



# Geocoder API

## Release Notes

Version 6.2.133

# Important Information

## Notices

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**Topics:**

This section contains document notices.

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

## Legal Notices

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## Document Information

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# Chapter 1

## Overview

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### 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

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The Geocoder API provides weekly map data updates. Weekly map data updates are based on 2017Q1 data releases for most countries.

The following exceptions exist for countries with HERE map content coverage:

- Hong Kong and Macau are from 2016Q4 and are not updated on a weekly basis.

Entry or Intermediate map content coverage are not listed here.

## Highlights

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

- Improved postal code search in Singapore where buildings are given their own unique postal code.
- Improved matching of number-based streets in Brazil. The Geocoder now recognizes street names in queries that use Arabic numerals even though the map data only contains the spelled out form of the numbers. For example, "Rua 701" instead of "Rua Setecentos e Um".
- Other enhancements and bug fixes.

## Chapter 2

# Changes

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### 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>Improved postal code search in Singapore.</p> <p>In Singapore, a building can have multiple entrances each with its own house number, but they all share the same high precision postal code.</p> <p>For example, the postal code 088460 is associated with the house numbers 37, 37A, 37B, and 37C.</p> <p>Previously, the Geocoder only associated a postal code with one of the multiple house numbers of the building, while the other house numbers were not given a postal code.</p> <p>Now, the Geocoder shares postal codes across all the house numbers of a building and its multiple entrances.</p> <p><b>Examples:</b></p> <p>1. Query for postal code.</p> <pre>searchtext=088460, Singapore</pre> <p><b>Previous result:</b></p> <p>A single house number result with one of the possible house numbers (37C).</p> <pre>relevance: 1, matchLevel: "houseNumber", matchQuality: {   city: 1,   postalCode: 1 }, matchType: "pointAddress", location: {   address: {     label: "37C Tg Pagar Rd, Singapore 088460, Singapore"   } } ... </pre> <p><b>Current result:</b></p> <p>4 results. All house numbers associated with the postal code 088460.</p> <pre>relevance: 1, matchLevel: "houseNumber", matchQuality: {   city: 1,   postalCode: 1 }, matchType: "pointAddress", location: {   address: {     label: "37 Tg Pagar Rd, Singapore 088460, Singapore",   } } ... relevance: 1, matchLevel: "houseNumber", matchQuality: {   city: 1,   postalCode: 1 }, matchType: "pointAddress", location: {   address: {     label: "37A Tg Pagar Rd, Singapore 088460, Singapore"   } } ... </pre>

#	Description
	<pre>...   label: "37B Tg Pagar Rd, Singapore 088460, Singapore" ...   label: "37C Tg Pagar Rd, Singapore 088460, Singapore"</pre> <p>2. Query for complete address including house number and postal code.</p> <pre>searchtext=37 Tg Pagar Rd, Singapore 088460</pre> <p><b>Previous result:</b></p> <p>Correct location. But the overall match confidence is not high (<code>relevance</code> is 78%) because the postal code is not matched at all. The Geocoder index does not have this particular combination of postal code and house number.</p> <pre>relevance: 0.78, matchLevel: "houseNumber", matchQuality: {   city: 1,   street: [1],   houseNumber: 1 }, matchType: "pointAddress", location: {   address: {     label: "37 Tg Pagar Rd, Singapore 088460, Singapore"   } } ...</pre> <p><b>Current result:</b></p> <p>Correct location and high result with high confidence (<code>relevance</code> is 100%).</p> <pre>relevance: 1, matchLevel: "houseNumber", matchQuality: {   city: 1,   street: [1],   postalCode: 1 }, matchType: "pointAddress", location: {   address: {     label: "37 Tg Pagar Rd, Singapore 088460, Singapore",   } } ...</pre>

2 Improved matching of number-based street names in Brazil.

The Geocoder now recognizes street names that were queried using the street number and matches them to the map data where the number is spelled out.

