise and there can be multiple postal codes per street segment. The Geocoder now uses the postal code centroid coordinate to provide more accurate street level matches when the query also contains the postal code.

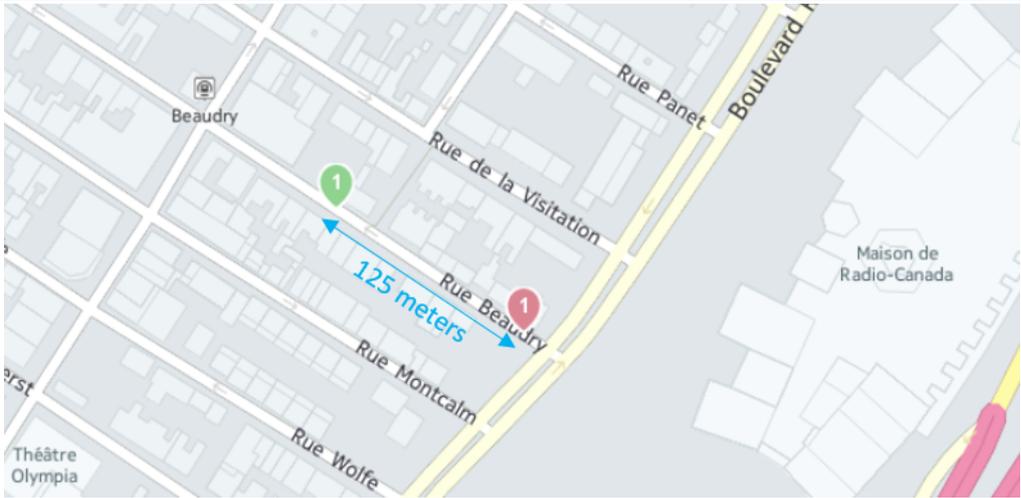
Examples:

Query where KD zone refers to an unofficial sub-locality name:

```
searchtext=Rue Beaudry, Montréal, QC H2L 3E3, Canada
```

Result:

The image below shows the previous result with the red marker and the current result with the green marker. The postal code centroid coordinate is very close to the green current location. If a query like this is used to locate a routing start or end point then the user would be picked up or dropped off much closer to the target location.

#	Description
	 A map of a city street grid. A blue double-headed arrow indicates a distance of 125 meters between two points on Rue Beaudry. One point is marked with a green circle containing the number 1, and the other with a red circle containing the number 1. The map shows several streets including Rue de la Visitation, Rue Panet, Boulevard, Rue Beaudry, Rue Montcalm, Rue Wolfe, and Rue Beaudry. Landmarks like Théâtre Olympia and Maison de Radio-Canada are also visible.

API Changes

Added

- None.

Removed

- None.

Modified

- None.

Resolved Issues

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

#	Description
1	The map reference for Canada street level matches can be wrong in some cases. This is fixed now. The map reference information for Canada street level matches is correct now.

#	Description
	<p>When querying for a street with a high precision postal code in Canada, the Geocoder returns a point that is close to the coordinate of the high precision postal code.</p> <p>In some of these cases, results have incorrect <code>mapReference</code> details. The (<code>referenceID</code>, <code>Spot</code> and <code>SideOfStreet</code>) are not correct for the position.</p> <p>Note, this issue only exists for street level matches. The <code>mapReference</code> information is correct for house number level matches.</p> <p>Example:</p> <p>Query:</p> <pre>searchtext=Rue Notre-Dame E, Montreal, QC H2Y 1C8, Canada&locationattributes=mapReference</pre> <p>Previous result:</p> <p><code>referenceID</code>, <code>spot</code> and <code>sideOfStreet</code> information is wrong.</p> <pre>mapReference: { referenceId: "746346021", mapId: "NAAM16109", mapVersion: "Q1/2016", mapReleaseDate: "2016-05-05", spot: 1, sideOfStreet: "left", countryId: "21041602", stateId: "21055262", countyId: "21155498", cityId: "21155524" }</pre> <p>Current result:</p> <pre>mapReference: { referenceId: "34239026", mapId: "NAAM16109", mapVersion: "Q1/2016", mapReleaseDate: "2016-06-09", spot: 0.47, sideOfStreet: "right", countryId: "21041602", stateId: "21055262", countyId: "21155498", cityId: "21155524" }</pre>

2 Australia: Address not found when query contains wrong street type.

This is fixed now. The wrong street type led to wrong matches in cases where the street base name is the same as the city name. In the example below, the street base name and the city name of the target address is Brisbane.

Example:

Query:

```
searchtext=125-145 Brisbane Road, Jimboomba, QLD 4280, AU
```

Previous result:

District match.

```
relevance: 0.74,
```

#	Description
	<pre> matchLevel: "district", matchQuality: { country: 1, state: 1, city: 1, district: 1, postalCode: 1 }, ... address: { label: "Jimboomba, Brisbane, QLD, Australia", country: "AUS", state: "QLD", city: "Brisbane", district: "Jimboomba", postalCode: "4280" ... </pre> <p>Current result:</p> <p>Expected house number level match.</p> <pre> relevance: 0.93, matchLevel: "houseNumber", matchQuality: { country: 1, state: 1, district: 1, street: [0.85], houseNumber: 1, postalCode: 1 }, matchType: "pointAddress", ... address: { label: "125-145 Brisbane St, Jimboomba QLD 4280, Australia", country: "AUS", state: "QLD", city: "Brisbane", district: "Jimboomba", street: "Brisbane St", houseNumber: "125-145", postalCode: "4280" ... </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



#	Description
	<p>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.</p> <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 – although 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 the state is empty even though it should contain 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>

Limitations and Workarounds

There are no limitations and workarounds in this release.