



# DMTI Spatial™ Product Line Changes August 2005



**really  
smart  
spatial  
solutions™**

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## About DMTI Spatial™

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DMTI Spatial Inc. is Canada's leading spatial solutions provider. We enable users to understand their customers, optimize resources, realize opportunities, maximize profitability and make more informed decisions through accurate products and innovative thinking.

DMTI Spatial publishes precision built street map, rail and routing data (CanMap®), a detailed water layer, and innovative geocoding and address management software (GeoPinpoint™). In addition, DMTI Spatial publishes a full range of positionally accurate geospatial data products including: enhanced points of interest (EPOI), census data and boundaries, postal geography, topographic maps, and US mapping data. As part of a complete business geographic solution, DMTI Spatial offers a wide range of GIS services, consulting, and software training.

Established in 1994, DMTI Spatial is committed to setting the standard within the GIS industry for precision built spatial data and geocoding software products.

At DMTI Spatial, we believe that our true strength comes from working closely with our customers and providing innovative solutions to meet their strategic business objectives. As Canada's premier spatial solutions provider we pride ourselves with having worked with North America's leading organizations to support their mission critical applications.

DMTI Spatial works with large and small organizations representative of a wide variety of industries:

- Agriculture
- Banking/Finance
- Consulting
- Education
- Emergency Services
- Engineering
- Environmental
- Forestry
- Government
- Health
- High Technology
- Insurance
- Manufacturing
- Media
- Mining
- Real Estate
- Retail
- Telecommunications
- Transportation
- Utilities

We are a member of the ESRI Canada Business Partner Program, and winner of the 2001 ESRI Worldwide New Business Partner of the Year Award and the 2005 ESRI Foundation Partner of the Year Award. We are a strategic business partner of MapInfo and winner of the Markham Board of Trade 2000 Award for Entrepreneurship and Innovation. Recipient of The Association of Canadian Map Libraries and Archives (ACMLA) 2002 Certificate of Appreciation.



## Really Smart Spatial Solutions™

Through the application of its products and services, DMTI Spatial has been involved with projects such as: location-based services, logistics planning, emergency dispatch, facilities management, data management, customer care, address management, land base development in support of network planning, and marketing/demographic analysis applications.

DMTI Spatial can provide all of the components necessary for the acquisition, implementation, operation and maintenance of a successful GIS system within companies of all sizes. Through its product and service offering, DMTI Spatial can provide users with 5 key components:

1. Accurate, detailed and compatible data
2. Comprehensive maintenance program
3. GIS software
4. Consulting and services
5. Software training

## DMTI Spatial™ Product & Service Portfolio

DMTI Spatial's product & service offering includes:

### **CanMap®** - *Digital Map Data for Canada*

- CanMap® Streetfiles
- CanMap® RouteLogistics
- CanMap® Rail
- CanMap® Major Roads and Highways
- CanMap® Parks & Recreation
- CanMap® Water

### **Satellite Imagery**

- Satellite StreetView™

### **Municipal Amalgamations**

- CanMap® Municipality Amalgamation File (MAF)

### **Business & Recreational Points of Interest**

- Enhanced Points Of Interest (EPOI)

### **GeoPinpoint™ Suite**

- Canada's Geocoding Solution
- Modular Architecture
- Windows Standalone Desktop Version
- UNIX, Java Wrapper, ActiveX (DLL Version)

### **Topographic Data and Base Maps**

- Canadian Atlas Map Bundle (CAMB)
- Populated Placenames
- National Topographic Data Base (NTDB)
- 30 & 90m Digital Elevation Models (DEM)
- Clutter Data

### **Postal Geography & Data**

- Six-Digit Postal Code File (LDU)
- Enhanced Postal Code File (MEP)
- Forward Sortation Areas (FSA) Boundary File