**Example:**

```
searchtext=Rua 701 162 Balneario Camboriu Brazil
```

**Previous result:**

Address match on the wrong street.

```
relevance: 0.76,
matchLevel: "houseNumber",
matchQuality: {
  city: 1,
  street: [0.76],
  houseNumber: 1
},
matchType: "pointAddress",
location: {
  address: {
    label: "Avenida Brasil, 162, Dos Pioneiros, Balneário Camboriú - SC,
88331-140, Brazil"
```

#	Description
---	-------------

...

**Current result:**

Correct address result on street Rua Setecentos e Um.

```
relevance: 1,
matchLevel: "houseNumber",
matchQuality: {
  country: 1,
  city: 1,
  street: [1],
  houseNumber: 1
},
matchType: "interpolated",
location: {
  address: {
    label: "Rua Setecentos e Um, 162, Centro, Balneário Camboriú - SC, 88330-711, Brazil"
  }
}
...
```

3 Geocoder now chooses a more specific city name for addresses in USA using USPS (United States Postal Service) content.

In the USA, the postal area city name is used as the principle city name for addresses. However, these postal area city names cover several cities. Therefore, addresses using the postal area city name can cause inaccuracy in navigation and real-estate scenarios. Using content from USPS, the Geocoder now chooses a more specific city name for addresses over the postal area city. This feature is available with the `NormalizeNames` feature activated in both the Forward and Reverse Geocoders.

**Examples:**

Forward Geocoding:

```
searchtext=5571 W Hillsboro Blvd, Pompano Beach, Florida
33073&additionaldata=NormalizeNames,true
```

**Previous result:**

Address with city name Pompano Beach. Pompano Beach center is appr. 12 km away, but the postal area of Pompano Beach covers parts of Coconut Creek, Parkland, Margate, Coral Springs, and more.

```
label: "5571 W Hillsboro Blvd, Pompano Beach, FL 33073, United States"
```

**Current result:**

Address with city name Coconut Creek, which is the more specific city name for this address.

```
label: "5571 W Hillsboro Blvd, Coconut Creek, FL 33073, United States"
```

Reverse Geocoding:

```
prox=47.43603,-122.29443,100&mode=retrieveAddresses
```

**Previous result:**

Address with city name Seattle. Seattle center is appr. 18 km away, but the postal area of Seattle covers parts of Seatac, Burien, Normandy Park, Tukwila, Des Moines, and more.

```
label: "18740 International Blvd, Seattle, WA 98188, United States"
```

**Current result:**

Address with city name Seatac, which is the more specific city name for this address.

```
label: "18740 International Blvd, Seatac, WA 98188, United States"
```

4 Preference for ambiguous extended postal codes in Canada.

Full Canadian postal codes have different levels of granularity, some are for the main house number, whilst others are alphanumeric extensions of the main house number; and some are for suite-level units in the building.

