

Geocoder API

Release Notes

Version 6.2.124

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 6.2.124

Document

Name:	Geocoder API Release Notes
ID:	1736f78-1477662643-050d530e
Status:	FINAL
Date:	2016-Oct-28, 13:53 (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.....	11
Resolved Issues.....	11
Known Issues.....	13
Limitations and Workarounds.....	14

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 2016Q4 data releases for most countries.

Hong Kong and Macau were updated to 2016Q2 map data. These two countries are not updated on a weekly basis.

Highlights

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

- South Africa: Increase match rate by allowing end users to use the name of the capitals of metropolitan municipality areas in address search instead of the official city names.
- New Zealand: Improved address search by recognizing postal delivery related information in queries.
- Hong Kong and Macau were updated to 2016Q1 map data.
- 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>South Africa: Match addresses within the complete metropolitan municipality areas with the name of its capital.</p> <p>Sometimes people in South Africa refer to metropolitan municipality areas by the name of its capital. For example, Pretoria is the central part and the capital of the metropolitan municipality Tshwane.</p> <p>Example:</p> <p>Use of Pretoria instead of Centurion, which is another part of Tshwane, to search for an address in Centurion.</p> <p>Query:</p> <pre>searchtext=18 Pretorius Avenue Pretoria</pre> <p>Previous result:</p> <p>Address in the city Pretoria. This location is approximately 10 km away from the target location in city Centurion.</p> <pre>address: { label: "18 Pretorius St, Pretoria, 0001, South Africa", country: "ZAF", state: "Gauteng", county: "Tshwane", city: "Pretoria", street: "Pretorius St", houseNumber: "18", postalCode: "0001" ... }</pre> <p>Current result:</p> <pre>... address: { label: "18 Pretorius Ave, Centurion, 0157, South Africa", country: "ZAF", state: "Gauteng", county: "Tshwane", city: "Centurion", district: "Lyttelton Manor", street: "Pretorius Ave", houseNumber: "18", postalCode: "0157", ... }</pre>
2	<p>India: Tolerate Andhra Pradesh as alternative state for city Hyderabad and for city Secunderabad.</p> <p>In 2014, the North-Western portion of the state Andhra Pradesh was bifurcated to form a new state Telangana. In accordance with the Andhra Pradesh Reorganization Act, 2014, Hyderabad will remain the</p>

#	Description
	<p>de jure capital of both Andhra Pradesh and Telangana states for a period of time not exceeding 10 years. Secunderabad, popularly known as the twin city of Hyderabad is also located in Telangana.</p> <p>The Geocoder reflects the up-to-date administrative structure with Hyderabad and Secunderabad being cities of state Telangana. But starting from D74 the Geocoder also supports Andhra Pradesh as an alternative state for these two cities, so that it can find the result also for the requests representing the old administrative structure.</p>
3	<p>New Zealand: Improved address search by recognizing postal delivery related information.</p> <p>Address and area queries in New Zealand often contain postal delivery related information such as a PO box, a rural delivery number, or private bag. The Geocoder cannot match this information and considers this as noise, which can lead to low confidence or wrong matches. In order to provide more confident results, the Geocoder can now recognize this information and removes it from the input before querying the search index. The information is now handled in the same way as secondary unit designators.</p> <p>Example:</p> <p>Query:</p> <pre>searchtext=559 Leigh RD RD 5 985&additionaldata=PreserveUnitDesignators,true</pre> <p>Current result:</p> <p>The Geocoder recognizes "RD 5" as rural delivery number and can return a high confidence match. The rural delivery number is included the <code>additionalData</code> section of the result, as requested with the parameter <code>additionaldata=PreserveUnitDesignators,true</code>.</p> <pre>relevance: 1, matchLevel: "houseNumber", matchQuality: { street: [1], houseNumber: 1, postalCode: 1 }, matchType: "pointAddress", location: { ... address: { label: "559 Leigh Rd, Omaha, Auckland 0985, New Zealand", country: "NZL", state: "Auckland", county: "Auckland City", city: "Auckland", district: "Omaha", street: "Leigh Rd", houseNumber: "559", postalCode: "0985", additionalData: [{ value: "5", key: "RD" }], ... } } }</pre>

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	<p>Search with proximity parameter returns unexpected result.</p> <p>The Geocoder prefers a fuzzy address match close to the provided proximity instead of a perfect address match that is located outside of the proximity.</p> <p>This is fixed now. The Geocoder now also considers good matches outside of the provided proximity. The rules are now aligned with those from parameter <code>mapview</code>.</p> <p>Example:</p> <p>Query with complete information for an address in San Francisco. The provided proximity point is further South in Sunnyvale.</p> <pre>searchtext=1610 Sutter Street, san Francisco, ca, USA&prox=37.391811,-122.05802,5000</pre> <p>Previous result:</p> <p>A street level result in Sunnyvale. The result is close to the set proximity (2338 meters from the given point) but the match quality scores are low.</p> <pre>relevance: 0.78, distance: 2338.5, matchLevel: "street", matchQuality: { country: 1, state: 1, city: 0.61,</pre>

#	Description
	<pre> street: [0.85] }, ... address: { label: "Sutter Ave, Sunnyvale, CA 94086, United States", country: "USA", state: "CA", county: "Santa Clara", city: "Sunnyvale", district: "Sunnyvale West", street: "Sutter Ave", postalCode: "94086" } ... </pre> <p>Current result:</p> <p>The expected address result in San Francisco. The result is 54 km away from the given point and outside of the proximity radius. But the match quality scores are high.</p> <pre> relevance: 1, distance: 54668.8, matchLevel: "houseNumber", matchQuality: { country: 1, state: 1, city: 1, street: [1], houseNumber: 1 }, ... address: { label: "1610 Sutter St, San Francisco, CA 94109, United States", country: "USA", state: "CA", county: "San Francisco", city: "San Francisco", district: "Lower Pacific Heights", street: "Sutter St", houseNumber: "1610", postalCode: "94109", } ... </pre>

- 2 Postal code presence in searchtext and postalcode fields yields to empty result.
 - Empty response for query with searchtext and postalcode parameter where postal code value appears twice.
 - This is fixed now.
 - Example:**
 - Query:**

```
searchtext=United States, NY, 10026, New York&postalcode=10026
```
 - Previous result:** Empty result.
 - Current result:**



#	Description
	<p>Perfect postal code match.</p> <pre> relevance: 1, matchLevel: "postalCode", matchQuality: { country: 1, state: 1, city: 1, postalCode: 1 }, ... address: { label: "10026, New York, NY, United States", country: "USA", state: "NY", county: "New York", city: "New York", postalCode: "10026" } ... </pre>

Known Issues

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

#	Description
1	<p>Taiwan Geocoding - Island Names cannot be geocoded - 2013Q3 TWN Map improvements</p> <p>Islands to be considered as a part of Taiwan.</p>
2	<p>Taiwan - Street Fallback - Returning the Best Candidate</p> <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>

#	Description
	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.
4	Labels for highway exits do not include the exit number. The label only contains the highway name. Workaround: Use highway name and exit number from the <code>name</code> 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. 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). Example: The queries Shek Wu Shui Baptist Chapel, Hong Kong and Shek Wu Shui Baptist Chapel, 33 Fu Hing St, Hong Kong both match to the same address. But the navigation coordinate is correct for the latter query only.

Limitations and Workarounds

There are no limitations and workarounds in this release.