



# RELEASE GUIDE

## GEOMEDIA TRANSPORTATION MANAGER

GeoMedia Transportation Manager 2018



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## ABOUT THIS RELEASE

This document describes the enhancements for GeoMedia Transportation Manager. Although the information in this document is current as of the product release, see the Hexagon Geospatial Support website for the most current version.

This release includes both enhancements and fixes. For information on enhancements, see the New Technology section. For information on fixes that were made to GeoMedia Transportation Manager for this release, see the Issues Resolved section.

This document is only an overview and does not provide all of the details about the product's capabilities. See the online help and other documents provided with GeoMedia Transportation Manager for more information.

## GEOMEDIA TRANSPORTATION MANAGER

GeoMedia Transportation Manager provides the key geospatial technology to help professionals in Departments of Transportation (DOTs), rail companies, waterway agencies, and pipeline operations to efficiently analyze and maintain the transportation infrastructure. Functionality is included for building and maintaining a linear network model that will support a linear referencing system (LRS), multilevel linear referencing system (MLRS), and vehicle routing applications.

## NEW PLATFORMS

### ORACLE

Oracle 12.2 is now supported.

### SQL SERVER

SQL Server 2016 and SQL Server 2017 are now supported.

## IMPACTS

None.

## FUTURE IMPACTS

None.



## NEW TECHNOLOGY

### GENERAL

#### LICENSING

Starting with the Power Portfolio 2018 release, licenses are no longer based on Certificate-file based technology. Instead, licenses are based on Activation IDs, allowing you to activate products without providing Host IDs or other hardware-related parameters. You can also re-host without emailing the licensing team for assistance. The Power Portfolio 2018 release also includes improved tools that make it easier to install licenses, set up license servers, and provide more professional error handling. Finally, the Power Portfolio 2018 release includes improved customer notification in the products, such as an “end of subscription” message in the Start-up screen. These more secure and automated processes, along with a new licensing portal, will provide you with a better overall user experience.

#### BRANDING

Branding graphics have been updated on the Setup Manager, Setup, and About dialog.

#### SETUP

This Release Guide is now available directly from the Start menu.

## SYSTEM REQUIREMENTS

Computer/ Processor	<ul style="list-style-type: none"> <li>32-bit: 2GHz microprocessor, Intel® Pentium® 4 HT, Core™ Duo, Xeon</li> <li>64-bit: Intel 64 (EM64T), AMD 64, or equivalent (recommended)</li> </ul>
Memory (RAM)	<ul style="list-style-type: none"> <li>4 GB minimum, 8 GB recommended</li> </ul>
Disk Space	<ul style="list-style-type: none"> <li>10 GB for software</li> <li>Data storage requirements vary by mapping project<sup>1</sup></li> </ul>
Peripherals	Software security (Hexagon Geospatial Licensing 11.14.0) requires the following: <ul style="list-style-type: none"> <li>Ethernet card</li> </ul>
Operating Systems <sup>2</sup>	<ul style="list-style-type: none"> <li>Windows® 7 SP1 or higher, Professional and Ultimate (32-bit and 64-bit)<sup>2</sup></li> <li>Windows® 8.1 (Standard), Professional and Enterprise (32-bit and 64-bit)<sup>2</sup></li> </ul>



