AutoCAD 2006 VBA

A Programmer's Reference

■ ■ ■

Joe Sutphin

Apress®

AutoCAD 2006 VBA: A Programmer's Reference

Copyright © 2005 by Joe Sutphin

Distributed to the book trade worldwide by Springer-Verlag New York, Inc., 233 Spring Street, 6th Floor, New York, NY 10013. Phone 1-800-SPRINGER, fax 201-348-4505, e-mail orders-ny@springer-sbm.com, or visit http://www.springeronline.com.

For information on translations, please contact Apress directly at 2560 Ninth Street, Suite 219, Berkeley, CA 94710. Phone 510-549-5930, fax 510-549-5939, e-mail info@apress.com, or visit http://www.apress.com.

The source code for this book is available to readers at http://www.apress.com in the Source Code section.

■ ■ ■

Object Model Cross-Reference

Tables D-1, D-2, D-3, and D-4 provide a cross-reference to previous versions of the AutoCAD object model.

Table D-1. *Methods*

2000	2000i	2002	2004	2005	2006	Description
Activate	Activate	Activate	Activate	Activate	Activate	Makes the specified drawing active.
Add	Add	Add	Add	Add	Add	Creates a member object and adds it to the appropriate collection.
Add3DFace	Add3DFace	Add3DFace	Add3DFace	Add3DFace	Add3DFace	Creates a 3DFace object given four vertices.
Add3DMesh	Add3DMesh	Add3DMesh	Add3DMesh	Add3dMesh	Add3dMesh	Creates a free-form 3-D mesh, given the number of points in the M and N directions and the coordinates of the points in the M and N directions.
Add3DPoly	Add3DPoly	Add3DPoly	Add3DPoly	Add3DPoly	Add3DPoly	Creates a 3-D polyline from the given array of coordinates.
AddArc	AddArc	AddArc	AddArc	AddArc	AddArc	Creates an arc given the center, radius, start angle, and end angle of the arc.
AddAttribute	AddAttribute	AddAttribute	AddAttribute	AddAttribute	AddAttribute	Creates an attribute definition at the given location with the specified properties.
AddBox	AddBox	AddBox	AddBox	AddBox	AddBox	Creates a 3-D solid box with edges parallel to the axes of the WCS.
AddCircle	AddCircle	AddCircle	AddCircle	AddCircle	AddCircle	Creates a circle given a center point and radius.
AddCone	AddCone	AddCone	AddCone	AddCone	AddCone	Creates a 3-D solid cone with the base on the XY plane of the WCS.
				AddCustomInfo	AddCustomInfo	Adds a custom property field at the end of the existing list of fields
AddCustomObject	AddCustomObject	AddCustomObject	AddCustomObject	AddCustomObject	AddCustomObject	Creates a Custom object.
AddCylinder	AddCylinder	AddCylinder	AddCylinder	AddCylinder	AddCylinder	Creates a 3-D solid cylinder whose base is on the XY plane of the WCS.

