

# AutoCAD® MAP 3D VS. AUTOCAD® VS. AUTOCAD LT® 2010

## Release Comparison Matrix

LEGEND	AUTOCAD MAP 3D 2010	AUTOCAD 2010	AUTOCAD LT 2010
X Unsupported Feature			
✓ Supported Feature			
<b>USER INTERFACE</b>			
Application Menu	✓	✓	✓
Dynamic Input	✓	✓	✓
Initial Setup	✓	✓	✓
Quick Access Toolbar	✓	✓	✓
Ribbon	✓	✓	✓
ViewCube® Feature	✓	✓	X
Workspaces	✓	✓	✓
<b>DOCUMENT</b>			
Dynamic Blocks	✓	✓	✓
Block Test Window	✓	✓	✓
Block Properties Table	✓	✓	✓
Tool Palettes	✓	✓	✓
QuickCalc Calculator	✓	✓	✓
Annotation Scaling	✓	✓	✓
Layer Properties per Viewport	✓	✓	✓
Nonrectangular Viewports	✓	✓	✓
Tables	✓	✓	✓
Linking Tables with Microsoft® Excel®	✓	✓	✓
Extract Attributes to a Text File	✓	✓	✓
Parametric Drawing	✓	✓	X
Constraint Parameters in Dynamic Blocks	✓	✓	X
Data Extraction to Tables (Block Attributes and Objects)	✓	✓	X

<b>LEGEND</b>			
X	Unsupported Feature		
✓	Supported Feature		
	<b>AUTOCAD MAP 3D 2010</b>	<b>AUTOCAD 2010</b>	<b>AUTOCAD LT 2010</b>
<b>DOCUMENT</b>			
Sheet Sets	✓	✓	X
Express Tools	✓	✓	X
Coordinate Geometry (COGO)	✓	X	X
Geodetic Distance Tool	✓	X	X
Rubbersheeting	✓	X	X
Mpolygon (GIS Polygon)	✓	X	X
<b>DATA ANALYSIS &amp; VISUALIZATION</b>			
Adhoc Joins	✓	X	X
Buffering	✓	X	X
Calculated Attribute Fields	✓	X	X
Coordinate Tracker	✓	X	X
DWG™ Query	✓	X	X
Expression Evaluator	✓	X	X
Overlay	✓	X	X
Thematic Mapping	✓	X	X
Topology	✓	X	X
Draping on Surfaces	✓	X	X
<b>DATA INTEROPERABILITY</b>			
Coordinate System Support and Transformation	✓	X	X
Direct Read/Write Spatial Data (FDO technology)	✓	X	X
ESRI® ArcSDE® Read/Write	✓	X	X
Import ASCII Points	✓	X	X
Import/Export LandXML	✓	X	X
DWG™ Query	✓	X	X
Import and Export CAD and GIS files (e.g. SHP, SDF, TAB, GML, SDTS)	✓	X	X

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X Unsupported Feature			
✓ Supported Feature			
<b>DATA INTEROPERABILITY</b>			
Microsoft® SQL Server® 2008 Read/Write	✓	X	X
Open Source and Third Party FDO Data Provider Integration	✓	X	X
Oracle® Database Read/Write	✓	X	X
<b>CONCEPTUAL DESIGN &amp; 3D MODELING</b>			
3D Solids (Create and Edit)	✓	✓	X
Free-Form Modeling	✓	✓	X
Dynamic User Coordinate System (UCS)	✓	✓	X
Work in Perspective View	✓	✓	X
Section Planes/Cuts	✓	✓	X
Flatten 3D Geometry into 2D	✓	✓	X
Interference Checking	✓	✓	X
Walk-Through Navigation	✓	✓	X
<b>PRESENTATION</b>			
Photorealistic Rendering	✓	✓	X
Lights (Photometric)	✓	✓	X
Materials	✓	✓	X
Cameras	✓	✓	X
Display Modes (Visual Styles, Transparency, Edge Effects)	✓	✓	X
Transparent Solids	✓	✓	X
Real-Time Shadows	✓	✓	X
Animations	✓	✓	X
Shaded/Rendered Plotted Output	✓	✓	X
Autodesk® Impression (Subscription Only)	✓	✓	X
Cartographic Stylization of DWG Data (Display Manager)	✓	X	X
Cartographic Stylization for GIS Data (FDO technology)	✓	X	X

