

**NAVTEQ DATA
FREQUENTLY ASKED QUESTIONS
DIGITAL MAP DATA FOR ORACLE**



This FAQ addresses frequently asked questions relating to the content, availability, and usage of NAVTEQ boundary mapping data for use with Oracle products.

1.0 General Information

1.1 Overview

On October 23, 2006 Oracle and NAVTEQ [announced](#) a multiyear Agreement to incorporate boundary mapping data into Oracle® Database 10g and other Oracle products. This enables Oracle products and their users to query and display application data using digital maps and in conjunction with digital map data.

With the availability of Oracle Database 11g, we are delivering data for over 40 countries to our users.

1.2 Who is NAVTEQ?

NAVTEQ is a leading provider of comprehensive digital map information for automotive navigation systems, location-based services, and government and business solutions. The company has built one of the most robust and accurate geographic databases in the world.

- Virtually every major automobile manufacturer currently offering a navigation system in North America and Europe uses NAVTEQ® maps in one or more of their models.
- NAVTEQ maps power every major Internet mapping portal in North America and Europe.
- In 2005, NAVTEQ powered more map-enabled devices than any other solution in North America and Europe.
- On average, we estimate 60 million NAVTEQ maps were used everyday in 2005.

NAVTEQ leadership has been achieved through the integrity of the build processes that deliver a map database of unique quality to one worldwide specification. The Chicago-based company was founded in 1985 and has approximately 2,100 employees located in 139 offices in 25 countries.

1.3 Is this data available today?

Yes. Oracle currently distributes boundary data through the [Oracle Technology Network](#) for countries for which NAVTEQ provides data products.

1.4 Which Oracle products can make use of this data? In what format is this data delivered?

Oracle may incorporate and/or make use of this data in any Oracle products. The data is supplied in Oracle's native spatial data format, SDO_Geometry.

2.0 **Description of Data to be Distributed**

2.1 **What kind of map data is Oracle distributing? Which countries are covered?**

Oracle distributes country boundaries for all countries as well as “administrative boundary data” derived from the NAVTEQ product that delineates countries, states and provinces, counties and cities as well as major highways and major roads for the following countries:

Albania	Gibraltar	Poland
Andorra	Great Britain	Portugal
Australia	Greece	Puerto Rico
Austria	Hungary	Romania
Belgium	Ireland	Russia
Bosnia and Herzegovina	Italy	San Marino
Bulgaria	Latvia	Serbia and Montenegro
Canada	Liechtenstein	Slovak Republic
Croatia	Lithuania	Slovenia
Czech Republic	Luxembourg	Spain
Denmark	Macedonia	Sweden
Estonia	Moldova	Switzerland
Finland	Monaco	Ukraine
France	Netherlands	United States
Germany	Norway	Vatican City

Oracle plans to distribute country boundaries as well as “administrative boundary data” derived from the NAVTEQ product that delineates countries, states and providences, countries and cities was well as major highways and major roads for the following countries:

Western Europe: Faroe Islands, Greenland, Guernsay, Iceland, Jersey, Malta, and Man.

Asia Pacific: Hong Kong/Macau, Malaysia/Singapore, and Taiwan.

For certain countries a subset of these data with only country boundaries and major highways will be offered. These are:

“World Markets” countries: Saudia Arabia, Kuwait, Bahrain, Oman, Qatar, United Arab Emirates and South Africa.

2.2 Will other countries be made available in the future?

Yes. Oracle may add data for additional countries as they become available from NAVTEQ.

3.0 Oracle Product Usage

3.1 Which Oracle products can make use of this data? In what format is this data being delivered?

Oracle may incorporate and/or make use of this data in any Oracle products. The data is supplied in Oracle’s native spatial data format, SDO_Geometry.

3.2 Do you require Oracle Spatial to make use of this data?

No. Currently, support for SDO_Geometry format is included in Oracle Database 9i, Oracle Database 10g, Oracle Database 11g and beyond in the following editions: Express Edition, Standard Edition, Personal Edition and Enterprise Edition. (The name of the feature that includes and supports SDO_Geometry is “Oracle Locator”, which is part of the database.)