Continued

2000	2000i	2002	2004	2005	2006	Description
AddDim3Point➥Angular	AddDim3Point➥Angular	AddDim3Point➥Angular	AddDim3Point➥Angular	AddDim3Point➥Angular	AddDim3Point➥Angular	Creates an angular dimension using three points.
AddDimAligned	AddDimAligned	AddDimAligned	AddDimAligned	AddDimAligned	AddDimAligned	Creates an aligned dimension object.
AddDimAngular	AddDimAngular	AddDimAngular	AddDimAngular	AddDimAngular	AddDimAngular	Creates an angular dimension for an arc, two lines, or a circle.
					AddDimArc	Creates an arc length dimension for an arc.
AddDimDiametric	AddDimDiametric	AddDimDiametric	AddDimDiametric	AddDimDiametric	AddDimDiametric	Creates a diametric dimension for a circle or arc given the two points on the diameter and the length of the leader line.
AddDimOrdinate	AddDimOrdinate	AddDimOrdinate	AddDimOrdinate	AddDimOrdinate	AddDimOrdinate	Creates an ordinate dimension given the definition point and leader endpoint.
AddDimRadial	AddDimRadial	AddDimRadial	AddDimRadial	AddDimRadial	AddDimRadial	Creates a radial dimension for the selected object at the given location.
					AddDimRadialLarge	Creates a jogged radial dimension for an arc, circle, or polyline arc segment.
AddDimRotated	AddDimRotated	AddDimRotated	AddDimRotated	AddDimRotated	AddDimRotated	Creates a rotated linear dimension.
AddEllipse	AddEllipse	AddEllipse	AddEllipse	AddEllipse	AddEllipse	Creates an ellipse in the XY plane of the WCS given the center point, a point on the major axis, and the radius ratio.
AddElliptical➥Cone	AddElliptical➥Cone	AddElliptical➥Cone	AddElliptical➥Cone	AddElliptical➥Cone	AddElliptical➥Cone	Creates a 3-D solid elliptical cone on the XY plane ofthe WCS given the Center, MajorRadius, MinorRadius, and Height.
AddElliptical➥Cylinder	AddElliptical➥Cylinder	AddElliptical➥Cylinder	AddElliptical➥Cylinder	AddElliptical➥Cylinder	AddElliptical➥Cylinder	Creates a 3-D solid elliptical cylinder whose base is on the XY plane of the WCS, given the Center, MajorRadius, MinorRadius, and Height.
AddExtrudedSolid	AddExtrudedSolid	AddExtrudedSolid	AddExtrudedSolid	AddExtrudedSolid	AddExtrudedSolid	Creates an extruded solid given the Profile, Height, and TaperAngle.
AddExtruded➥SolidAlongPath	AddExtruded➥SolidAlongPath	AddExtruded➥SolidAlongPath	AddExtruded➥SolidAlongPath	AddExtruded➥SolidAlongPath	AddExtruded➥SolidAlongPath	Creates an extruded solid given the profile and an extrusion path.
AddFitPoint	AddFitPoint	AddFitPoint	AddFitPoint	AddFitPoint	AddFitPoint	Adds the fit point to the spline at a given index.
AddHatch	AddHatch	AddHatch	AddHatch	AddHatch	AddHatch	Creates a Hatch object.
AddItems	AddItems	AddItems	AddItems	AddItems	AddItems	Adds one or more objects to the specified selection set.
AddLeader	AddLeader	AddLeader	AddLeader	AddLeader	AddLeader	Creates a leader line, given the coordinates of the points.
AddLightweight➥Polyline	AddLightweight➥Polyline	AddLightweight➥Polyline	AddLightweight➥Polyline	AddLightweight➥Polyline	AddLightweight➥Polyline	Creates a lightweight polyline from a list of vertices.
AddLine	AddLine	AddLine	AddLine	AddLine	AddLine	Creates a line passing through two points.

2000	2000i	2002	2004	2005	2006	Description
AddMenuItem	AddMenuItem	AddMenuItem	AddMenuItem	AddMenuItem	AddMenuItem	Adds a pop-up menu item to a pop-up menu.
AddMInsertBlock	AddMInsertBlock	AddMInsertBlock	AddMInsertBlock	AddMInsertBlock	AddMInsertBlock	Inserts an array of blocks.
AddMLine	AddMLine	AddMLine	AddMLine	AddMLine	AddMLine	Creates multiple lines passing through an array of points.
AddMtext	AddMtext	AddMtext	AddMtext	AddMtext	AddMtext	Creates an MText entity in a rectangle defined by the insertion point and width of the bounding box.
AddObject	AddObject	AddObject	AddObject	AddObject	AddObject	Adds an object to a named dictionary.
AddPoint	AddPoint	AddPoint	AddPoint	AddPoint	AddPoint	Creates a Point object at a given location.
AddPolyfaceMesh	AddPolyfaceMesh	AddPolyfaceMesh	AddPolyfaceMesh	AddPolyfaceMesh	AddPolyfaceMesh	Creates a polyface mesh from a list of vertices.
AddPolyline	AddPolyline	AddPolyline	AddPolyline	AddPolyline	AddPolyline	Creates a polyline from a list of vertices.
AddPViewport	AddPViewport	AddPViewport	AddPViewport	AddPViewport	AddPViewport	Adds a paper space viewport, given the center, height, and width.
AddRaster	AddRaster	AddRaster	AddRaster	AddRaster	AddRaster	Creates a new raster image based on an existing image file.
AddRay	AddRay	AddRay	AddRay	AddRay	AddRay	Creates a ray passing through two unique points.
AddRegion	AddRegion	AddRegion	AddRegion	AddRegion	AddRegion	Creates a region from a set of entities. The given entities must form a closed coplanar region.
AddRevolvedSolid	AddRevolvedSolid	AddRevolvedSolid	AddRevolvedSolid	AddRevolvedSolid	AddRevolvedSolid	Creates a revolved solid, given the region around an axis.
AddSeparator	AddSeparator	AddSeparator	AddSeparator	AddSeparator	AddSeparator	Adds a separator to an existing menu or toolbar.
AddShape	AddShape	AddShape	AddShape	AddShape	AddShape	Creates a Shape object based on a template identified by name, at the given insertion point, scale factor, and rotation.
AddSolid	AddSolid	AddSolid	AddSolid	AddSolid	AddSolid	Creates a 2-D solid polygon.
AddSphere	AddSphere	AddSphere	AddSphere	AddSphere	AddSphere	Creates a sphere given the center and radius.
AddSpline	AddSpline	AddSpline	AddSpline	AddSpline	AddSpline	Creates a quadratic or cubic NURBS (nonuniform rational B-spline) curve.
AddSubMenu	AddSubMenu	AddSubMenu	AddSubMenu	AddSubMenu	AddSubMenu	Adds a submenu to an existing menu.
				AddTable	AddTable	Adds a table to a drawing.
AddText	AddText	AddText	AddText	AddText	AddText	Creates a single line of text.
AddTolerance	AddTolerance	AddTolerance	AddTolerance	AddTolerance	AddTolerance	Creates a tolerance entity.

