



# DMTI Spatial™ Product Line Changes May 2005



**really  
smart  
spatial  
solutions™**

DMTI Spatial Inc.  
625 Cochrane Drive,  
3rd Floor  
Markham, Ontario  
L3R 9R9 • Canada

P. 905-948-2000  
1-877-477-3684  
F. 905-948-9404

## Table of Contents

---

<b>ABOUT DMTI SPATIAL™</b>	<b>1</b>
Really Smart Spatial Solutions™	2
DMTI Spatial™ Product & Service Portfolio	2
Error Reporting & Wish List Services	3
Contact Information	3
Important Notifications	4
1) <i>Metadata</i>	4
2) <i>ArcGIS Product Lifecycle and Data Packaging</i>	4
3) <i>Precision Realignment of CanMap</i>	4
<b>PRODUCT CHANGES AND ENHANCEMENTS</b>	<b>5</b>
CanMap® Canada Free Directory v2005.2	5
CanMap® Streetfiles v2005.2	5
CanMap® Major Roads and Highways v2005.2	6
CanMap® RouteLogistics v2005.2	6
CanMap® Six Digit Postal Codes (LDU) v2005.2	7
CanMap® Unique Enhanced Postal Codes (UEP) v2005.2	7
CanMap® Multiple Enhanced Postal Codes (MEP) v2005.2	7
CanMap® Forward Sortation Area Boundaries (FSA) v2005.2	8
CanMap® Municipal Amalgamation File (MAF) v2005.2	8
CanMap® Parks & Recreation v2005.2	9
Enhanced Points of Interest (EPOI) v2005.2	10
GeoPinpoint™ Suite v2005.2	11

## About DMTI Spatial™

---

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

DMTI Spatial Inc.  
625 Cochrane Drive, 3rd Floor  
Markham, Ontario  
L3R 9R9 Canada

Telephone: 905-948-2000  
Toll Free: 1-877-477-DMTI (3684)  
Fax: 905-948-9404

Web Site: [www.dmtispatial.com](http://www.dmtispatial.com)  
E-mail: [info@dmtdispatial.com](mailto:info@dmtdispatial.com)  
Error Reporting Service: [fixme@dmtdispatial.com](mailto:fixme@dmtdispatial.com)  
Product Wish List Service: [wishlist@dmtdispatial.com](mailto:wishlist@dmtdispatial.com)  
Technical Support: [support@dmtdispatial.com](mailto:support@dmtdispatial.com)

© 2005 DMTI Spatial Inc. CanMap is a registered trademark of DMTI Spatial Inc. DMTI Spatial, Really Smart Spatial Solutions, Because Where Is What Matters and GeoPinpoint are trademarks of DMTI Spatial Inc. All rights reserved. Other products and company names mentioned herein may be trademarks of their respective companies. Mention of third-party products is for informational purposes only and constitutes neither a recommendation nor an endorsement.

DMTI Spatial is an Authorized User and Distributor of selected Statistics Canada Computer File(s) under Licensing Agreement 6228. No confidential information about an individual, family, household, organization or business has been obtained from Statistics Canada.

© Copyright, HER MAJESTY THE QUEEN IN RIGHT OF CANADA, as represented by the Minister of Industry, Statistics Canada 2003.

Digital Topographic Data produced under License from Her Majesty the Queen in Right of Canada, with permission of Natural Resources Canada and The Queen in Right of Manitoba.

## **Important Notifications**

### **1) Metadata**

On May 15<sup>th</sup>, 2005, DMTI Spatial data products will incorporate metadata that are ISO 19115:2003 compliant. This latest addition to CanMap<sup>®</sup> and its related products is another enhancement that we believe will benefit our users and increase your overall product satisfaction.

Throughout this document the below statement will indicate if Metadata has been added to a given product:

*Metadata (ISO 19115 Compliant):*

*The v2005.2 release of this product will also include support for structured metadata in the user manuals and as provided in XML and HTM files.*

We believe incorporating Metadata will greatly add to you user experience when employing CanMap.

### **2) ArcGIS Product Lifecycle and Data Packaging**

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

### **3) Precision Realignment of CanMap**

The v2005.2 release features precision realignment to sub-metre accuracy in the Greater Toronto Area. The mean positional shift from previous CanMap Streetfile versions is 6.8 m as measured throughout the entire GTA. For more information about this subject, please review the May Product Release Notes.

## **Product Changes and Enhancements**

---

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

### **CanMap® Canada Free Directory v2005.2**

- Data quality enhancement to CANtop boundary to align with 2001 CSD boundary

#### Metadata (ISO 19115 Compliant):

The v2005.2 release of this product will also include support for structured metadata in the user manuals and in supporting XML and HTM files.

### **CanMap® Streetfiles v2005.2**

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 v2005.2 release of this product will also include support for structured metadata in the user manuals and in supporting XML and HTM files.

#### Field Changes:

- None

## **CanMap® Major Roads and Highways v2005.2**

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 v2005.2 release of this product will also include support for structured metadata in the user manuals and in supporting XML and HTM files.

### Field Changes:

- None

## **CanMap® RouteLogistics v2005.2**

If your organization is seeking a quality routing solution that improves your staff's travel times and routing capabilities, CanMap® RouteLogistics is the product you need.

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 and increased naming and addressing across Canada
- Enhanced positional accuracy and graphic completeness in selected urban areas

### Metadata (ISO 19115 Compliant):



The v2005.2 release of this product will also include support for structured metadata in the user manuals and in supporting XML and HTM files.

Field Changes:

- None

## **CanMap® Six Digit Postal Codes (LDU) v2005.2**

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 v2005.2

Metadata (ISO 19115 Compliant):

The v2005.2 release of this product will also include support for structured metadata in the user manuals and in supporting XML and HTM files.

Field Changes:

- None

## **CanMap® Unique Enhanced Postal Codes (UEP) v2005.2**

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 v2005.2

Field Changes:

- none

## **CanMap® Multiple Enhanced Postal Codes (MEP) v2005.2**

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 v2005.2

Metadata (ISO 19115 Compliant):

The v2005.2 release of this product will also include support for structured metadata in the user manuals and 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:

- Realigned Forward Sortation Area boundaries (FSA) to current Postal Codes
- Addition of 3 new FSA boundaries

Metadata (ISO 19115 Compliant):

The v2005.2 release of this product will also include support for structured metadata in the user manuals and in supporting XML and HTM files.

Field Changes:

- None

## **CanMap® Municipal Amalgamation File (MAF) v2005.2**

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 accuracy of municipality names and CSD codes by cross referencing with external sources.

Metadata (ISO 19115 Compliant):

The v2005.2 release of this product will also include support for structured metadata in the user manuals and in supporting XML and HTM files.

Field Changes:

- The PRDCSD field has been added to this product.

## **CanMap® Parks & Recreation v2005.2**

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 accuracy of park boundaries in selected urban areas

Metadata (ISO 19115 Compliant):

The v2005.2 release of this product will also include support for structured metadata in the user manuals and in supporting XML and HTM files.

Field Changes:

- None

## Enhanced Points of Interest (EPOI) v2005.2

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:

- All EPOI layers geocoded to CanMap Streetfiles v2005.2
- Fire Stations (FRE) for Alberta and Saskatchewan

### Metadata (ISO 19115 Compliant):

The v2005.2 release of this product will also include support for structured metadata in the user manuals and in supporting XML and HTM files.

### Field Changes:

- None

## **GeoPinpoint™ Suite v2005.2**

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 v2005.2, CanMap Postal Geography v2005.2 and is based on the 1996 Census based boundaries.

### Field Changes:

- None