### **1996 Census Boundaries & Demographic Data**

- Enumeration Area (EA)
- Census Subdivision (CSD)
- Census Division (CD)
- Census Metropolitan Area/Census Agglomeration (CMA/CA)
- Census Tract (CT)
- Federal Electoral Districts (FED)

### **2001 Census Boundaries**

- Dissemination Area (DA)
- Census Subdivision (CSD)
- Census Division (CD)
- Census Metropolitan Area/Census Agglomeration (CMA/CA)
- Census Tract (CT)
- Federal Electoral Districts (FED)

### **GIS Software**

- Contour Modeling and Display
- Demographic Profiling and Lifestyle Targeting
- Geocoding and Mapping Software
- Routing and Logistics

### **Consulting and Services**

- Address Management Solution (AMS)
- Application Development
- Database Marketing
- Data Conversion and Creation
- Database Scrubbing
- Geocoding Services
- GIS Consulting
- Technical Support

## Error Reporting & Wish List Services

DMTI Spatial is committed to building the best products possible for our customers. By using our data every day in your mission critical application you are our best product tester. Please let us know if you have found an error in any of our products so that we can make the correction for the next release.

This is your opportunity to provide feedback directly to the DMTI Spatial Product Development Team. Please be as specific as possible so that we can improve our products quickly and accurately. To access the Error Reporting Web page please visit: <http://www.dmtispatial.com/feedback.htm> or send an e-mail to: [fixme@dmtdispatial.com](mailto:fixme@dmtdispatial.com)

If you have an idea for a new product or an existing product enhancement, please submit your ideas to the Wish List Web page: [http://www.dmtispatial.com/wish\\_list.htm](http://www.dmtispatial.com/wish_list.htm) or send an e-mail to: [wishlist@dmtdispatial.com](mailto:wishlist@dmtdispatial.com)

Over the coming months DMTI Spatial will keep you informed of new product releases, enhancements and strategic alliances. Our goal is to provide you with powerful knowledge based tools to help you attain and maintain your competitive advantage.

## Contact Information

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## **Important Notices**

### **1) Metadata in CanMap® Products**

On May 15<sup>th</sup>, 2005, DMTI Spatial data products incorporated metadata that are ISO 19115:2003 compliant. For the August 15<sup>th</sup> 2005 product release, Metadata for the topography folder within CanMap® Streetfiles will also have full metadata available. This latest addition to the CanMap® line of products is another enhancement that we believe will benefit our users and increase your overall product satisfaction.

### **2) Software Lifecycle and Data Packaging Standards**

Effective August 15<sup>th</sup> 2005, DMTI Spatial packaging formats for ArcGIS data products will only support version 8.3 and above. ArcGIS desktop products include: ArcInfo Desktop, ArcEditor, ArcView and their extensions.

Effective Nov 15<sup>th</sup> 2005, DMTI Spatial packaging formats for MapInfo GIS data products will only support version 6.0 and above.

### **3) Enhancement to CanMap® Streetfiles Centerline Positioning**

The v2005.3 CanMap® Product release features precision realignment of street centerline in the Ottawa, Quebec City and portions of the Greater Toronto Area. Positional shift from previous CanMap® Streets product versions can vary by municipality from 2 to 15 meters. If required, contact your DMTI Spatial account manager for segment positional shift values by municipality.

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## Product Changes and Enhancements

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In keeping with DMTI Spatial's program of continuously updating our files, this release includes:

### **CanMap® Canada Free Directory v2005.3**

#### Data Quality Enhancements Include:

- Enhancements to Daylight Saving / Time Zone layer

#### Metadata (ISO 19115 Compliant):

The v2005.3 release of this product will include support for structured metadata in supporting XML and HTM files.

#### Layer and Field Changes:

- None

### **CanMap® Streetfiles v2005.3**

CanMap Streetfiles is a nationwide street centerline file that provides an accurate digital map fabric for wireless and location based service applications (LBS), market analysis, target marketing, site location analysis, customer service, and asset management as well as several other business applications.