#	Description
	<p>The Geocoder now disambiguates between these levels of granularity of full postal codes, choosing the best one for the main house number instead of an extension or a suite sub-unit of the building.</p> <p><b>Examples:</b></p> <p>Forward Geocoding:</p> <pre>searchtext=762 St Andre Dr, Orleans, ON K1C</pre> <p><b>Previous result:</b></p> <p>Result with a postal code that belongs to the suite-level unit and not to the main house number.</p> <pre>label: "762 St Andre Dr, Orleans, ON K1C 4S6, Canada"</pre> <p><b>Current result:</b></p> <p>Result with the postal code that belongs to the main house number.</p> <pre>label: "762 St Andre Dr, Orleans, ON K1C 4S7, Canada"</pre> <p>Reverse Geocoding:</p> <pre>prox=47.43603,-122.29443,100&amp;mode=retrieveAddresses</pre> <p><b>Previous result:</b></p> <p>Address with city name Seattle. Seattle is center is appr. 18 km away, but the postal area of Seattle covers parts of Seatac, Burien, Normandy Park, Tukwila, Des Moines, and more.</p> <pre>label: "18740 International Blvd, Seattle, WA 98188, United States"</pre> <p><b>Current result:</b></p> <p>Address with city name Seatac, which is the more specific city name for this address.</p> <pre>label: "18740 International Blvd, Seatac, WA 98188, United States"</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>Chilean addresses with leading zero are not correctly recognized in queries and not correctly returned.</p> <p>This has been fixed.</p> <p>Chilean addresses are standard numeric addresses with characters 0-9. Addresses can begin with a leading zero.</p> <p><b>Example:</b></p> <pre>searchtext=Avenida San Gregorio 0876, 8780000 La Granja, Region Santiago Metropolitan, Chile</pre> <p><b>Previous result:</b></p> <p>Fallback to street match. The house number "0876" is not matched.</p> <pre>label: "Avenida San Gregorio, 8780000 La Granja, Region Santiago Metropolitan, Chile"</pre> <p><b>Current result:</b></p> <p>Expected house number match.</p> <pre>label: "Avenida San Gregorio 0876, 8780000 La Granja, Region Santiago Metropolitan, Chile"</pre>
2	<p>Geocoder does not find addresses in Peru when the urban city name is used as the locality name in queries. Addresses can only be found when using the district name. For example, "Jiron Abtao 1200 Lima" is not found but "Jiron Abtao 1200 La Victoria" is found.</p> <p>This has been fixed. Urban city names for Peru are Lima, Arequipa, Chiclayo, Cusco, and Trujillo.</p>
3	<p>Wrong results for address queries where the country name "Puerto Rico" is written out in query.</p> <p>Address queries where the country "Puerto Rico" is written out and the house number in the request cannot be found are falsely returning results with addresses on "Calle Puerto Rico".</p> <p>This has been fixed.</p> <p><b>Examples:</b></p> <p>1. Query:</p> <pre>searchtext=URB LEVITTOWN LAKES A50 CALLE MAGALY CENTRAL , TOA BAJA, Puerto Rico, 00949</pre> <p><b>Previous result:</b></p> <p>Wrong address result on wrong street "Calle Puerto Rico".</p> <pre>label: "Urb Pabellones A50 Calle Puerto Rico, Sabana Seca, Toa Baja, Puerto Rico 00949"</pre> <p><b>Current result:</b></p> <p>Result with correct street "Calle Magaly Central", even though house number "A50" wasn't found.</p> <pre>label: "Urb Levittown Lakes Calle Magaly Central, Sabana Seca, Toa Baja, Puerto Rico 00949"</pre>
4	<p>Specific USA address with street directional not found.</p> <p>The Geocoder returns the wrong location in cases where the street has a directional (E, W, N, or S) and the street base name contains a directional word (West, East, North, or South).</p> <p>This has been fixed.</p> <p><b>Examples:</b></p> <p>1. Query:</p> <pre>searchtext=2977 W 186th St, Westfield, IN 46074, United States</pre> <p><b>Previous result:</b></p>

#	Description
	<p>Wrong result. Address on "E 186th St" instead of "W 186 St".</p> <p>label: "2977 E 186th St, Westfield, IN 46074, United States"</p> <p><b>Current result:</b></p> <p>Single correct address result.</p> <p>label: "2977 W 186th St, Westfield, IN 46074, United States"</p> <p>2. Query:</p> <p>searchtext=3756 W 100th Ave, Westminster, CO 80031, USA</p> <p><b>Previous result:</b></p> <p>Multiple street level matches. All in the wrong street.</p> <p>label: "W 100th Ct, Westminster, CO 80031, United States"</p> <p>label: "W 100th Dr, Westminster, CO 80031, United States"</p> <p>label: "W 100th Pl, Westminster, CO 80031, United States"</p> <p><b>Current result:</b></p> <p>Single correct address result.</p> <p>label: "3756 W 100th Ave, Westminster, CO 80031, United States"</p>

## 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><b>Example:</b></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>

#	Description
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 the 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><b>Example:</b></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

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There are no limitations and workarounds in this release.