



**HEXAGON**

Release Guide

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# **Release Guide**

GeoMedia PDF 2020

Version 16.6  
15 October 2019

# Contents

<b>About This Release</b> .....	<b>3</b>
<b>GeoMedia PDF</b> .....	<b>3</b>
<b>New Platforms</b> .....	<b>3</b>
GeoMedia Desktop 2020.....	3
<b>New Technology</b> .....	<b>3</b>
Licensing.....	3
Start Menu .....	3
Added Support For 4K Monitors.....	3
<b>System Requirements</b> .....	<b>4</b>
System Requirements Notes .....	4
<b>Issues Resolved</b> .....	<b>5</b>
<b>Deprecated</b> .....	<b>7</b>
Windows 7 .....	7
<b>Contact Us</b> .....	<b>8</b>
<b>About Hexagon</b> .....	<b>8</b>
<b>Copyright</b> .....	<b>9</b>



## About This Release

This document describes the enhancements, fixes, and system requirements for GeoMedia PDF. 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 new features, see the New Technology section. For information on fixes that were made for this release, see the Issues Resolved section. For information on hardware and software requirements, see the System Requirements 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 PDF for more information.

## GeoMedia PDF

GeoMedia® PDF is an add-on to GeoMedia that allows you to create georegistered PDF files from the layout window of GeoMedia.

## New Platforms

### GeoMedia Desktop 2020

GeoMedia PDF has been updated for compatibility with GeoMedia Desktop 2020.

## New Technology

### Licensing

A new product license is required for the 2020 release. The latest Geospatial License Administration tool should be downloaded and used for this release.

### Start Menu

The prefix "Hexagon" has been removed from the product name on the Start menu as well as the Windows product uninstall facilities available from Settings and the Control Panel. This provides consistency with other Hexagon Geospatial products, as well as improved ease in finding the product by its familiar name in these product lists.

### Added Support For 4K Monitors

Several issues with the GeoMedia PDF user interface have been addressed so that the text, icons, and other items on the user interface will properly scale and display on a high-resolution display.

# System Requirements

Computer/ Processor	<ul style="list-style-type: none"> <li>64-bit: Intel 64 (EM64T), AMD 64, or equivalent</li> </ul>
Memory (RAM)	<ul style="list-style-type: none"> <li>4 GB minimum, 8GB or more recommended</li> </ul>
Disk Space	<ul style="list-style-type: none"> <li>11 MB for software</li> <li>Data storage requirements vary by mapping project<sup>1</sup></li> </ul>
Operating Systems <sup>2, 3</sup>	<ul style="list-style-type: none"> <li>Windows® 10 Professional (64-bit)</li> </ul>
Software	<ul style="list-style-type: none"> <li>GeoMedia Essentials, Advantage, or Professional 2020</li> <li>Adobe Reader® 8 or higher to display the georeferenced PDF files</li> </ul>
Graphics Display	<ul style="list-style-type: none"> <li>Minimum display with 1920 x 1080 resolution and 32-bit true color recommended.</li> </ul>
Peripherals	<p>Software security (Hexagon Geospatial Licensing) requires one of the following:</p> <ul style="list-style-type: none"> <li>Internet connection for online license activation</li> <li>Ethernet card for offline license activation</li> <li>One USB port for hardware key for offline license activation</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> 32-bit versions of the Windows operating systems are not supported.

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

## Issues Resolved

CR #	Summary	Description / How to Reproduce
IG-5867	Area Pattern (hatch) overlays feature when Object Data Tool is used in PDF	<p>Customer has defined hatch symbolisation for area feature. After export of these hatched area features the customer wants to analyze them with Adobe Acrobat Reader using the Analyze Object Data tool. When the area feature is analyzed the hatch pattern extends outside the bounds of the feature. Customer wants the hatching to stay within the confines of the polygon area.</p> <p>The fix was made in GeoMedia Desktop 16.6 (and also GeoMedia Desktop 16.5 Update 4).</p>
IG-15174	Export to PDF results in WidthAndHeightCannotBeNegative error	<p>While using customer supplied data set, Export to PDF results in error below: One or more errors occurred. System.ArgumentException: WidthAndHeightCannotBeNegative at PdfSharp.Drawing.XGraphics.DrawImage(XImage image, RectangleF destRect, RectangleF srcRect, XGraphicsUnit srcUnit)</p> <p>The fix was made in GeoMedia Desktop 16.5 Update 3.</p>
IG-14530	Export to PDF results in image being cut off	<p>The entire image was not displayed correctly when exporting to PDF when the image was re-projected from State Plane to UTM.</p> <p>The fix was made in GeoMedia Desktop 16.5 Update 3.</p>
IG-14339	Export to PDF errors with customer's dataset	<p>Data specific problem caused errors like the ones below to be thrown during export: System.InvalidOperationException: The figure is not started. at Intergraph.MapDisplay.GeoMath.GROPPathEngine. AddLines(Point3D* points, Int32 startIndex, Int32 count) at Intergraph.MapDisplay.Canvas.BasePath. AddPolyline(Point3D* points, Int32 startIndex, Int32 count) at Intergraph.MapDisplay.Canvas.BasePath. AddPolyline(Point3D[] points) at Intergraph.MapDisplay.Renderer.OffsetGeometry. AddArc(Byte* b) at ...</p> <p>The fix was made in GeoMedia Desktop 16.5 Update 3.</p>
IG-10538	Export to PDF errors with customer's dataset	<p>Export to PDF errors with customer's dataset. In Layout window inserted map frame as static and dynamic, still get error. See Error Message.png for details.</p>
IG-8253	Error opening output PDF if sheet size is D or smaller	<p>The attached dataset has Sheet 1 set to "D" size. The Export process runs OK, but Adobe throws an error when opening the output file. Setting the sheet size to "E" or larger causes no problems.</p>
IG-13401	User control of the layer on/off status in output PDF is not working	<p>All layers and groups are marked as visible even when the user marks them as not visible in the GMPDF user-interface.</p>



