

OCAD 12 Functionality Chart

OCAD 12 Functionality Chart	OCAD 12 Viewer	OCAD 12 Course Setting	OCAD 12 Starter	OCAD 12 Orienteering	OCAD 12 Professional	OCAD 12 Mapping Solution	OCAD 12 ThematicMapper
General							
Max. Map Size	80x80m	4x4m	4x4m	4x4m	80x80m	80x80m	80x80m
Limit of Map Objects	16 Mio.	16 Mio.	10000	16 Mio.	16 Mio.	16 Mio.	16 Mio.
Limit of Background Maps			5				
Docking Panels				x	x	x	x
Open Google Street View		x	x	x	x	x	
File							
New		x	x	x	x	x	x
Open / Open Sample Map / Close / Save / Save As	x	x	x	x	x	x	x
Undo / Redo		x	x	x	x	x	x
Print	x	x	x	x	x	x	x
Send File by Email				x	x	x	x
Execute XML-Script					x	x	x
Create Backup		x	x	x	x	x	x
Open Recently Exported Documents	x	x	x	x	x	x	x
Open Recently Used OCAD Files	x	x	x	x	x	x	x
Import							
Import CSV					x	x	
Import OCD			x	x	x	x	x
Import DXF			x	x	x	x	x
Import AI / PDF				x	x	x	x
Import GPX / NMEA				x	x	x	
Import GML / KML					x	x	
Import Shape				x (no DB)	x	x	
Import OSM			x	x	x	x	
Import RCW (Freehand XML)					x	x	
Import SOSI				x	x	x	
Import SVG					x	x	
Import XYZ					x	x	
Export							
Export PDF / EPS	x	x	x	x	x	x	x
Export BMP/ GIF / JPEG / TIFF	x	x	x	x	x	x	x
Export SVG		x	x	x	x	x	
Export GPX		x	x	x	x	x	
Export DXF				x	x	x	
Export KML / KMZ				x	x	x	
Export Encrypted File				x	x	x	
Export Shape					x	x	
Export AI					x	x	
Export OCAD Internet Map					x	x	
View							
Normal Mode / Spot Color Mode / Draft Mode	x	x	x	x	x	x	x
Background Favorites				x	x	x	
Keyline					x	x	x
Hatch Areas	x	x	x	x	x	x	x
Anti-Aliasing	x	x	x	x	x	x	x
Pan (incl. mouse wheel down)	x	x	x	x	x	x	x
Pan Locked				x	x	x	
Zoom In / Zoom Out (incl. Ctrl +/-)	x	x	x	x	x	x	x
Zoom In Locked / Zoom Out to Previous View				x	x	x	
Zoom to Previous View / Zoom to Next View	x	x	x	x	x	x	x
Zoom to 0.1x...32x	x	x	x	x	x	x	x
Zoom to Selected Objects				x	x	x	x
Find Selected Objects				x	x	x	
Move to				x	x	x	
Create & Manage Bookmarks				x	x	x	x
Show Entire Map	x	x	x	x	x	x	x
Show Screen Grid	x	x	x	x	x	x	x
Show Rulers / Ruler Guides				x	x	x	x

