Romania

Data Coverage Q1 2013 Highlights.

Prime
Complete

Coverage

- The area covers the country of Romania.
- The HERE Map Content of Romania covers 52% of the population as Prime Coverage and the rest of the population as Complete coverage.
- Address Ranges are present for 48% of the population.

General Country Statistics for Romania

Population	21,698,181
Area (KM^2)	238,391
Municipalities	-
KM of Road	166,150

Select Content

Content features available with the
HERE Map Content of Romania:

- 2D Generalized Junction Visuals
- 2D Junctions
- 2D Signs
- 3D Junctions
- 3D Landmarks
- Basic 3D City Models
- Basic Height
- Core POI
- Driver Alert
- Enhanced Curvature
- Extended Lanes and Lane Markings

- Fuel Types
- Pedestrian Venues
- Point Addressing
- Postal Code Boundaries
- Safety Cameras
- Speed Limits
- Traffic Signals and Stop Signs
- Transit and Pedestrian Content
- Truck POI
- Trucks
- Lonely Planet Travel Guide

For POI, this release contains 75 categories, totaling 193,029 POIs. Some key category highlights include:

3,744	2,813	5,464	1,575

Coverage

Romania

	Population / Area
Prime Coverage	11,283,054
Complete Coverage	10,415,127
Network Coverage	-
City-to-City Coverage	-
Base Coverage	-
Total Coverage	21,698,181
	Percentage
Prime Coverage	52%
Complete Coverage	48%
Network Coverage	-
City-to-City Coverage	-
Base Coverage	-
Total Coverage	100%
Road Network	KM
Verified Roads	51,671
Integrated Roads	114,479
Total Roads	166,150

Content   Romania

ADAS / Trucks

Enhanced Geometry: –

Enhanced Curvature:
Functional Class 1   100%
Functional Class 2   100%
Functional Class 3   100%
Functional Class 4   100%

Enhanced Height and Slope: –

Trucks: 100%
Functional Class 1   100%
Functional Class 2   34%
Functional Class 3   34%
Functional Class 4

Traffic Codes

Number of Traffic Codes   2,747   Traffic Nav
                                                   KFT

Visual Content

Number of 3D Landmarks   23

Number of Basic 3D City Models   2

Natural Guidance

Number of Cities   –

Transit and Pedestrian Content

Number of Pedestrian Cities   1

POI Category	Total	POI Category	Total
Airport	23	Library	787
Amusement Park	28	Marina	2
ATM	5,464	Medical Service	7,702
Automobile Dealership	619	Motorcycle Dealership	2
Bank	6,057	Museum	325
Book Store	720	Nightlife	2,170
Bowling Centre	14	Office Supply & Serv	4,291
Bus Station	243	Open Parking Area	6,301
Business Facility	3,798	Other Accommodation	1,068
Campground	40	Park & Ride	16
Casino	186	Parking Garage	54
Cemetery	3,208	Petrol Station	2,813
Cinema	101	Pharmacy	5,574
City Centre	13,279	Place Of Worship	7,801
City Hall	3,230	Police Station	3,292
Clothing Store	11,097	Post Office	3,678
Coffee Shop	2,681	Railway Station	525
Community Centre	1,965	Recreation Facility	987
Commuter Rail Station	102	Rent A Car Facility	100
Consumer Electronics	4,462	Residential Area/Building	24
Convenience Store	10,387	Rest Area	37
County Council	64	Restaurant	3,744
Court House	167	School	14,341
Department Store	93	Shopping Centre	185
Embassy	108	Ski Lift	13
Exhibition Centre	62	Ski Resort	1
Ferry Terminal	7	Specialty Store	30,504
Frontier Crossing	29	Sporting Goods Store	521
Golf Course	2	Sports Activity	55
Government Office	1,566	Sports Centre	1,013
Grocery Store	6,583	Theatre	100
Historical Monument	737	Tourist Attraction	374
Home Improvement	4,359	Tourist Office	11
Home Specialty Store	2,962	Truck Dealership	54
Hospital/Polyclinic	682	University Or College	349
Hotel Or Motel	1,575	Vehicle Repair Facility	6,014
Ice Skating Rink	19	Winery	120
Industrial Zone	1,362		
		Total POIs	193,029

Note: these are GDF statistics which can differ from the specific product statistics.

Differences Between Q4/12 and Q1/13 Release

Main Enhancements
- The following cities have been updated: Deva (HD), Ramnicu Valcea (VL), Targu Jiu (GJ).
- 3D Landmarks have been added to the following cities: Cluj Napoca (15 3D Landmarks), Iasi (10 3D Landmarks), Timisoara (15 3D Landmarks).

Via Areas:
- Via Area coding has been applied to 59 City Via Areas, 11 Border Crossing Via Areas, 1 Ferry Via Area and 3 Street Via Areas. Total: 74 Via Areas.

New significant geometry has been added:
- New FC1 A1 highway between Arad and Remetea Mare.
- Upgrades and Downgrades of FC network inside the city of Timisoara to improve routing.
- New FC2 motorway A4 around Constanta, and downgrade of DN3C to FC3.
- New FC2 A4 highway from Constanta (junction E81/DN3) to Built Up Area Lumina.
- No U-turns have been added on intersections where Left turn is not allowed (according CSA Romania).
- Extended Lanes and Lane Markings coding has been applied on FC1-4 in the city of Pitesti (100%) and Constanta (40%).
- The Navigation Attributes Speed Limits, NAVTEQ Transport, Signs, Signals and Warnings have been updated on approx. 2,750km FC3-4 roads all over the country.
- The Limited Access Road (YES) attribute has been applied globally to links coded as Controlled Access (YES). Additionally in Romania the Limited Access Road (YES) attribute has been applied on selected roads coded as Controlled Access (NO), representing the non-motorway Controlled Access road network.