IG-13551	Locator map is empty/blue in exported PDF file	The locator map is empty/blue (either no content or a location in the sea?) The fix was made in GeoMedia Desktop 16.5 Update 3.
IG-13552	Error message appears during export PDF file	At least one error has occurred. System.OutOfMemoryException: Exception of type 'System.OutOfMemoryException' was thrown. at Intergraph.MapDisplay.Pdf.EMF.STRETCHDIBITS..ctor(Byte[] dataArray, Int32& offset) at Intergraph.MapDisplay.Pdf.EMF.DeviceContext.StretchDIBits(Byte[] dataArray) and so on... The fix was made in GeoMedia Desktop 16.5 Update 3.
IG-13553	Exported PDF layer hierarchy in the PDF looks incorrect	The presentation of the model or layer hierarchy in the PDF looks incorrect (each layer is named: FeatureCacheProcessor). This problem occurs only with the customer data in GM 2018. Not with the standard sample data and not in GM 2014. The fix was made in GeoMedia Desktop 16.5 Update 3.
IG-11860	PDF attributes do not display in Adobe Reader	I checked the PDF attributes and it appears not to be exporting the chosen attributes using the PDF Attributes command and Export to PDF - the attributes can't be seen in Adobe Reader. The fix was made in GeoMedia Desktop 16.5 Update 2.
IG-11519	Export to PDF fails to merge output layers in exported PDF	When exporting to PDF the layer structure of the output PDF file the layers are not merged like they were in GM PDF 2014. Layers that were merged together in 2014 now appear as single layers in the output pdf file using GM PDF 16.2 and 16.5.
IG-9358	Fails to export color indexed raster files correctly.	Add a color indexed file to the Map View and Layout window. Add the image to the PDF output and export reveals a mono color shades instead of a color picture. The fix was made in GeoMedia Desktop 16.5 Update 1.
IG-9914	Export unable to create PDF when closed connections are present.	Problem occurs when there are invalid (or closed) connections present in the workspace.
IG-10249	GeoMedia PDF tab disappears from the GeoMedia ribbon bar after running Configuration Wizard	German Windows 10, English GeoMedia, English GeoMedia PDF 16.5. After installing Oracle Client 12c I have to run Configuration Wizard due to missing Oracle Data Server in Warehouse Connection. Starting GeoMedia Pro again and the PDF tab on the GeoMedia ribbon bar is missing. After repair of GeoMedia PDF the PDF tab is present again. After using Configuration Wizard - just to check - GeoMedia PDF has disappeared again. The fix was made in GeoMedia Desktop 16.5 Update 1.
IG-9526	Export fails to output GM Map Publisher features	GeoMedia PDF Export fails to output GM Map Publisher features resulting in an error message "Cannot Perform this operation". GeoMedia PDF 16.1 Adobe Acrobat Pro-based version can successfully export the GM MapPub features. Deleting the GM Map Publisher features out of the layer definition for PDF results in the GeoMedia PDF Export successfully creating a Geospatial PDF. The fix was made in GM Map Publisher patch 16.5.0.241.

IG-11518	Export results in black dot for symbols	In the attached HSV_Library.gws, while in the Map window the area feature "Acrobatic area" has a symbol style with a point symbol "ACROBATIC". When the "Acrobatic area" feature is exported to PDF the exported PDF has a black dot displayed for the "Acrobatic area" point symbol.
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## Deprecated

### Windows 7

After January 14, 2020, Microsoft will no longer provide security updates or support for PCs running Windows 7. Consequently, the Windows 7.0 operating system is no longer supported by GeoMedia PDF 2020.



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Our technologies are shaping urban and production ecosystems to become increasingly connected and autonomous — ensuring a scalable, sustainable future.

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