

# Map Data

## Release Notes

Version 8.30.61.107

**here**

# Contents

- Legal Notices..... 3**
- Document Information..... 4**
  
- Chapter 1: Overview..... 5**
  
- Chapter 2: Release Highlights..... 6**
  - Map Content Update.....7
  - Countries with an Updated Coverage Level.....8
  - Countries with Earthcore Buildings Coverage.....9
  - Public Transit Improvements.....10
  - Package Improvements.....14
  
- Chapter 3: Content Overview..... 15**
  - Navigable Countries.....16
  - Intermediate Countries.....20
  - Entry Map Countries.....22
  
- Appendix A: Glossary..... 24**
  - Coverage Levels.....25

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## Document Information

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# Chapter 1

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## Overview

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The scope of this document is to provide the release notes for the Map Data version 2015Q4, also known as 8.30.61.107.

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# Chapter 2

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## Release Highlights

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Topics:

- *Map Content Update*
- *Public Transit Improvements*
- *Package Improvements*

The highlights consist of various map content updates.

## Map Content Update

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2015Q4 provides a content update for the regions shown in the following table.

Region	Content release
Europe (WEU, EEU)	2015Q4
Middle East, Africa (MEA)	2015Q4
Asia Pacific (APAC)	2015Q4
Oceania (AU)	2015Q4
India, South Asia (IND)	2015Q4
Taiwan (TWN)	2015Q4
South America (SAM)	2015Q4
North America (NA)	2015Q4
Iran	Q1/2015 THTC/Logiball GDF

# Countries with an Updated Coverage Level

## China entry map

### Description

There was a planned switch of Mainland China from shifted navigable NavInfo dataset to unshifted HERE Entry Map in 2015Q4 due to legal and licensing decisions.

Unshifted navigable HERE dataset is used for Hong Kong and Macau.

Figure 1: 2015Q3: shifted China navigable map

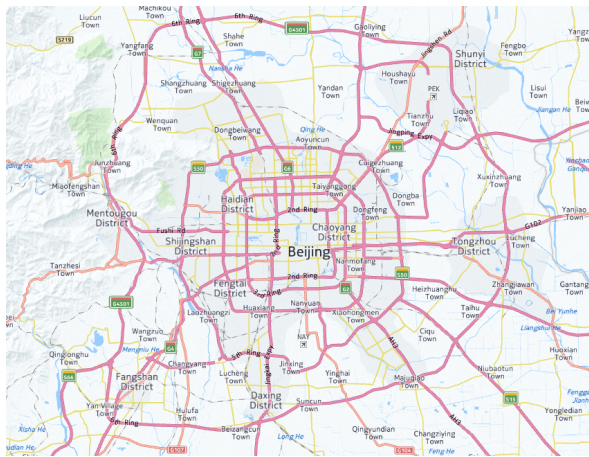
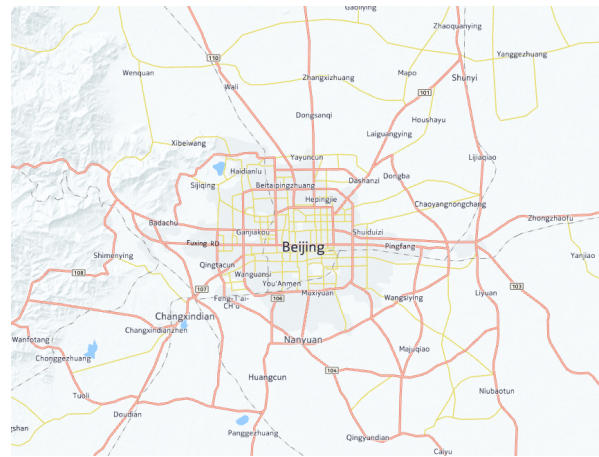


Figure 2: 2015Q4: unshifted China entry map



### Feature Visibility

All clients.



## Countries with Earthcore Buildings Coverage

2015Q4 adds support of extruded buildings and 3D landmarks from the Earthcore database for the following countries:

- American Samoa
- Andorra
- Argentina
- Brunei
- Bulgaria
- Colombia
- Gibraltar
- Monaco
- San Marino
- Singapore
- Ukraine
- Uruguay
- Vatican City State
- Venezuela

## Public Transit Improvements

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Starting from 2015, HAFAS is the only source of public transit data available to us. The switch to the HAFAS data source improves the PT line geometry and increases the data freshness compared to the Public Transit RDF plugin. 2015Q4 implements the following improvements in Public Transit.

### Improvements

In 2015Q4, the transit content was refreshed and updated by introducing additional 69 new regions with full and complete transit coverage. The updated content features 8 new metro systems and the Berlin tram network. All transit content supports real graphs. This in turn lead to the retirement of additional 140 systems coming from the legacy NTM product.