CanMap Streetfiles provides you with comprehensive coverage, detailed attribution, positional accuracy, and current data to supply you with the very best presentation-quality output possible. Its national street centerline includes detailed topographic and geographic features at the highest level for all major Canadian urban areas.

North America's number one choice for Canadian map data, CanMap Streetfiles assists your strategic decision-making process with accurate and detail analysis managing your business decisions effectively.

For customers that seek to locate, analyze, or display their company's customers, prospects, or assets geographically, CanMap Streetfiles is your only choice.

#### Data Quality Enhancements Include:

- Includes all data quality enhancements indicated for the Canada Directory
- Improved and increased naming and addressing across Canada
- Enhanced positional accuracy and graphic completeness in selected urban areas
- Added and named park polygons and points
- Increased naming of existing park polygons and points
- Improved accuracy of municipal amalgamation boundaries by including municipal annexations based on available Provincial/Territorial sources.

#### Metadata (ISO 19115 Compliant):

The v2005.3 release of this product will include support for structured metadata in supporting XML and HTM files.

Field Changes:

- None

## **CanMap® Major Roads and Highways v2005.3**

CanMap Major Roads & Highways is Canada's most up-to-date, precision-based road transportation infrastructure solution for mapping and location based applications.

The development of CanMap® Major Roads & Highways is in direct response to the need for a comprehensive and accurate highway and major road infrastructure throughout Canada.

This innovative data product provides a geographic reference to locate and plan infrastructures such as phone lines or water pipes, for planning community development, or for 'light' web mapping applications.

Data Quality Enhancements Include:

- Includes all data quality enhancements indicated for the Canada Directory
- Improved naming and segment naming consistency across Canada
- Enhanced positional accuracy and graphic completeness in selected urban areas

Metadata (ISO 19115 Compliant):

The v2005.3 release of this product will include support for structured metadata in supporting XML and HTM files.

Field Changes:

- None

## **CanMap® RouteLogistics v2005.3**

CanMap RouteLogistics assists you in enhancing your routing capabilities by improving your staff's travel time to their customer by displaying the best routing options from one location to another. CanMap RouteLogistics also offers you the opportunity to plot out your proposed routes in advance to determine estimated time of arrivals for a given route.

Based on the highest quality street map data available, CanMap RouteLogistics provides detail road and traffic attribution for areas of business, such as routing and fleet management, delivery services, and customer service. Access to detail routing information is key to any organization's strategic plan.

CanMap RouteLogistics can help you make effective business decisions that can lead to optimizing your organization's routing efficiency, which saves time, and ultimately reduce costs.

Data Quality Enhancements Include:

- Includes all data quality enhancements indicated for the Canada Directory
- Improved street segment naming and addressing across Canada
- Enhanced positional accuracy and street segment completeness in selected urban areas
- Enhanced speed limit (SpdLmt\_km) attribution for Ontario and Quebec

Metadata (ISO 19115 Compliant):



The v2005.3 release of this product will include support for structured metadata in supporting XML and HTM files.

Field Changes:

- None

## **CanMap® Six Digit Postal Codes (LDU) v2005.3**

The CanMap Six Digit Postal Code product is a precision-based point file of postal codes across Canada. This Six Digit Postal Code product, contains postal code points positioned to reflect the most representative address. The CanMap Six Digit Postal Code product allows for a 1:1 relationship. For example, a client searching for a specific postal code receives one match for one postal code location.

Data Quality Enhancements Include:

- Postal Codes realigned to CanMap Streetfiles v2005.3

Metadata (ISO 19115 Compliant):

The v2005.3 release of this product will include support for structured metadata in supporting XML and HTM files.

Field Changes:

- None

## **CanMap® Unique Enhanced Postal Codes (UEP) v2005.3**

The Unique Enhanced Postal Code File contains six digit postal codes in Canada. The UEP is more commonly used than the Multiple Enhanced Postal Code File as it allows for a 1:1 relationship, (one postal code match to one postal code location) instead of a one to many relationships. This file contains the postal code; longitude and latitude of each point, 1996 Census population and dwelling counts, and the birth date and retire date of each postal code.