Table D-1. *Continued*

2000	2000i	2002	2004	2005	2006	Description
AddToolbarButton	AddToolbarButton	AddToolbarButton	AddToolbarButton	AddToolbarButton	AddToolbarButton	Adds a toolbar item to a toolbar at a specified position.
AddTorus	AddTorus	AddTorus	AddTorus	AddTorus	AddTorus	Creates a torus at the given location.
AddTrace	AddTrace	AddTrace	AddTrace	AddTrace	AddTrace	Creates a Trace object from an array of points.
AddVertex	AddVertex	AddVertex	AddVertex	AddVertex	AddVertex	Adds a vertex to a lightweight polyline.
AddWedge	AddWedge	AddWedge	AddWedge	AddWedge	AddWedge	Creates a wedge with edges parallel to the axes given the length, width, and height.
AddXLine	AddXLine	AddXLine	AddXLine	AddXLine	AddXLine	Creates an xline (an infinite line) passing through two specified points.
AddXRecord	AddXRecord	AddXRecord	AddXRecord	AddXRecord	AddXRecord	Creates an XRecord object in any dictionary.
AngleFromXAxis	AngleFromXAxis	AngleFromXAxis	AngleFromXAxis	AngleFromXAxis	AngleFromXAxis	Gets the angle of a line from the X-axis.
AngleToReal	AngleToReal	AngleToReal	AngleToReal	AngleToReal	AngleToReal	Converts an angle as a string to a real (double) value.
AngleToString	AngleToString	AngleToString	AngleToString	AngleToString	AngleToString	Converts an angle from a real (double) value to a string.
AppendInnerLoop	AppendInnerLoop	AppendInnerLoop	AppendInnerLoop	AppendInnerLoop	AppendInnerLoop	Appends an inner loop to the hatch.
AppendItems	AppendItems	AppendItems	AppendItems	AppendItems	AppendItems	Appends one or more entities to the specified group.
AppendOuterLoop	AppendOuterLoop	AppendOuterLoop	AppendOuterLoop	AppendOuterLoop	AppendOuterLoop	Appends an outer loop to the hatch.
AppendVertex	AppendVertex	AppendVertex	AppendVertex	AppendVertex	AppendVertex	Appends a vertex to the end of a 3DPolyline, Polyline, or PolygonMesh object.
ArrayPolar	ArrayPolar	ArrayPolar	ArrayPolar	ArrayPolar	ArrayPolar	Creates a polar array of objects given a NumberOfObjects, AngleToFill, and CenterPoint.
ArrayRectangular	ArrayRectangular	ArrayRectangular	ArrayRectangular	ArrayRectangular	ArrayRectangular	Creates a 2-D or 3-D rectangular array of objects.
AttachExternal➥Reference	AttachExternal➥Reference	AttachExternal➥Reference	AttachExternal➥Reference	AttachExternal➥Reference	AttachExternal➥Reference	Attaches an external reference (Xref) to the drawing.
AttachToolbar➥ToFlyout	AttachToolbar➥ToFlyout	AttachToolbar➥ToFlyout	AttachToolbar➥ToFlyout	AttachToolbar➥ToFlyout	AttachToolbar➥ToFlyout	Attaches a toolbar to a toolbar button defined as a flyout.
AuditInfo	AuditInfo	AuditInfo	AuditInfo	AuditInfo	AuditInfo	Evaluates the integrity of the drawing.
Bind	Bind	Bind	Bind	Bind	Bind	Binds an external reference (Xref) to a drawing.
				Block	Block	Returns the block of a SortentsTable object.