#### Tram System

- Berlin Tram (Germany)

#### Metro Systems

- Baku (Azerbaijan)
- Cairo (Egypt)
- Caracas (Venezuela)
- Lima (Peru)
- Minsk (Belarus)
- Panama City (Panama)
- Santo Domingo (Dominican Republic)
- Sofia (Bulgaria)
- Tashkent (Uzbekistan)
- Tbilisi (Georgia)

#### Refreshed or new regions

- BARNAUL
- BELGIUM
- BENEVENTO
- BIYSK
- BOUCHES DU RHONE MONTPELLIER
- CAHORS
- CAMPINA GRANDE
- CHAMPAIGN URBANA
- CHARLESTON

- CHENNAI
- CHIETI
- CONCEPCION
- DENVER COLORADO SPRINGS
- ESTONIA
- FARGO
- FLORIDA
- FOGGIA
- FORTALEZA
- FUNCHAL MADEIRA ISLAND
- GORIZIA
- GRANADA
- HORTOLANDIA
- HOUSTON
- HUESCA
- IRELAND
- IRKUTSK
- KALININGRAD
- KRASNOYARSK
- LONDRINA
- LYON
- MANILA
- MENDOZA
- METZ
- MONCTON
- MUMBAI
- NABEREZHNYE CHELNY
- NASHVILLE
- NEW ORLEANS
- NEW YORK CITY
- NEW YORK STATE
- OKLAHOMA CITY
- PORTO\_ALEGRE
- RAJKOT
- RECIFE
- REGION DE LOS LAGOS
- RIGA
- ROSTOV ON DON
- SALVADOR

► Release Highlights

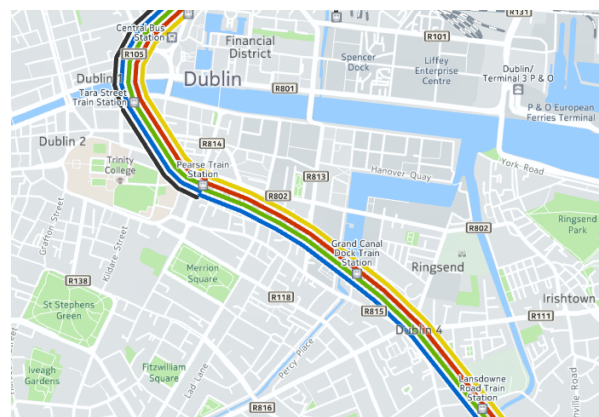
- SANTIAGO
- SARDINIA
- SEVILLA
- SOCHI
- SPRINGFIELD IL
- ST LOUIS
- TARRAGONA
- TERRE HAUTE IN
- THUNDER BAY
- TOGLIATTI
- TOSCANA
- TRAPANI
- TRENTO
- VALPARAISO
- VENETO
- VLADIMIR
- VOLGOGRAD
- VOLOGDA
- WASHINGTON DC BALTIMORE
- WELLINGTON
- YAROSLAVL

## Improved order of multiple transit lines

Figure 3: 2015Q3: example of inconsistent order of multiple transit lines in Dublin



Figure 4: 2015Q4: improved order of multiple transit lines



## Improved handling of timetable validity intervals

Timetable validity interval is set depending on the validity of each public transit line.

## Removal of Public Transit data for Mainland China

Public Transit data is not included for Mainland China as the coverage level is entry map. Public Transit data is available for Hong Kong and Macau.

## Package Improvements

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Map packages for Australian states and territories:

- Australian Capital Territory
- New South Wales (including Jervis Bay Territory)
- Northern Territory
- Queensland
- South Australia
- Tasmania
- Victoria
- Western Australia

Other map package updates:

- Removal of China map package (including provinces), because entry map is not very usable. China is downloadable only as part of Asia package. Hong Kong and Macau are available as a separate map package.
- Updated map package definition for Argentina, so that Falkland Islands, South Georgia and Sandwich Islands are included
- Updated map package definition for Russia, so that Crimea is included

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# Chapter 3

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## Content Overview

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**Topics:**

- [Navigable Countries](#)
- [Intermediate Countries](#)
- [Entry Map Countries](#)

This section provides an overview of countries with navigable, intermediate map and entry map coverage.

📄 **Note** For detailed information on coverage levels, see [Coverage Levels](#) on page 25

## Navigable Countries

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■ **Note** Navigable countries have either Navigable Map or i1 Intermediate Map coverage. For detailed information on coverage levels, see [Coverage Levels](#) on page 25.