	<ul style="list-style-type: none"> <li>● Windows® 10.0 (Standard), Professional and Enterprise (32-bit and 64-bit)<sup>2</sup></li> <li>● Windows Server® 2008 R2 SP1 (64-bit)<sup>3</sup></li> <li>● Windows Server 2012 R2 (64-bit)<sup>3</sup></li> <li>● Windows Server® 2016 (64-bit)<sup>3</sup></li> </ul>
Virtual Server and Virtual App Technology	<ul style="list-style-type: none"> <li>● VMware ESX 5.1</li> <li>● Oracle VM Virtual Box</li> <li>● XenApp 7.6</li> </ul>
Database Server Engines	<ul style="list-style-type: none"> <li>● Oracle® Server 11g, 32-bit and 64-bit, at least version 11.2.0.4</li> <li>● Oracle Express 11g, at least version 11.2.0.4</li> <li>● Oracle® Server 12.1</li> <li>● Oracle® Server 12.2</li> <li>● SQL Server® 2012, 64-bit</li> <li>● SQL Server Express 2012</li> <li>● SQL Server 2014, 64-bit</li> <li>● SQL Server 2014 Express</li> <li>● PostgreSQL 9.3 with PostGIS 2.1</li> <li>● PostgreSQL 9.4 with PostGIS 2.2</li> </ul>
Database Client Engines	<ul style="list-style-type: none"> <li>● Oracle Client 11g, 32-bit<sup>4</sup></li> <li>● Oracle Client 12.1, 32-bit<sup>4</sup></li> <li>● Oracle Client 12.2, 32-bit<sup>4</sup></li> <li>● SQL Server Native Client 10.0 or higher<sup>5</sup></li> </ul>

## SYSTEM REQUIREMENTS NOTES

<sup>1</sup> Disk I/O is usually the slowest task in geospatial data processing. Faster hard disks improve productivity. Reading data from one disk, writing temporary data to a second disk, and writing data to a third disk improves performance. Disk arrays improve productivity but some RAID options slow performance. Network disk drives are subject to network limitations.

<sup>2</sup> Windows 7 32-bit, Windows 8 32-bit, Windows 8.1 32-bit and Windows 10 32-bit are considered viable platforms. Viable platforms are not an explicit requirement and have not been tested as a standard scenario in Hexagon Geospatial's Development and Quality Assurance cycles. However, the technology is similar to one of the



supported platforms that compatibility is practical. Although we expect our applications to be compatible with viable platforms, we cannot guarantee contractual performance or high availability requirements.

<sup>3</sup> GeoMedia runs on 64-bit systems in 32-bit emulation mode.

<sup>4</sup> Oracle Data Access Components (ODAC) is required if using the Feature Accessor option for Oracle in the PublishIFC utility, or if using the Database Utilities utility to manage an Oracle warehouse. ODAC is normally delivered by the Oracle Client Administrator installer, but not by the Oracle InstantClient installer. ODAC contains many components, of which PublishIFC requires the Oracle Data Provider for .NET, and Database Utilities requires the Oracle Provider for OLEDB.

<sup>5</sup> The SQL Server Native Client 10.0 or higher is needed in order for the Database Utilities utility to automatically create the correct GeoMedia metadata for date, time, and datetime2 data types when using a SQL Server or SQL Server Spatial warehouse. You may get SQL Server Native Client 10.0 or higher from the corresponding Microsoft websites. If the SQL Server Native Client is not installed on the system, you will need to manually choose Date as the data type from the dropdown combo box for these data types in the Feature Class Properties dialog and set the format properly.

## ISSUES RESOLVED

CR #	Summary	Description / How to Reproduce
00020567	LRS Calibration of loops may result in Geometry Sequence Anomalies	<p>When working with loops consisting of more than one segment, the Calibration command may incorrect reverse the direction of one of the segments. The measures are correct but the geometry direction of one of the loop segments is incorrect and causes the data to fail a basic LRS Validation.</p> <p>Problem occurs when using digitized direction or cardinal direction options in calibration.</p>
00021499 00020892	Results of LRS Calibration of loops do not pass LRS Validation	<p>Attached data shows various geometry loop conditions where LRS Calibration results in incorrect calibration results. For example, the results of running Calibration do NOT pass LRS Validation!</p> <p>This is directly related (continuation) to JIRA issue IG-6474 that reported problems with LRS Calibration of loops. The previous fix was isolated to only a single loop condition whereas the customer actually need to have a more robust fix that addresses calibration for all loop conditions.</p>
00014872	Insert LRM Segment ignores users Digitizing Option for Use Existing Geometry	<p>User has noted that the LRS &gt; LRM Editing &gt; Insert LRM Segment command ignores the digitizing option: Use Existing Geometry.</p> <p>The user wishes to snap to the edges of an existing boundary to then digitize across the polygon but instead the Insert LRM Segment command follows/traces along the edge of the boundary. This occurs even when the Use Existing Geometry is disabled.</p> <p>The Insert LRM Segment command should honor the Use Existing Geometry digitizing option similar to how it honors vector snap settings.</p>