2000	2000i	2002	2004	2005	2006	Description
Boolean	Boolean	Boolean	Boolean	Boolean	Boolean	Performs a boolean operation (union, intersect, or subtract) between the object and another 3DSolid or Region object.
CheckInterference	CheckInterference	CheckInterference	CheckInterference	CheckInterference	CheckInterference	Checks for interference between two solids and, if specified, creates a solid from the interference.
Clear	Clear	Clear	Clear	Clear	Clear	Clears the specified selection set of all items.
				ClearSubSelection	ClearSubSelection	Removes a subselection set of cells from a table.
				ClearTableStyle➡ Overrides	ClearTableStyle➡ Overrides	Clears table style overrides.
ClipBoundary	ClipBoundary	ClipBoundary	ClipBoundary	ClipBoundary	ClipBoundary	Specifies the clipping boundary for a raster image.
Close	Close	Close	Close	Close	Close	Closes the specified drawing, or all open drawings.
					ConvertTo➡ AnonymousBlock	Converts a dynamic block to a regular anonymous block.
					ConvertToStatic➡ Block	Converts a dynamic block to a regular named block.
Copy	Copy	Copy	Copy	Copy	Copy	Duplicates the given object to the same location.
CopyFrom	CopyFrom	CopyFrom	CopyFrom	CopyFrom	CopyFrom	Copies the settings from the given plot configuration.
CopyObjects	CopyObjects	CopyObjects	CopyObjects	CopyObjects	CopyObjects	Duplicates multiple objects (deep cloning).
CopyProfile	CopyProfile	CopyProfile	CopyProfile	CopyProfile	CopyProfile	Copies the specified profile.
			CreateEntry	CreateEntry	CreateEntry	Creates a new entry in the File Dependency List.
CreateTypedArray	CreateTypedArray	CreateTypedArray	CreateTypedArray	CreateTypedArray	CreateTypedArray	Creates a variant that contains an array of typed arguments.
Delete	Delete	Delete	Delete	Delete	Delete	Deletes a specified object or a set of saved layer settings.
				DeleteCellContent	DeleteCellContent	Deletes the cell content in the specified row and column.
				DeleteColumns	DeleteColumns	Deletes columns from a table.
DeleteConfiguration	DeleteConfiguration	DeleteConfiguration	DeleteConfiguration	DeleteConfiguration	DeleteConfiguration	Deletes a viewport configuration.
DeleteFitPoint	DeleteFitPoint	DeleteFitPoint	DeleteFitPoint	DeleteFitPoint	DeleteFitPoint	Deletes the fit point of a spline at a given index.
DeleteProfile	DeleteProfile	DeleteProfile	DeleteProfile	DeleteProfile	DeleteProfile	Deletes the specified profile.