- ALGERIA (i1 coverage level)
- ALBANIA
- AMERICAN SAMOA (i1 coverage level)
- ANDORRA
- ARGENTINA
- AUSTRALIA
- AUSTRIA
- BAHAMAS
- BAHRAIN
- BELARUS (Base and City-to-City)
- BELGIUM
- BOSNIA and HERZEGOVINA
- BOTSWANA
- BRAZIL
- BRUNEI
- BULGARIA
- BURKINA FASO (i1 coverage level)
- CAMEROON (i1 coverage level)
- CANADA
- CAYMAN ISLANDS
- CENTRAL AFRICAN REPUBLIC (i1 coverage level)
- CHAD (i1 coverage level)
- CHILE
- COLOMBIA
- CONGO, REPUBLIC OF THE (i1 coverage level)
- COSTA RICA
- COTE D'IVOIRE (IVORY COAST) (i1 coverage level)
- CROATIA
- CYPRUS
- CZECH REPUBLIC
- DENMARK
- EGYPT
- EQUATORIAL GUINEA (i1 coverage level)



- ESTONIA
- FALKLAND ISLANDS (ISLAS MALVINAS) (base coverage, disputed with Argentina)
- FINLAND
- FRANCE
- FRENCH GUIANA
- GABON (i1 coverage level)
- GERMANY
- GIBRALTAR
- GREECE
- GUADELOUPE
- GUAM (i1 coverage level)
- HONG KONG
- HUNGARY
- ICELAND
- INDIA
- INDONESIA
- IRAN
- IRAQ (i1 coverage level)
- IRELAND
- ISLE OF MAN
- ISRAEL
- ITALY
- JORDAN
- KAZAKHSTAN
- KENYA
- KOSOVO
- KUWAIT
- LATVIA
- LEBANON
- LESOTHO
- LIBYA (i1 coverage level)
- LIECHTENSTEIN
- LITHUANIA
- LUXEMBOURG
- MACAU
- MACEDONIA
- MALAYSIA
- MALTA
- MARTINIQUE

- MAURITANIA (i1 coverage level)
- MAURITIUS (i1 coverage level)
- MAYOTTE
- MEXICO
- MOLDOVA (City-to-City)
- MONACO
- MONTENEGRO
- MOROCCO
- MOZAMBIQUE
- NAMIBIA
- NETHERLANDS
- NEW ZEALAND
- NIGERIA (i1 coverage level)
- NORWAY
- OMAN
- PANAMA
- PARAGUAY
- PERU
- PHILIPPINES
- POLAND
- PORTUGAL (AZORES, MADEIRA)
- PUERTO RICO
- QATAR
- REUNION ISLAND
- ROMANIA
- RUSSIA
- SAINT BARTHELEMY
- SAINT HELENA (i1 coverage level)
- SAN MARINO
- SAO TOME AND PRINCIPE (i1 coverage level)
- SAUDI ARABIA
- SERBIA
- SINGAPORE
- SLOVAKIA
- SLOVENIA
- SOUTH AFRICA
- SPAIN
- SWAZILAND
- SWEDEN

- SWITZERLAND
- TAIWAN
- THAILAND
- TUNISIA
- TURKEY
- UKRAINE
- UNITED ARAB EMIRATES
- UNITED KINGDOM (UK)
- URUGUAY
- USA
- VATICAN CITY
- VENEZUELA
- VIETNAM
- VIRGIN ISLANDS (USA)
- ZIMBABWE

## Intermediate Countries

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■ **Note** For detailed information on coverage levels, see [Coverage Levels](#) on page 25.

- ANGOLA (i1 only in Luanda, remaining country i2 partially navigable)
- ARUBA (i2)
- AZERBAIJAN (i1 coverage only in Baku, remaining country i2 and i3 partially navigable)
- BANGLADESH (i1 coverage only in Dhaka and Chittagong, remaining country i2 and i3 partially navigable)
- BARBADOS (i3)
- BELIZE (i2, i3)
- BENIN (i2 only in Cotonou, i3 remaining country)
- BERMUDA (i2)
- BOLIVIA (i2, i3)
- BURUNDI (i1 coverage only in Bujumbura, remaining country i3)
- CAPE VERDE (i3)
- CAMBODIA
- COMOROS (i3)
- CONGO, DEMOCRATIC REPUBLIC (i3)
- CUBA (i2)
- DJIBOUTI (i3)
- DOMINICAN REPUBLIC (i2)
- ECUADOR (i2)
- EL SALVADOR (i2)
- ERITREA (i3)
- ETHIOPIA (i3)
- FIJI (i2)
- GAMBIA (i3)
- GAZA STRIP(i3)
- GEORGIA (i3)
- GHANA (i2 only for Accra, remaining country i3)
- GUATEMALA (i2)
- GUINEA (i2 only for Conakry, remaining country i3)
- GUINEA-BISSAU (i3)
- GUYANA (i2, i3)
- HONDURAS (i3)
- JAMAICA (i2, i3)
- KYRGYZSTAN (i3)