Data Quality Enhancements Include:

- Postal Codes realigned to CanMap Streetfiles v2005.3

Field Changes:

- none

## **CanMap® Multiple Enhanced Postal Codes (MEP) v2005.3**

The CanMap Multiple Enhanced Postal Code product is a precision-based point file representing over 1 million postal codes across Canada, with a geographic link to Statistics Canada's standard 1996 Census Boundaries. The Multiple Enhanced Postal Code product allows for a one to many relationships. For example, one postal code may represent more than one postal code location. The reason this file is called 'Multiple' is because in some cases it is necessary to represent a postal code in more than one location. For example, in new subdivisions, one postal code may represent more than one street.

### Data Quality Enhancements Include:

- Postal Codes realigned to CanMap Streetfiles v2005.3

### Metadata (ISO 19115 Compliant):

The v2005.3 release of this product will include support for structured metadata in supporting XML and HTM files.

### Field Changes:

- none

## **CanMap® Forward Sortation Area Boundaries (FSA) v2005.2**

The CanMap Forward Sortation Area (FSA) Boundary product represents the first three characters of a postal code indicating a specific geographic area. Aligned to nest with CanMap® Six Digit Postal Code and CanMap® Multiple Enhanced Postal Code products, the CanMap® Forward Sortation Area (FSA) Boundary product allows direct marketers and service industries to integrate transactional data with CanMap® Forward Sortation Area Boundaries to define optimal locations for retail presence and define service coverage, sales territories and targeted marketing campaigns.

### Data Quality Enhancements Include:

- Not a scheduled product release but there is realignment of Forward Sortation Area boundaries (FSA) to bounding streets and postal code points

### Metadata (ISO 19115 Compliant):

The v2005.3 release of this product will include support for structured metadata in supporting XML and HTM files.

### Field Changes:

- None

## **CanMap® Rail v2005.3**

CanMap® Rail is Canada's only 1:50,000-scale precision-based railroad network mapping data. Built with the same quality and precision of CanMap, CanMap Rail provides the complete picture of Canada's rail infrastructure currently in operation, including railway lines classified as abandoned.

Data Quality Enhancements Include:

- Enhanced positional accuracy and graphic completeness in selected urban areas using high resolution satellite imagery

Metadata (ISO 19115 Compliant):

The v2005.3 release of this product will include support for structured metadata in supporting XML and HTM files.

Field Changes:

- None

## **CanMap® Municipal Amalgamation File (MAF) v2005.3**

As Canada's most up-to-date Municipal Amalgamation mapping data file, CanMap Municipal Amalgamation File is a supplementary municipality boundary consisting of the data from CanMap Streetfiles and RouteLogistics. CanMap Municipal Amalgamation File reflects recent changes to any amalgamated municipal boundaries, their subsequent changes to name, municipality type and date of amalgamation.

Now clients can keep track and have historical data available when conducting a geographical analysis. CanMap Municipal Amalgamation File supplies an up to date account of a municipality's amalgamation history.

Data Quality Enhancements Include:

- Improved consistency in naming conventions
- Realignment of municipal boundaries to bounding streets

Metadata (ISO 19115 Compliant):

The v2005.3 release of this product will include support for structured metadata in supporting XML and HTM files.

Field Changes:

- A unique ID field has been added to this product to identify each municipality (Decimal, 9, 0)

## **CanMap® Parks & Recreation v2005.3**

As Canada's first attributed National and Provincial Parks mapping data file, CanMap® Parks & Recreation represents national, provincial, and territorial parks across Canada. It is a combination of attributed boundaries and point features.

This nationwide parks and recreation mapping data product is ideal for customers that require consumer navigation and recreational GPS products information. Organizations utilizing travel and tourism Web applications within their enterprise will find this map data product provides them with a great competitive advantage.