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✓ Supported Feature			
<b>DATA MANAGEMENT</b>			
Attribute Constraints (FDO technology)	✓	X	X
Bulk Copy	✓	X	X
Data Table	✓	X	X
Drawing Cleanup	✓	X	X
FDO User Manager	✓	X	X
Metadata	✓	X	X
Multi-user DWG Query and Editing	✓	X	X
Object Classification	✓	X	X
Classification Toolkits for Water, WasteWater, and Electric (Subscription Only)	✓	X	X
Polygon Split and Merge	✓	X	X
Point Groups	✓	X	X
Schema Editor	✓	X	X
<b>CUSTOMIZE</b>			
Support for CUI Customization	✓	✓	✓
Support for LISP Applications	✓	✓	X
Support for ObjectARX® (C++, C#, and VB .NET)	✓	✓	X
Action Recorder	✓	✓	X
Workflow Designer	✓	X	X
Geospatial Application Programming Interface	✓	X	X
<b>COMMUNICATE</b>			
Autodesk® Buzzsaw® Integration	✓	✓	✓
Autodesk® Seek Software	✓	✓	✓
Create Transmittal Sets	✓	✓	✓
Digital Signatures and Passwords	✓	✓	✓

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X Unsupported Feature			
✓ Supported Feature			
<b>COMMUNICATE</b>			
Communication Center	✓	✓	✓
Manage DWF™ Markups	✓	✓	✓
Map Books	✓	X	X
Publish to a Multisheet DWF File	✓	✓	✓
Publish to a Multisheet PDF File	✓	✓	✓
Publish to a Plotter	✓	✓	✓
Publish a Web Page	✓	✓	✓
Publish a 3D DWF File	✓	✓	X
Print to an STL File (for 3D printing)	✓	✓	X
Publish to Autodesk MapGuide® Enterprise Software	✓	X	X
Publish a Georeferenced DWF File	✓	X	X
Publish a DWF with attribute data	✓	X	X
Save as AutoCAD® Release 14 DWG File	✓	✓	✓
<b>REFERENCE</b>			
Clip an External Reference	✓	✓	✓
DGN, DWF, or PDF Underlays	✓	✓	✓
Overlay or Attach a DWG File	✓	✓	✓
Notification of Changes to External References	✓	✓	X
<b>SOFTWARE MANAGEMENT</b>			
Autodesk® Product Manager	✓	✓	X
Autodesk® Vault (Subscription Only)	X	✓	X
CAD Standards Tools	✓	✓	X
Citrix Ready™ Deployment	✓	X	X
Migrate Customized Settings	✓	✓	✓
Network Licensing	✓	✓	X
Portable License Utility	✓	✓	✓
Support for Multiple Profiles	✓	✓	X

<b>LEGEND</b>				
X	Unsupported Feature	<b>AUTOCAD MAP 3D 2010</b>	<b>AUTOCAD 2010</b>	<b>AUTOCAD LT 2010</b>
✓	Supported Feature			
<b>OPERATING SYSTEM SUPPORT</b>				
Windows® XP Home Edition	X	✓	✓	✓
Windows XP Professional (SP2)	✓	✓	✓	✓
Windows Vista® Enterprise	✓	✓	✓	✓
Windows Vista Ultimate	✓	✓	✓	✓
Windows Vista Business	✓	✓	✓	✓
Windows Vista Home Premium and Home Basic	X	✓	✓	✓
Support for 64-Bit Operating Systems	✓	✓	✓	✓

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