Geocoder API

Release Notes

Version 6.2.83

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Document Information

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Chapter

1

Overview

Topics:

- *D57 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.

D57 Highlights

- Bug fixes for the following disputed areas: The Spratly Islands, the Paracel Islands and the Kashmir region.
- Allow search for addresses by building and city name in Latvia. It is common in rural areas that streets do not have names.
- Taiwan map update to 2015Q1
- 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

Current map data version is 2015Q1 with the following exceptions:

• Russia and Ukraine remain at 2014Q3.

• Hong Kong remains at 2014Q2.

• China, Macau updated to 2014Q4.

Chapter

3

D57 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	Administrative change in Taoyuan city in Taiwan
	Since 25 Dec 2014, Taoyuan County in Taiwan became the 6th special municipality and changed its name to Taoyuan City. The original county-controlled Taoyuan City concurrently became Taoyuan District.
	The other 5 municipalities are Taipei City, New Taipei City, Taichung City, Tainan City, and Kaohsiung City.
	We adapted the admin hierarchy level and match logic in the Geocoder. With this adaptation, we were able to update to 2015Q1 map data in Taiwan.
2	The Geocoder now provides a neutral territorial view for the Spratly and Paracel Islands in the South China Sea of no response by default, other views available are the Vietnamese view
	Example:
	Query without political view parameter:
	`geocode.json?prox=7.6808132,111.5774475,10000&mode=retrieveAddresses`
	Result:
	Empty response (neutral territory)
	Query requesting the political view for Vietnam:
	`geocode.json?` `prox=7.6808132,111.5774475,10000&mode=retrieveAddresses&politicalview=VNM`
	Result:

	`label: "Huyen Dao Truong Sa, Vietnam",`
	`country: "VNM",`
	`county: "Khanh Hoa",`
	`city: "Huyen Dao Truong Sa"`

3	The pockets and slivers of Indian administrations have been resolved for the default view of the Kashmir region, which now returns the neutral territory result of no response.
	Example:
	Query without political view parameter:
	`geocode.json?prox=34.7505826,77.0925299,10000&mode=retrieveAddresses`
	Result:
	Empty response (neutral territory)
	Previous result:
	`label:  "Nubra, JK, India",` `country:  "IND",`

#	Description

```
state:  "JK",
county:  "Leh (Ladakh)",
city:  "Nubra",
postalCode:  "194401"
```

4

The default view of the Western Saharan region has been set to neutral territory by returning no response. A Moroccan view is now available that shows this region as a part of Morocco.

Example:

Query without political view parameter:

```
geocode.json?prox=24.118844,-13.7725855,10000&mode=retrieveAddresses
```

Result:

Empty response (neutral territory)

Query requesting the political view for Morocco:

```
geocode.json?
prox=24.118844,-13.7725855,10000&mode=retrieveAddresses&politicalview=MAR
```

Result:

```
label:  "Oum Dreyga, Oued Eddahab-Lagouira, Morocco",
country:  "MAR",
state:  "Oued Eddahab-Lagouira",
county:  "Oued Ed-Dahab",
city:  "Oum Dreyga"
```

5

The Geocoder was not able to find the Argentinian State of "Tierra del Fuego". This has been resolved.

Example:

Query:

```
geocode.json?searchtext=Tierra del Fuego, ARG
```

Current result:

```
label:  "Tierra del Fuego, Argentina",
country:  "ARG",
state:  "Tierra del Fuego"
```

Previous result:

Empty response

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Performance: Queries where the `searchtext` contains a spelled out country name were significantly slower than queries without country name or where the country code is provided in the parameter `country`.

This issue is resolved. Queries with spelled out country name are now as fast as those without the country name.

Examples:

```
searchtext=46 Canterbury Street, Cape Town, Western Cape, South Africa
searchtext=46 Canterbury Street, Cape Town, Western Cape
searchtext=46 Canterbury Street, Cape Town, Western Cape&country=ZAF
```

7

Reverse Geocoder does not consider cities in the Netherlands when sorting near-by cities by population

#	Description
	Because of admin level shifting, the Geocoder does not have population information for cities in some countries. Examples include NLD, DNK, SWE, NOR, and ZAF. The map data contains population information for order 8 entities. In those countries with admin shifts some or all order 8 entities are mapped to county level. Built-ups (for which no population is available in the map data) are then mapped to the city.
	This issue is fixed. These cities are now considered in near-by searches sorted by population.
	The example below shows the results from a near-by city search around the city of Eindhoven, NLD. Before, all returned matches were in the neighboring countries of Belgium and Germany (image on the left). Now, cities in the Netherlands are considered and returned (image on the right). The first result is now Eindhoven.
	D56 response: **D57 response:**

Enhancements

The following table contains enhancements.

#	Description
1	Latvia: Use building names in address search
	In rural areas in Latvia it is common that many streets have the same name as the city. Buildings that belong to these streets have names and people use these building names when searching for an address.
	In the map data, building names are encoded as Point Address. The Geocoder now supports this kind of search.
	Query patterns that are now supported and match to the same location are:
	• Building name plus city name
	• Building name plus street and city name
	For further disambiguation people often add the postal code and/or county name. The Geocoder supports these patterns as well.

#	Description

Example:

Building Kalnu Niedras on street Jūrmala in 2010 Jūrmala, Latvia.

Query pattern	Example	Result

Building + city	Kalnu Niedras, Jūrmala	```matchLevel: "houseNumber",```
		```matchQuality: {```
		``` city: 1,```
		``` building: 1```
		``` },```
		```matchType: "pointAddress",```
		```...```
		```label: "Jurmala, Jurmala, LV-2010, Latvija",```
		```country: "LVA",```
		```county: "Jurmala",```
		```city: "Jurmala",```
		```street: "Jurmala",```
		```postalCode: "2010"```
		```building: "Kalnu Niedras"```

Building + street + city	Kalnu Niedras, Jūrmala, Jūrmala	same as above

2   Point Address PVID added to response

Forward and reverse geocode results now contain the Point Address PVID in addition to the admin PVIDs. Client applications can request the PVIDs via `locationattributes=`(one of `mr`, `mapReference`, `all`). The result contains the Point Address PVID in the field `addressId`, which is part of the `mapReference` section.

Example:

Query:

```
searchtext=Invalidenstr 116 Berlin&locationattributes=mapReference
```

Result:

```
address: {
    label: "Invalidenstraße 116, 10115 Berlin, Deutschland",
    ...
    mapReference: {
        referenceId: "931447247",
        mapId: "UWAM151W4",
        mapVersion: "Q1/2015",
        spot: 0.31,
        sideOfStreet: "right",
        countryId: "20147700",
        stateId: "20187401",
        countyId: "20187402",
        cityId: "20187403",
        districtId: "20187417",
        addressId: "198456196"
    }
}
```

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 are not able to be geocoded - Q2 2013 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, then 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 – though 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 state is empty (should be 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. Only when the query matches a house number in addition to the building name (MatchQuality element houseNumber exists in the result) the navigation coordinate is correct. **Example:** The queries Shek Wu Shui Baptist Chapel, Hong Kong and

#	Description
	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.