CanMap Parks & Recreation will heighten the any organization's analysis of wildlife and environmental studies, infrastructure analysis and planning, and wildlife and environmental risk studies.

### Data Quality Enhancements Include:

- Added and named park polygons and points
- Increased naming of existing park polygons and points
- Improved positional accuracy of park boundaries in selected urban areas

### Metadata (ISO 19115 Compliant):

The v2005.3 release of this product will include support for structured metadata in supporting XML and HTM files.

### Field Changes:

- None

## **CanMap® Populated Placenames v2005.3**

The Populated Placenames database includes Cities, Towns, Villages, Communities, Boundaries and other records describing 'Populated' places across Canada. Based on the Canadian Geographic Names Database (CGNDB) as well as the toponymic data from the National Topographic Database (NTDB), this data product has been enhanced by more accurately aligning the features in relationship to CanMap® Streetfiles. Each point is flagged with a "Precision" code, which categorizes the feature based on its positional accuracy.

### Data Quality Enhancements Include:

- Revised PPN\_Code classification scheme
- Improved naming standards

### Metadata (ISO 19115 Compliant):

The v2005.3 release of this product will include support for structured metadata in supporting XML and HTM files.

Field Changes:

- None

**Enhanced Points of Interest (EPOI) v2005.3**

The Enhanced Points of Interest (EPOI) file is Canada's most comprehensive business and recreational point of interest data for market analysis and location based applications. The file is a national database that contains over 1 million Canadian business and recreational points of interest. Engineered using CanMap® Streetfiles, each EPOI has been accurately geocoded and precisely placed; two criteria that are fundamental to clients that are utilizing or maintaining a location sensitive service/ product offering.

Data Quality Enhancements Include:

- Data refresh performed for v2005.3 release.

Metadata (ISO 19115 Compliant):

The v2005.3 release of this product will include support for structured metadata in supporting XML and HTM files.

Field Changes:

- None

**CanMap® Water v2005.3**

CanMap® Water represents a very detailed coverage of water features across Canada with over 1,000,000 lakes rivers and streams. CanMap Water is engineered from a combination of National Topographic Data Base (NTDB) 1:50,000 and 1:250,000 scale hydrographic mapping data.

Data Quality Enhancements Include:

- Refined the geometry of water bodies in the Greater Toronto Area, Ottawa and Calgary with high-resolution satellite imagery.
- Improved naming consistency in major water bodies across Canada.

Metadata (ISO 19115 Compliant):

The v2005.3 release of this product will include support for structured metadata in supporting XML and HTM files.

Field Changes:

- None

## 2001 Census Boundaries v2005.3

The Canadian Census is conducted by Statistics Canada every five years, and provides a statistical portrait of the country and its people. The 2001 Census Boundaries product includes Dissemination Areas (DA), Census Subdivisions (CSD), Census Divisions (CD), Census Metropolitan Areas (CMA), and Census Tracts (CT) all aligned to DMTI Spatial feature data.

### Data Quality Enhancements Include:

- Improved Census Subdivision Community (CSD) naming consistency across Canada.

### Metadata (ISO 19115 Compliant):

The v2005.3 release of this product will include support for structured metadata in supporting XML and HTM files.

### Field Changes:

- None

## GeoPinpoint™ Suite v2005.3

GeoPinpoint™ Suite positions your data using a powerful and innovative geo-location process called geocoding. GeoPinpoint Suite attaches X and Y coordinates to your facility, customer, or prospect address data for map visualization, analysis or location based applications. The GeoPinpoint Suite takes advantage of a new modular design that allows the software to encompass future module enhancements without jeopardizing its performance or usability.

### Data Quality Enhancements Include:

- The geo-reference database will be released containing CanMap Streetfiles v2005.3, CanMap Postal Geography v2005.3 and is based on the 1996 Census based boundaries.

### Field Changes:

- None