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Select							
Select and Edit Objects / Select Object and Edit Vertex		x	x	x	x	x	x
Select Objects with Lasso Tool				x	x	x	x
Select Objects by Symbol			x	x	x	x	x
Select Objects by Properties				x	x	x	x
Select Objects by Date				x	x	x	x
Select Object by Object Index					x	x	
Select Duplicate Objects				x	x	x	
Select Self-Intersected Objects				x	x	x	
Select Objects with Invalid Geometry					x	x	
Select Line Text Objects with too Short Line					x	x	
Select Group					x	x	
Select All / Clear Selection				x	x	x	x
Invert Selection				x	x	x	x
Select Next Object				x	x	x	x
Save Selection / Reload Selection / Edit Selection					x	x	x
Drawing Tools							
Straight Line		x	x	x	x	x	x
Bezier Curve		x	x	x	x	x	x
Circle & Ellipse			x	x	x	x	x
Rectangular Line				x	x	x	
Rectangular			x	x	x	x	x
Freehand			x	x	x	x	
Stairways & Multiple Point				x	x	x	
Numeric				x	x	x	
Following (CTRL)			x	x	x	x	x
Append (SHIFT)			x	x	x	x	x
Horizontal / Vertical (ALT)		x	x	x	x	x	x
Snapping				x	x	x	
Switch to straight line while drawing curve option			x	x	x	x	
Edit Objects							
Cut / Copy / Paste / Delete		x	x	x	x	x	x
Rotate Object		x	x	x	x	x	x
Rotate Object by Angle				x	x	x	x
Align Horizontally / Horizontally Centered / Vertically				x	x	x	x
Distribute Horizontally / Vertically				x	x	x	x
Indicate Direction of Area Pattern, Point or Text Object			x	x	x	x	
Cut Line / Cut Hole		x	x	x	x	x	x
Cut Area			x	x	x	x	x
Crop Objects				x	x	x	
Move Parallel			x	x	x	x	
Move / Duplicate Parallel by Specified Distance				x	x	x	
Reshape				x	x	x	x
Interpolate Objects				x	x	x	
Duplicate		x	x	x	x	x	x
Move and Duplicate / Mirror and Duplicate / Stretch or Shrink				x	x	x	x
Fill, Make Border, Duplicate Identically		x	x	x	x	x	
Merge		x	x	x	x	x	
Reverse Object Direction			x	x	x	x	
Change to Polyline				x	x	x	
Change to Bezier Curve			x	x	x	x	
Convert to Graphic Object			x	x	x	x	
Convert to Layout Object				x	x	x	
Create Color Gradient...				x	x	x	
Insert Vertex & Remove Vertex		x	x	x	x	x	x
Insert Corner Vertex & Insert Dash Vertex			x	x	x	x	x
Change Vertex Types to: Normal, Corner, Dash Vertex				x	x	x	
Change Symbol (Selected Objects)		x	x	x	x	x	x
Change Symbol (All Objects with Corresponding Symbol)			x	x	x	x	x
Group					x	x	x
Ungroup			x	x	x	x	x
Find and Replace Text / Insert Glyphs					x	x	x
Change Creation Date				x	x	x	x
Measure / Object Information		x	x	x	x	x	x

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Topology							
Join			x	x	x	x	
Smooth			x	x	x	x	
Generalize Buildings				x	x	x	
Make Objects Rectangular				x	x	x	
Close Area Objects					x	x	
Direct Area Objects CCW			x	x	x	x	
Lengthen Line Text Objects					x	x	
Remove Overshoots and Undershoots					x	x	
Insert / Cut / Add at Intersections				x	x	x	
Remove Duplicate Vertices from Selected Objects				x	x	x	
Symbol							
New		x	x	x	x	x	x
Edit		x	x	x	x	x	x
Icon		x	x	x	x	x	x
Enlarge / Reduce		x	x	x	x	x	x
Copy / Paste / Delete / Duplicate		x	x	x	x	x	x
Sort Symbol Box				x	x	x	x
Select: Used, Unused, Invert, All, by Color	x		x	x	x	x	x
Select by Symbol Number / by Font / by Status / by Symbol Type				x	x	x	x
Replace Font / Replace Color (for multiple Symbols)				x	x	x	x
Status: Normal - Protect - Hide	x	x	x	x	x	x	x
Symbol Status Manager				x	x	x	
Show Unsymbolized Objects / Graphic Objects	x		x	x	x	x	x
Image Object: Normal - Protect - Hide	x		x	x	x	x	x
Show Symbol Favorites; Add to Favorites / Remove from Favorites				x	x	x	
Show Symbol Tree; Add to Symbol Tree / Remove from Symbol Tree				x	x	x	
Map							
Optimize / Repair	x	x	x	x	x	x	x
Set Scale and Coordinate System		x	x	x	x	x	x
Change Scale		x	x	x	x	x	x
Create Map Grid			x	x	x	x	
Create WGS84 Grid					x	x	
Hide			x	x	x	x	x
Transform - Move			x	x	x	x	x
Transform - Stretch / Shrink / Mirror		x	x	x	x	x	
Transform - Rotate Map			x	x	x	x	x
Transform - Change Coordinate System				x	x	x	x
Transform - Affine				x	x	x	
Transform - Rubbersheeting				x	x	x	
Transform - Local Transformation				x	x	x	
Transform - Center Map to Drawing Area				x	x	x	x
Convert Imported Layers to Symbols			x	x	x	x	x
Convert Area or Line Objects to Point Objects					x	x	
Convert Text Objects to Point Objects					x	x	
Convert Text Objects from OEM to Unicode					x	x	
Export Objects by Selected Symbols			x	x	x	x	
Export Selected Objects				x	x	x	x
Delete Objects by Selected Symbols					x	x	
Export Part of Map				x	x	x	x
Colors	x	x	x	x	x	x	x
Color Swatch				x	x	x	
Define Spot Colors	x	x	x	x	x	x	
Load Colors from		x	x	x	x	x	
Load Colors and Symbols from / Compare Symbols and Colors				x	x	x	
Load Symbol Descriptions from / Save Symbol Descriptions to				x	x	x	
Routing					x	x	
Map Information	x	x	x	x	x	x	x
Layout							
Edit Layout Objects				x	x	x	x
Import Layout / Save Layout / Delete Layout / Hide Layout				x	x	x	x
Add Line / Area / Text / Images				x	x	x	x
Add North Arrow or Scale Bar				x	x	x	x
Add Map Legend				x	x	x	x
Add Trim Marks and Bleed Marks				x	x	x	x
Create Graticule Name Index / Create (Street-) Name Index					x	x	