POI and Other Content Additions/Enhancements
Updates:
- Quarterly update performed on the Auto Dealers.
- Quarterly update performed on the Truck Dealers.
- Quarterly update performed on the Motorcycle Dealers.
- Quarterly update performed on the Auto Service Maintenance.
- Quarterly update performed on the Auto Service Maintenance Van and Truck.
- Quarterly update performed on Direct Access.

New:
- New inclusion performed on Truck and Bus Dealers.
- New inclusion performed on Auto Service Maintenance Truck and Bus.

Differences Between Q3/12 and Q4/12 Release

Main Enhancements

Major Cities/Towns and Updates added this release:

• The following cities have been updated: Pitesti and Sibiu.

Point Addressing:

• Total Point Addressing: 256,907.

Other highlights:

• Via Areas update: Via Area coding applies to 57 City Via Areas, 11 Border Crossing Via Areas, 1 Ferry Via Area, and 3 Street Via Areas, which makes a total of 72 Via Areas.

New significant geometry has been added:

• A3 highway from Bucuresti to Ploiesti.
• A2 highway from Cernavoda to Murfatlar.
• Toll Information has been added on all Route Type 3 roads for Romania (with Toll Information Vignette Romania).
• 2D Landmarks:
• Approx. 5,800 new 2D landmarks have been added in the city of Timisoara.

POI and Other Content Additions/Enhancements

Updates:

• Quarterly update performed on the Auto Dealers.
• Quarterly update performed on the Truck Dealers.
• Quarterly update performed on the Auto Service Maintenance.
• Quarterly update performed on the Truck and Van Service Maintenance.
• Quarterly update performed on Direct Access.

New:

• New inclusion performed on Auto Dealers.
• New inclusion performed on Auto Service Maintenance.
• New inclusion performed on Direct Access.
• Approx. 1,790 POIs have been added.

Differences Between Q2/12 and Q3/12 Release

Main Enhancements

Major Cities/Towns and Updates added this release:

• The following cities have been updated: Miercurea Ciuc, Dolhasca, Bacau, Slatina, Cluj Napoca, and Constanta.

Point Addressing:

• Total Point Addressing: 257,032.

Discover Cities:

• Public Transit Access and Public Transit Stop POIs have been added during the ongoing DICI project in the Bucharest area (Bucharest and Otopeni). This project has been finished for this release quarter.
• City of Bucharest received different data (public transport information, pedestrian crossing, pedestrian geometry in parks and the city center area) which can be used for pedestrian navigation through the city.

Other highlights:

• Via Areas: Via Area coding has been applied to 60 City Via Areas, 11 Border Crossing Via Areas, 1 Ferry Via Area, and 3 Street Via Areas, which makes a total of 75 Via Areas.
• New significant geometry has been added: New bridge in Bucharest at the intersection with Barbu Vacarescu Boulevard and Soseaua Pipera. A new part of A1 Highway – between Timisoara and Arad (which includes also Arad Ring Road). New Ring Road around Drobeta-Turnu Severin.
• Toll Information has been added on all Route Type 1 and 2 roads for Romania (with Toll Information Vignette Romania).

POI and Other Content Additions/Enhancements

Updates:

• Quarterly update performed on the Auto Dealers.
• Quarterly update performed on the Truck Dealers.
• Quarterly update performed on the Auto Service Maintenance.
• Quarterly update performed on the Auto Service Maintenance Van and Truck.
• Quarterly update performed on Direct Access.

New:

• New inclusion performed on Direct Access.
• Approx. 6,650 POIs have been added.

Differences Between Q1/12 and Q2/12 Release

Main Enhancements

Major Cities/Towns and Updates added this release:

- 55 Built Up Areas have received Prime coverage.
- 2 cities have been updated: Ploiesti and Iasi.

Point Addressing:

- Total Point Addressing: 257,067.

Other highlights:

- Discover Cities: Public Transit Access and Public Transit Stop POIs have been added during the ongoing DICI project in the Bucharest area (Bucharest and Otopeni). This project is continuing.
- Via Areas: Via Area coding has been applied to 60 City Via Areas (new: Ramnicu Sarat), 11 Border Crossing Via Areas, 1 Ferry Via Area, and 3 Street Via Areas, which makes a total of 75 Via Areas.
- DERF 94 "Industrial Zones outside BUA" has been completed for Romania.
- Synergy Update for 3,057 KM of FC1 and new Synergy attributes for 2,186km of FC2.

POI and Other Content Additions/Enhancements

Updates:

- Quarterly update performed on the Auto Dealers.
- Quarterly update performed on the Truck Dealers.
- Quarterly update performed on the Auto Service Maintenance.
- Quarterly update performed on the Auto Service Maintenance Van and Truck.
- Quarterly update performed on Direct Access.

New:

- Public Transit Access and Public Transit Stop POIs have been added during the ongoing Discover City project for Bucharest.