- LIBERIA (i3)
- MADAGASCAR (i3)
- MALAWI (i1 coverage only in Lilongwe, Mzimba, Zomba and Blantyre, remaining country i3 partially navigable)
- MALDIVES (26% i1 coverage, 22% i2 coverage, 52% i3 partially navigable)
- MALI (i3)
- MONGOLIA (i3)
- NEPAL (i1 coverage only for Kathmandu and Bharatpur, remaining country i2 partially navigable)
- NICARAGUA (i2, i3)
- NIGER (i3)
- NORTHERN MARIANA ISLANDS (i3)
- PAKISTAN (i1, i2, i3)
- RWANDA (i1 Kigali, remaining country i2 partially navigable)
- SAINT KITTS AND NEVIS (i2)
- SAINT VINCENT AND THE GRENADINES (i2)
- SENEGAL (i1 coverage only for Dakar, Kaolack, Louga and Tambacounda, remaining country i2 and i3 partially navigable)
- SEYCHELLES (i3)
- SIERRA LEONE (i3)
- SOMALIA (i3)
- SRI LANKA (i1 coverage only for 10% of the road network, i2 coverage for remaining 90% partially navigable)
- SUDAN (i3)
- SURINAME (i1 coverage only in Paramaribo, Lelydorp, Niew Nickerie, remaining country i2 and i3 partially navigable)
- SYRIA (i3)
- TANZANIA (i1, i3)
- TOGO (i2 Lome, remaining country i3)
- TRINIDAD AND TOBAGO (i3)
- UGANDA (i1, i3)
- UZBEKISTAN (i3)
- YEMEN (i3)
- ZAMBIA (i1 coverage only in Lusaka, Livingstone, Kitwe and Ndola, remaining country i2 and i3 partially navigable)

## Entry Map Countries

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☰ **Note** For detailed information on coverage levels, see [Coverage Levels](#) on page 25.

- AFGHANISTAN
- ANGUILLA
- ANTARCTICA
- ANTIGUA AND BARBUDA
- ARMENIA
- BHUTAN
- BONAIRE
- BRITISH INDIAN OCEAN TERRITORY
- BRITISH VIRGIN ISLANDS
- CHINA
- COOK ISLANDS
- CURACAO
- DOMINICA
- FAROE ISLANDS
- FRENCH POLYNESIA
- GREENLAND
- GRENADA
- HAITI
- JAPAN
- KIRIBATI
- LAOS
- MARSHALL ISLANDS
- MICRONESIA
- MONTSERRAT
- MYANMAR (BURMA)
- NAURU
- NEW CALEDONIA
- NIUE
- NORTH KOREA
- PALAU
- PAPUA NEW GUINEA
- PITCAIRN
- SAINT LUCIA

- SAINT MARTIN
- SAINT PIERRE AND MIQUELON
- SAMOA
- SINT EUSTATIUS
- SINT MAARTEN
- SOLOMON ISLANDS
- SOUTH GEORGIA AND THE SOUTH SANDWICH ISLANDS
- SOUTH KOREA
- SOUTH SUDAN
- SVALBARD
- TAJIKISTAN
- TIMOR-LESTE (EAST TIMOR)
- TOKELAU
- TONGA
- TURKMENISTAN
- TURKS AND CAICOS ISLANDS
- TUVALU
- VANUATU
- WALLIS AND FUTUNA

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# Appendix

# A

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## Glossary

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Topics:

- [Coverage Levels](#)

This section provides information on selected terms and concepts.



## Coverage Levels

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[Navigable Countries](#) on page 16, [Intermediate Countries](#) on page 20, [Entry Map Countries](#) on page 22 and other parts of this document use the following terms describing various coverage levels:

### Navigable Maps

This map status stands for HERE-verified map content. It splits up into the following coverage levels:

<b>Prime</b>	Prime is the highest coverage level and has the most detail and enables door-to-door routing functionality.
<b>Complete</b>	Level between Network and Prime; complete coverage areas having Prime coverage road inclusion, but the attributing of these roads not meeting Prime coverage
<b>Network</b>	Network coverage including the main highway network and all the necessary attributes required to allow routing from city to city
<b>City-to-City</b>	Minimum coverage in areas before completing Prime, Complete, or Network coverage

### Intermediate Maps

This map status represents a separate class of map data designed for customers requiring fast time to market and who desire HERE's service and support to introduce LBS and navigation applications in emerging markets, while inclusion and accuracy of geometry, attributes and features is provided by third party sources only and translations of source data and coding assignments are derived based on automated rules and processing.

The following coverage indicator values define intermediate map functionality:

<b>i1</b>	Urban routing or point-to-point routing
<b>i2</b>	Search and display
<b>i3</b>	Display only

## Entry Maps

This map status supports geocoding and location look-up. Maps with this status contain high-level road-class geometry.