Geocoder API

Release Notes

Version 6.2.129

Important Information

Notices

Topics:

- *Legal Notices*
- *Document Information*

This section contains document notices.

Legal Notices

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Document Information

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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 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 is not updated on a weekly basis.

Entry or Intermediate map content coverage are not listed here.

Highlights

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

• USA: Added matching to Micro Point Addresses. These are secondary address units such as apartments, suites, units. There are many use cases where this precise location information can be helpful. For example, delivery services can route to and make their deliveries directly to a particular unit in a large complex, instead of routing to the main address point of the complex.
• BRA: Corrected administrative structure in Brazil Distrito Federal (DF).
• 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	Added support for Micro Point Addresses in USA
	The Forward Geocoder now matches to secondary address units based on HERE Micro Point Address data and includes the precise location information in the response. This feature allows matching and retrieval of secondary addresses for point addresses such as apartments, suites, units, and so on.
	There are many use cases where this precise location information can be helpful. For example, delivery services can route to and make their deliveries directly to a particular unit in a large complex, instead of routing to the main address point of the complex.
	This feature is currently limited to United States addresses only. You can enable this feature using the following parameter:
	`additionaldata=IncludeMicroPointAddresses,true`
	The feature is disabled by default.
	The point address result has an additional `matchQuality` field for the unit to indicate a micro point address has been found. In addition, in a `related` section, details of the micro point unit address are included:
	• The related type `microPointAddress`
	• A unique `locationID`, which can be used to re-retrieve the micro point unit address
	• A set of navigation coordinates and where available the display coordinates
	• An address section with:
	◦ A `label` containing the unit designator and the micro point unit address
	◦ A `unit` field containing the micro point unit address
	• When you enable the following features, the details are available specifically for the micro point unit address
	◦ `locationattributes=mapReference`
	▪ `referenceId` which refers to the micro point's navigation link
	▪ `addressId` which refers to the id of the micro point
	◦ `locationattributes=linkInfo`
	▪ `linkInfo` with link details on the micro point's navigable link
	This feature requires that one of the following secondary unit designators is provided in the query preceding the micro point unit address and separated with a space character:
	• "Unit"
	• "Apartment" or "APT"

#	Description

- "Suite" or "STE"
- #
- "Building" or "BLDG"
- "Office" or "OFC"
- "Penthouse" or "PH"
- "Room" or "RM"
- "Space" or "SPC"

Example:

Query, searching for **unit 306** at 1731 Pryor Rd in Atlanta:

```
&searchtext=1731 Pryor Rd SW Unit 306, Atlanta, GA 30315
&additionaldata=IncludeMicroPointAddresses,true
&locationattributes=MapReference
```

Response:

```
relevance: 1,
   matchLevel: "houseNumber",
   matchQuality: {
       state: 1,
       city: 1,
       street: [
           1
       ],
       houseNumber: 1,
       postalCode: 1,
       unit: 1
   },
   matchType: "pointAddress",
…
       related: [
           {
               type: "microPointAddress",
               location: {
                   locationId: "NT_1YF4SQOQLctfT893gwYylD_xczMxA_m_zAjN",
                   locationType: "point",
                   displayPosition: {
                       latitude: 33.70855,
                       longitude: -84.39494
                   },
                   navigationPosition: [
                       {
                           latitude: 33.7084,
                           longitude: -84.39483
                       }
                   ],
                   address: {
                       label: "1731 Pryor Rd SW Unit 306, Atlanta, GA 30315,
   United States",
                       street: "Pryor Rd SW",
                       houseNumber: "1731",
                       unit: "306"
                   },
                   mapReference: {
                       referenceId: "999658922",
                       addressId: "691063327"
                   }
```

#	Description
| | ```
            }
        }
    ]
``` |
| 2 | The Russian Political View has an administrative change where the "Crimean Federal District" has been removed and the counties that used to be under this federal district are now a part of the "Southern Federal District". |
| 3 | Added district name to labels for Brazil addresses.<br><br>In Brazil, it is common to mention the district name for addressing. Therefore, the Geocoder now adds the district name to the label and address lines.<br><br>**Example response**:<br><br>```
address: {
        label: "Avenida Paulista, 2024, Jardim Paulista, Sao Paulo – SP,
  01311-300, Brazil",
        country: "BRA",
        state: "SP",
        city: "Sao Paulo",
        district: "Jardim Paulista",
        street: "Avenida Paulista",
        houseNumber: "2024",
        postalCode: "01311-300",
        …
        addressLine: [
            "Avenida Paulista, 2024",
            "Jardim Paulista",
            "Sao Paulo – SP",
            "01311-300"
        ]
    …
```<br><br>Previously, the district name Jardim Paulista was not included in the `label` and `addressLine`. |
| 4 | Corrected administrative structure in Brazil Distrito Federal (DF).

Brazil is divided into federated states and these states are further divided into municipalities. One exception is the Federal District, which represents a single municipality (Brasília) and is divided into Administrative Regions (ARs). In addresses, the ARs usually appear between the addressline and the municipality of Brasília. Further subdivisions, such as "Sectors" and "Quadras" can now be found. These subdivisions usually form part of the street names as acronyms. The Geocoder now reflects this with the following administrative mapping: |

Reality	Geocoder Address Element	Example
Country	Country	Brazil
State	State	Distrito Federal (DF)
Municipality	City	Brasilia
Administrative Region	District	Lago Norte
Other sub-localities	Subdistrict	Setor de Habitacoes Individuais Norte

#	Description
5	The `minResults` parameter is now also supported for Reverse Geocode `mode=retrieveAddresses`. The Reverse Geocoder ignores the specified radius until `minResults` results are found. Default is 0. Previously, the parameter was only supported for Reverse Geocode `mode=retrieveAreas`.

API Changes

Added

- Request parameter value `includeMicroPointAddresses` added to include Micro Point Address matching and retrieval. For more information, see the related section in the Geocoder API Developer's Guide.

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	Point addresses not found in the Crimea in the default Political View. Geocoder has some cases where point addresses in the Crimea were not available in the default Political View and were only found in the Russian Political View of the Crimea. This has been addressed and the Geocoder now returns the correct point address. **Examples**: "Kyivska vulytsia, 76, Simferopol" now returns the more accurate point address instead of the interpolated address. "Polova vulytsia, 26/12, Simferopol" used to return the interpolated "Polova vulytsia, 26, Simferopol" and now returns "Polova vulytsia, 26/12, Simferopol"

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 a 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.
	Example:
	彰化縣彰化市介壽北路1號
	House number 1 is not in the map data. The result is therefore a fallback to house number 19:
	No. 19, Jie Shou N. Rd., Changhua City, Changhua County 500, Taiwan
	But if a house number fallback is not accepted (parameter: `additionaldata=HouseNumberMode,Streetlevel`), then the result is expected to be a street level match:
	Jie Shou N. Rd., Changhua City, Changhua County 500, Taiwan
	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:
	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`
	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 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 `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. The navigation coordinate is correct only when the query matches a house number in addition to the building name (`MatchQuality` element `houseNumber` exists in the result).
	Example:
	The queries
	Shek Wu Shui Baptist Chapel, Hong Kong

#	Description
	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.
6	The country shape returned in the default Political View of the Crimea is Russia, this will be corrected in a future release to be the Ukrainian country shape.

Limitations and Workarounds

There are no limitations and workarounds in this release.