00014855	Display LRM query filter is persistent	When using the display LRM command, the filter does not clear after selecting a new LRM from the LRM name drop down list. This causes an error to be displayed: GeoMedia: A field specified in the filter expression does not exist in the InputRecordset. Not all LRM definitions contain the same fields. The fact that this filter does not reset after selecting a new definition strange. On a client machine this causes GeoMedia to hang and crash rather than display an error.
00009402	Install of GeoMedia Transportation with non-English regional settings results in unnamed Start Menu	<p>Install of GeoMedia Transportation with non-English regional settings results in unnamed Start Menu folder and shortcuts. Example:</p> <p>Install of GeoMedia Transportation on system with German regional settings (Format = German) results in a NewFolder1 in the Start Menu which contains all of the Transportation command shortcuts are listed using names such as:</p> <p>NewShortcut1</p> <p>NewShortcut2</p> <p>etc...</p> <p>There is NO GeoMedia Transportation listed in the Start menu. All transportation commands are present but are named as NewShortcut1.. etc.. under the C:\ProgramData\Microsoft\Windows\Start Menu\Programs\newfolder1 folder; This makes use of the shortcuts very difficult to use even if they are linked properly.</p>
00019568	MLRS Metadata field for LRM Priority property value not saved when using Oracle warehouse	When working with Oracle, the MLRS Metadata does not allow users to save the MLRS LRM priority value. The user can set the Priority value but it is not saved on the dialog. Additionally, one can look at the GDOSYS.LRSLRMBASE and see that the PRIORITYFIELDNAME field is (null) so the value is not written at all into Oracle.



## ABOUT US

Hexagon Geospatial helps you make sense of the dynamically changing world. We enable you to envision, experience and communicate geographic information. Our technology provides you the form to design, develop and deliver solutions that solve complex, real-world challenges. Ultimately, this is realized through our creative software products and platforms.

**CUSTOMERS.** Globally, a wide variety of organizations rely on our products daily including local, state and national mapping agencies, transportation departments, defense organizations, engineering and utility companies, and businesses serving agriculture and natural resource needs. Our portfolio enables these organizations to holistically understand change and make clear, reliable decisions.

**TECHNOLOGY.** Our priority is to deliver products, platforms and solutions that make our customers successful. Hexagon Geospatial is focused on developing technology that displays and interprets information in a personalized, meaningful way. We enable you to transform location-based content into dynamic and useable business information that creatively conveys the answers you need.

**PARTNERS.** As an organization, we are partner-focused, working alongside our channel to ensure we succeed together. We provide the right platforms, products, and support to our business partners so that they may successfully deliver sophisticated solutions for their customers. We recognize that we greatly extend our reach and influence by cultivating channel partner relationships both inside and outside of Hexagon.

**TEAM.** As an employer, we recognize that the success of our business is the result of our highly motivated and collaborative staff. At Hexagon Geospatial, we celebrate a diverse set of people and talents, and we respect people for who they are and the wealth of knowledge they bring to the table. We retain talent by fostering individual development and ensuring frequent opportunities to learn and grow.

**HEXAGON.** Hexagon's solutions integrate sensors, software, domain knowledge and customer workflows into intelligent information ecosystems that deliver actionable information. They are used in a broad range of vital industries.

Hexagon (Nasdaq Stockholm: HEXA B) has more than 18,000 employees in 50 countries and net sales of approximately 3.3bn USD. Learn more at [hexagon.com](http://hexagon.com) and follow us @HexagonAB.





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