2000	2000i	2002	2004	2005	2006	Description
				DeleteRows	DeleteRows	Deletes rows from a table.
Detach	Detach	Detach	Detach	Detach	Detach	Detaches an external reference (Xref) from a drawing.
Display	Display	Display	Display	Display	Display	Toggles the display control of the PViewport object on or off.
DisplayPlotPreview	DisplayPlotPreview	DisplayPlotPreview	DisplayPlotPreview	DisplayPlotPreview	DisplayPlotPreview	Displays the Plot Preview dialog box with the specified partial or full-view preview.
DistanceToReal	DistanceToReal	DistanceToReal	DistanceToReal	DistanceToReal	DistanceToReal	Converts a distance from a string to a real (double) value.
Dock	Dock	Dock	Dock	Dock	Dock	Docks the toolbar to the owning frame window.
ElevateOrder	ElevateOrder	ElevateOrder	ElevateOrder	ElevateOrder	ElevateOrder	Elevates the order of the spline to the given order.
EndUndoMark	EndUndoMark	EndUndoMark	EndUndoMark	EndUndoMark	EndUndoMark	Marks the end of a block of operations.
Erase	Erase	Erase	Erase	Erase	Erase	Erases all the objects in a selection set.
Eval	Eval	Eval	Eval	Eval	Eval	Evaluates an expression in VBA.
Evaluate	Evaluate	Evaluate	Evaluate	Evaluate	Evaluate	Evaluates the given hatch or leader.
Explode	Explode	Explode	Explode	Explode	Explode	Explodes the compound object into subentities.
Export	Export	Export	Export	Export	Export	Exports a drawing or a group of saved layer settings to a file.
ExportProfile	ExportProfile	ExportProfile	ExportProfile	ExportProfile	ExportProfile	Exports the active profile so it can be shared with other users.
				FieldCode	FieldCode	Returns a text string containing field codes.
Float	Float	Float	Float	Float	Float	Floats the toolbar.
				GenerateLayout	GenerateLayout	Generates the layout of a table.
				GenerateUsageData	GenerateUsageData	Generates data specifying whether a layer is in use.
GetAcadState	GetAcadState	GetAcadState	GetAcadState	GetAcadState	GetAcadState	Gets an AcadState object to monitor the state of AutoCAD from out-of-process applications.
				GetAlignment	GetAlignment	Returns the cell alignment for a row type.
GetAllProfileNames	GetAllProfileNames	GetAllProfileNames	GetAllProfileNames	GetAllProfileNames	GetAllProfileNames	Gets all available profiles for the system.
GetAngle	GetAngle	GetAngle	GetAngle	GetAngle	GetAngle	Gets the angle specified. Considers the setting of the ANGBASE system variable.
				GetAttachmentPoint	GetAttachmentPoint	Returns the attachment point for the specified row and column.
GetAttributes	GetAttributes	GetAttributes	GetAttributes	GetAttributes	GetAttributes	Gets the attributes in the block reference.

2000	2000i	2002	2004	2005	2006	Description
				GetAutoScale	GetAutoScale	Returns the value specifying whether auto scale is used in the specified row and column.
				GetBackgroundColor	GetBackgroundColor	Returns the background color value for the specified row type.
				GetBackground➡ ColorNone	GetBackground➡ ColorNone	Returns the value specifying that there is no background color for the specified row type.
GetBitmaps	GetBitmaps	GetBitmaps	GetBitmaps	GetBitmaps	GetBitmaps	Gets the large and small bitmaps used as icons for the toolbar item.
				GetBlock➡ AttributeValue	GetBlock➡ AttributeValue	Returns the attribute value of the specified cell for the attribute definition object contained in the block.
				GetBlockRotation	GetBlockRotation	Returns the block rotation angle for the specified row and column.
				GetBlockScale	GetBlockScale	Returns the block scale value for the specified row and column.
				GetBlockTable➡ RecordId	GetBlockTable➡ RecordId	Returns the block table record ID of the cell.
GetBoundingBox	GetBoundingBox	GetBoundingBox	GetBoundingBox	GetBoundingBox	GetBoundingBox	Gets two points of a box enclosing the specified object.
GetBulge	GetBulge	GetBulge	GetBulge	GetBulge	GetBulge	Gets the bulge value at a given index of the polyline.
GetCanonical➡ MediaNames	GetCanonical➡ MediaNames	GetCanonical➡ MediaNames	GetCanonical➡ MediaNames	GetCanonical➡ MediaNames	GetCanonical➡ MediaNames	Gets all available canonical media names for the specified plot device.
				GetCellAlignment	GetCellAlignment	Returns the alignment for the cell in the specified row and column.
				GetCell➡ BackgroundColor	GetCell➡ BackgroundColor	Returns the background true color value of a cell in the specified row and column.
				GetCell➡ BackgroundColor➡ None	GetCell➡ BackgroundColor➡ None	Returns the value specifying that there is no background color for the specified row and column.
				GetCellContent➡ Color	GetCellContent➡ Color	Returns the true color value for the content of the specified row and column.
				GetCellExtents	GetCellExtents	Returns the cell extents for the specified row and column.
				GetCellGridColor	GetCellGridColor	Returns the grid color value for an edge of the specified row and column.
				GetCellGrid➡ LineWeight	GetCellGrid➡ LineWeight	Returns the grid lineweight value for an edge of the specified row and column.

