



# Portugal

## COVERAGE

The area covers the country of Portugal, including Madeira.

The NAVTEQ map of Portugal covers 100% of the population in the continental area, in a combination of Prime and Complete Coverage.

This release includes 188,201 Km of roads (99% of road network). 188,098 Km of these roads have been verified.

Address Ranges are present for 100% of the population in the continental area..



## CONTENT

Content features available with the NAVTEQ map of Portugal

- 3D Landmarks
- Discover Cities
- Digital Terrain Model
- Satellite Imagery
- Enhanced Elevation Contours
- NAVTEQ Voice
- Points of Interest
- ADAS Geometry
- Speed Limits
- Extended Lane
- Driver Alert
- Camera Alert
- Toll Information

For POI, this release contains 60 categories, totaling 37,957 POIs. Some key category highlights include :



### Country Statistics for Portugal

<b>Population</b>	10,356,117
<b>Area (km2)</b>	92,152
<b>Municipalities</b>	308
<b>Km Road</b>	190,000

Release Version 2008.2, 23 April 2008

## C O V E R A G E

### ROAD NETWORK

	# Kilometers	% Kilometers
Verified Roads	188,098	99%
Integrated Roads	103	-
Total Roads NAVTEQ map	188,201	99%

### POPULATION / AREA

	# Inhabitants	% Population
Prime Coverage	9,839,343	95%
Complete Coverage	245,011	2%
Total Coverage	10,114,354	97%

### ADDRESS RANGES

	# Inhabitants	% Population
Address Ranges	10,114,354	97%

### MUNICIPALITIES

	# Municipalities	% Municipalities
Prime Coverage	278	90%
Complete Coverage	11	4%
Total Coverage	289	94%

## C O N T E N T

### ADAS

Functional Class 1	100%
Functional Class 2	100%

### TRAFFIC CODES

Number of Traffic Codes	-
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### VISUAL CONTENT

Number of Landmarks	91
Number of 3D City Models	-

### NAVTEQ Discover Cities

Number of Cities	1
Lisbon	

Note: These are Database Statistics which can differ from the specific Product Statistics.

POI Category	Database Total	POI Category	Database Total
Airport	5	Motorcycle Dealership	9
Amusement Park	5	Museum	237
ATM	377	Named Place	18,272
Auto Dealerships	1,285	Neighbourhood	59
Auto Service & Maintenance	778	Night Life	372
Bank	171	Park/Recreation Area	142
Border Crossing	14	Parking Garage/House	87
Bowling Centre	15	Parking Lot	361
Bus Station	14	Performing Arts	64
Business Facility	9	Petrol/Gasoline Station	2,227
Casino	11	Pharmacy	1,296
Cemetery	243	Place of Worship	593
Cinema	64	Police Station	635
City Hall	282	Post Office	719
Civic/Community Centre	5	Public Transit Access	390
Commuter Rail Station	252	Public Transit Stop	246
Convention/Exhibition Centre	13	Public Sports Airport	4
Court House	110	Rental Car Agencies	112
Embassy	175	Rest Area	112
Ferry Terminal	6	Restaurant	2,494
Golf Course	67	School	2,024
Grocery Store	268	Shopping	99
Hamlet	377	Ski Resort	1
Higher Education	41	Sport Centre	182
Historical Monument	297	Sport Complex	84
Hospital	93	Taxi Stand	29
Hotel	785	Tourist Attraction	517
Library	192	Tourist Information	71
Marina	29	Train Station	24
Medical Services	286	Winery	226
		<b>Total POIs</b>	<b>37,957</b>

Note: These are Database Statistics which can differ from the specific Product Statistics.

## DIFFERENCES BETWEEN Q1/2008 AND Q2/2008 RELEASE

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### Main Enhancements

- Phonetic transcriptions are provided for street names, administrative area names, POIs and metadata
- 6 3D landmark has been added
- Lisbon Discover City, with enhancement of pedestrian geometry, aiming mainly in City Downtown, and inclusion of new category POIs as Neighbourhoods, Public Transit Access and Public Transit Stop
- Inclusion of Toll Guidance with the implementation of nearly 250 Toll Structure Conditions in the database. These indicate physical toll structures or automatic controls at exit and entry points along toll road
- Update and enhancement of linear and polygonal water features for Portugal Continental
- Update of Porto, Vila Real, Loulé, Olhão and Silves municipalities
- Inclusion around 700 new destinations in Portugal Continental (Settlements and Hamlets)
- Update and Enhancement of Route Types, mainly in the Districts of Aveiro and Braga