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Database							
Manage Database Connections					x	x	
Create and Update Database Records					x	x	
Update Special Fields from Database Records					x	x	
Create Objects from Database Records					x	x	
Assign Symbols from Database Records					x	x	
Add Texts from Database Records					x	x	
Define Objects Directions from Database Records					x	x	
Merge Objects from Database Records					x	x	
Select Objects with Good Database Record Link					x	x	
Select Objects with Broken Database Record Link					x	x	
Select Objects Linked to the same Database Records					x	x	
Delete Database Record when Deleting Object					x	x	
Create Database Record when Cutting Object					x	x	
Options					x	x	
Database Information					x	x	
Thematic Map							
Create with Wizard (Prop. Symbols, Charts, Choropleths)						x	x
Delete Themes						x	x
Multiple Representation							
Multiple Representation Manager					x	x	
Background Maps							
Scan...				x	x	x	
Open BMP / GIF / JPEG / PNG / TIFF		x	x	x	x	x	x
Open OCD / Encrypted OCD		x	x ¹⁾	x	x	x	
Adjust		x	x	x	x	x	x
Hide All	x	x	x	x	x	x	x
Dim / Transparent	x	x	x	x	x	x	x
Assign to spot color / Block out			x	x	x	x	
Remove / Remove all / Relink		x	x	x	x	x	x
WMS - Web Map Service				x ³⁾	x	x	
Online Map Services			x	x	x	x	
DEM							
Import Wizard (ESRI Ascii Grid XYZ LAS SRTM hgt)				x	x	x	
Open		x	x	x	x	x	
Show Frame		x	x	x	x	x	
Resize				x	x	x	
Info		x	x	x	x	x	
Close		x	x	x	x	x	
Merge DEM				x	x	x	
Calculate DEM Difference				x	x	x	
Create Contour Lines / Merge Contour Lines by Selected Symbols				x	x	x	
Create Hypsometric Map / Hill Shading / Slope Gradient				x	x	x	
Classify Vegetation Height				x	x	x	
Create Profile		x	x	x	x	x	
Export Profile & Calculate Hiking Time					x	x	
Export DEM (ESRI ASCII grid ASCII grid XYZ OCAD 11 DEM)				x	x	x	
OcdLas File Open / Show Frame / Infor / Close / Manage				x	x	x	
GPS & Laser Range Finder							
Real Time GPS				x	x	x	
Import Data from GPS Device				x	x	x	
Import from File		x	x	x	x	x	
Connect to Laser Rangefinder (TruPulse 360/360B)					x	x	
Options							
OCAD Preferences		x	x	x	x	x	x
Edit Shortcuts				x	x	x	
Backup and Restore Options				x	x	x	
Language	x	x	x	x	x	x	x
Course Setting for Orienteering Sports							
Course Setting for Orienteering Sports	x ²⁾	x	x	x	x	x	

¹⁾ Only in Course Setting projects

²⁾ Only view, print and export courses

³⁾ Only offline option