Continued

2000	2000i	2002	2004	2005	2006	Description
				GetCellGrid➥Visibility	GetCellGrid➥Visibility	Returns the grid visibility value for an edge of the specified row and column.
				GetCellStyle➥Overrides	GetCellStyle➥Overrides	Returns the cell style overrides.
				GetCellTextHeight	GetCellTextHeight	Returns the text height for the specified row and column.
				GetCellTextStyle	GetCellTextStyle	Returns the text style name for the specified row and column.
				GetCellType	GetCellType	Returns the cell type for the specified row and column.
				GetColor	GetColor	Returns the true color value for the specified row type.
				GetColumnWidth	GetColumnWidth	Returns the column width for the column at the specified column index in the table.
GetConstant➥Attributes	GetConstant➥Attributes	GetConstant➥Attributes	GetConstant➥Attributes	GetConstant➥Attributes	GetConstant➥Attributes	Gets the constant attributes in the block or external reference.
				GetContentColor	GetContentColor	Returns the true color value for the specified row type.
GetControlPoint	GetControlPoint	GetControlPoint	GetControlPoint	GetControlPoint	GetControlPoint	Gets the coordinates of the control point at a given index.
GetCorner	GetCorner	GetCorner	GetCorner	GetCorner	GetCorner	Gets a corner of a rectangle.
				GetCustomByIndex	GetCustomByIndex	Returns the custom property name (key) and value that correspond to an index value.
				GetCustomByKey	GetCustomByKey	Returns the custom property value that corresponds to a name (key) value.
GetCustomScale	GetCustomScale	GetCustomScale	GetCustomScale	GetCustomScale	GetCustomScale	Gets the custom scale for a layout or plot configuration.
GetDistance	GetDistance	GetDistance	GetDistance	GetDistance	GetDistance	Gets the distance from the prompt line or a selected set of points on the screen.
					GetDynamicBlock➥Properties	Gets the properties of the dynamic block.
GetEntity	GetEntity	GetEntity	GetEntity	GetEntity	GetEntity	Gets an object interactively.
GetExtension➥Dictionary	GetExtension➥Dictionary	GetExtension➥Dictionary	GetExtension➥Dictionary	GetExtension➥Dictionary	GetExtension➥Dictionary	Gets the extension dictionary associated with an object.
				GetFieldId	GetFieldId	Returns the field object ID of the specified cell.
GetFitPoint	GetFitPoint	GetFitPoint	GetFitPoint	GetFitPoint	GetFitPoint	Gets the fit point of a spline at a given index.