### POI additions/enhancements

- Enhancement of POI coverage for Portugal (mostly in ATM, Grocery Store, Police Stations and Restaurant categories)
- Update of Automobile Dealership POI's for Aston Martin, Audi, BMW, Chevrolet, Chrysler, Mercedes-Benz, Mini, Opel, Porsche and Saab
- Inclusion of Automobile Dealership POI's for Mazda
- Update of Motorcycle Dealership POI's for BMW

## DIFFERENCES BETWEEN Q4/2007 AND Q1/2008 RELEASE

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### Main Enhancements

- Total ADAS compliant
- Updating of Functional Class 2 and inclusion of full AAS coverage and new attributes as Driver Alert and Lane Markings in highway to highway connectors
- Seven digit Postal Codes updated in all the continental area. The areas that correspond to the *freguesias* (administrative level in Portugal, not modelled by NAVTEQ), where there is one single Postal Code (7 digit), were updated
- Revision of existing addresses and update of over than 25,000 links in seven municipalities
- Inclusion of Light/Regional rail road in Porto municipality
- Inclusion of the Ferry route between Aveiro municipality and Ílhavo municipality

### POI additions/enhancements

- Update of Automobile Dealership POI's for Mitsubishi, Volvo, Chrysler and Mercedes
- Inclusion of Auto Service and Maintenance POI's for Mitsubishi

## DIFFERENCES BETWEEN Q3/2007 AND Q4/2007 RELEASE

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### Main Enhancements

- Revision of existing addresses and update of >4,000 address records in the municipality of Porto
- Continued addition of Postal Codes on 7 digit format (xxxx-xxx)
- Updating Functional Class 1 and 2, including incremental for full AAS coverage and new attributes as Driver Alert and Lane Markings in highway to highway connectors
- Inclusion of Lane Marking and Traffic Lights for cities of Lisboa, Porto and Amadora, and connection road to International airports (Porto, Lisboa and Faro), within the junctions with Extended Lane coding
- 1,084 records updated for Voice Product enhancement

### POI additions/enhancements

- Updated Automobile Dealership POIs for Renault, Peugeot, Volkswagen, Skoda, Citroën, Lexus, Toyota, Lamborghini, Seat, Mercedes-Benz, Chrysler, Saab, Opel and Chevrolet
- Update of Auto Service and Maintenance POI's for Renault, Citroën and Seat
- Inclusion of Auto Service and Maintenance POI's for Volkswagen, Peugeot, Skoda, Lexus and Toyota
- Inclusion of new attributes: Star Rating for 747 Hotels, Parsed Address for 426 POI's and Actual Location for 175 POI's (Shopping Center, Golf Course, Amusement Park, BMW Automobile Dealership, Convention/Exhibition Center, Hospitals and Sport Complex)

## DIFFERENCES BETWEEN Q2/2007 AND Q3/2007 RELEASE

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### Main Enhancements

- New Coverage of Madeira Archipelago (Islands of Madeira and Porto Santo), in a total of 11 cities as Complete Coverage, including over 3,200 Km of road network, around 500 settlements (Built Up Areas). All the 11 municipalities have address ranges
- The New Coverage of Madeira Archipelago include the International Airports of Madeira and Porto Santo, the ferry boat connection between Island of Madeira and Porto Santo, POIs for the most important Hotels and Restaurants, as well as the Natural Park of Madeira, which includes the Laurissilva forest, classified by UNESCO as a World Natural Heritage site
- Update of the city of Maia, the fourth most populated city in the Metropolitan Area of Porto and update of Lagoa city in Algarve
- Update/ inclusion of Túnel do Marquês, in Lisbon Municipality, including extended lane information, within the surrounding area of Marquês de Pombal and Amoreiras
- Inclusion of new 3D Landmarks for Portugal continental area in a total of 17 3D Landmarks
- Seven digits Postal Codes updated in all the Districts of Portugal Continental

### POI additions/enhancements

- Inclusion of Automobile Dealership POI's for Mitsubishi
- Update of Automobile Dealership POI's for Jaguar, Chrysler, Mercedes-Benz, Mini, Land Rover and Volvo
- Inclusion of MSP (Merchant Source POI)