Also, all editions of Oracle Application Server 10g currently include the Oracle MapViewer component, which supports spatial data in Oracle Database. In addition, Oracle Business Intelligence Enterprise Edition, Oracle Application Express, JDeveloper, and Fusion Middleware Webcenter and Business Activity Monitoring can use this data through their support for MapViewer.

3.3 Will multiple releases of Oracle products be covered?

Yes, many releases will be covered into the future.

3.4 Are there any additional terms and conditions associated with this data? Are there any end-user license restrictions over and above the Oracle EULA?

Yes. Data licensing includes separate requirements. Customers will receive additional license terms when downloading the data from OTN.

3.4.1 Are trademark and copyright notices required when applications use NAVTEQ data?

Trademark and Copyright notices are required on maps generated using NAVTEQ data. Usage guidelines can be found at: developer.navteq.com in the “Best Practices and Co-marketing Guidelines” document under

“[Logos and Copyright Guidance](#)” in the “[Development Resources](#)” section.

3.5 What kinds of applications can benefit from geographic boundary data?

Boundary data is useful in business intelligence, sales analysis, territory management and other business and research applications where displaying and querying information based on regional proximity or clustering adds meaning and clarity to the user. Typical examples are cases where you wish to understand:

- How many customers, sales or assets occur within a city, county or state.
- What the service area or coverage area may look like and what its relationship is to other service areas, its population or its other attributes are.
- Key performance indicators by geography or territory.
- Zoning, districting and jurisdictions overlaid on administrative boundaries.

3.6 How do Oracle products use this data?

Oracle provides this data for customer developed solutions through OTN. Oracle’s spatial technologies, Oracle Spatial, Oracle Locator and Oracle MapViewer will incorporate this data during MapViewer start up in sample applications, Oracle-By-Examples and tutorials. Over time, the Oracle Business Intelligence Enterprise Edition products will incorporate maps based on this data as both a user interface and report type.

3.7 Where can I ask questions or report problems I may have using this data?

There is an Oracle Technology Network [discussion forum](#) at:

“<http://www.oracle.com/technology/discussionforums/spatial.html>”

which is also accessible from the “Oracle Spatial and Locator Resources” box on the OTN homepage for [Oracle Spatial](#).

3.8 Will there be sample applications and demos available with NAVTEQ data?

Yes, sample applications and demos will be available at:

http://www.oracle.com/technology/products/spatial/viewlet_demo_idx.html

4.0 Data Availability

4.1 Is this data currently available?

Oracle currently distributes this data through the [Oracle Technology Network](#).

4.2 How often is this data updated?

NAVTEQ provides Oracle with updates on a quarterly basis. However, as administrative boundaries are often relatively stable, Oracle delivers updates with major releases and through online distribution when required.

4.3 Where do customers get this data? How is this data distributed?

Customers get this data from Oracle. We distribute this data on [OTN](#) as well as on media with certain Oracle products.

4.4 Will there be any charge to customers for this data?

No. This data is provided at no additional cost. However, it may only be used in conjunction with licensed Oracle products.

4.5 If customers want additional geographic data products with street maps data, zip code data, Points of Interest/Yellow Page data, and other more detailed data, is this available and where can they get it?

NAVTEQ offers a variety of data products that will seamlessly integrate with the administrative boundary data that Oracle is providing its customers.

For more information on Oracle compatible NAVTEQ data products visit “<http://developer.navteq.com/>” and register in the “Become A Member” section.

Also, you can visit the [American Digital Cartography inc.](#) web site for additional information.



NAVTEQ DATA FREQUENTLY ASKED QUESTIONS

Digital Map Data for Oracle

August 2007

Author: James Steiner

Contributing Authors: Many

Oracle Corporation

World Headquarters

500 Oracle Parkway

Redwood Shores, CA 94065

U.S.A.

Worldwide Inquiries:

Phone: +1.650.506.7000

Fax: +1.650.506.7200

oracle.com

Copyright © 2007, Oracle. All rights reserved.

This document is provided for information purposes only and the contents hereof are subject to change without notice.

This document is not warranted to be error-free, nor subject to any other warranties or conditions, whether expressed orally or implied in law, including implied warranties and conditions of merchantability or fitness for a particular purpose. We specifically disclaim any liability with respect to this document and no contractual obligations are formed either directly or indirectly by this document. This document may not be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without our prior written permission.

Oracle, JD Edwards, and PeopleSoft, are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.