2000	2000i	2002	2004	2005	2006	Description
GetFont	GetFont	GetFont	GetFont	GetFont	GetFont	Gets the definition data of the font for the TextStyle.
				GetFullDrawOrder	GetFullDrawOrder	Returns all of the objects in a block, sorted by draw order with the bottom object first.
				GetGridColor	GetGridColor	Returns the grid color value for a grid linetype and row type.
				GetGridLineWeight	GetGridLineWeight	Returns a grid lineweight value for a grid linetype and row type.
GetGridSpacing	GetGridSpacing	GetGridSpacing	GetGridSpacing	GetGridSpacing	GetGridSpacing	Gets the grid spacing for the viewport.
				GetGridVisibility	GetGridVisibility	Returns a grid visibility value for the specifed grid linetype and row type.
GetInput	GetInput	GetInput	GetInput	GetInput	GetInput	Converts an input string from the user into a keyword index.
GetInteger	GetInteger	GetInteger	GetInteger	GetInteger	GetInteger	Gets an integer value from the user.
GetInterfaceObject	GetInterfaceObject	GetInterfaceObject	GetInterfaceObject	GetInterfaceObject	GetInterfaceObject	Accepts a program ID and attempts to load it into AutoCAD as an in-process server.
GetInvisibleEdge	GetInvisibleEdge	GetInvisibleEdge	GetInvisibleEdge	GetInvisibleEdge	GetInvisibleEdge	Gets the visibility setting for an edge of a 3DFace object at a given index.
GetKeyword	GetKeyword	GetKeyword	GetKeyword	GetKeyword	GetKeyword	Gets a keyword string from the user.
GetLocaleMediaName	GetLocaleMediaName	GetLocaleMediaName	GetLocaleMediaName	GetLocaleMediaName	GetLocaleMediaName	Gets the localized version of the canonical media name.
GetLoopAt	GetLoopAt	GetLoopAt	GetLoopAt	GetLoopAt	GetLoopAt	Gets the hatch loop at a given index.
				GetMinimumColumn➡Width	GetMinimumColumn➡Width	Gets the minimum column width for the column at the specified column index in the table.
				GetMinimumRow➡Height	GetMinimumRow➡Height	Returns the minimum row height for the specified row.
GetName	GetName	GetName	GetName	GetName	GetName	Gets the name (keyword) of an object in a dictionary.
GetObject	GetObject	GetObject	GetObject	GetObject	GetObject	Gets the object in a dictionary, given the name (keyword) of the object.
GetOrientation	GetOrientation	GetOrientation	GetOrientation	GetOrientation	GetOrientation	Gets the angle specified. Ignores the setting of the ANGBASE system variable.
GetPaperMargins	GetPaperMargins	GetPaperMargins	GetPaperMargins	GetPaperMargins	GetPaperMargins	Gets the margins for the layout or plot configuration.
GetPaperSize	GetPaperSize	GetPaperSize	GetPaperSize	GetPaperSize	GetPaperSize	Gets the width and height of the configured paper.
GetPlotDeviceNames	GetPlotDeviceNames	GetPlotDeviceNames	GetPlotDeviceNames	GetPlotDeviceNames	GetPlotDeviceNames	Gets all available plot device names.
GetPlotStyle➡TableNames	GetPlotStyle➡TableNames	GetPlotStyle➡TableNames	GetPlotStyle➡TableNames	GetPlotStyle➡TableNames	GetPlotStyle➡TableNames	Gets all available plot style table names.

Continued

2000	2000i	2002	2004	2005	2006	Description
GetPoint	GetPoint	GetPoint	GetPoint	GetPoint	GetPoint	Gets the point selected in AutoCAD.
GetProjectFilePath	GetProjectFilePath	GetProjectFilePath	GetProjectFilePath	GetProjectFilePath	GetProjectFilePath	Gets the directory in which AutoCAD looks for external reference files.
GetReal	GetReal	GetReal	GetReal	GetReal	GetReal	Gets a real (double) value from the user.
				GetRelative➡DrawOrder	GetRelative➡DrawOrder	Returns the objects specified, sorted by the draw order, with the bottom object first.
GetRemoteFile	GetRemoteFile	GetRemoteFile	GetRemoteFile	GetRemoteFile	GetRemoteFile	Downloads the file specified by a URL.
				GetRowHeight	GetRowHeight	Returns the row height for the row at the specified row index in the table.
				GetRowType	GetRowType	Returns the row type for the specified row.
GetSnapSpacing	GetSnapSpacing	GetSnapSpacing	GetSnapSpacing	GetSnapSpacing	GetSnapSpacing	Gets the snap spacing for the viewport.
GetString	GetString	GetString	GetString	GetString	GetString	Gets a string from the user.
GetSubEntity	GetSubEntity	GetSubEntity	GetSubEntity	GetSubEntity	GetSubEntity	Gets an object or subentity interactively.
				GetSubSelection	GetSubSelection	Returns the row and column indexes of the cells in a subselection set.
				GetText	GetText	Returns the text value for the specified row and column.
				GetTextHeight	GetTextHeight	Returns the text height for the specified row type.
				GetTextRotation	GetTextRotation	Returns the text rotation for the specified row and column.
				GetTextStyle	GetTextStyle	Returns the text style name for the specified row type.
GetUCSMatrix	GetUCSMatrix	GetUCSMatrix	GetUCSMatrix	GetUCSMatrix	GetUCSMatrix	Gets the transformation matrix consisting of UCS coordinate system data.
GetVariable	GetVariable	GetVariable	GetVariable	GetVariable	GetVariable	Gets the current setting of an AutoCAD system variable.
GetWeight	GetWeight	GetWeight	GetWeight	GetWeight	GetWeight	Gets the weight of the control point at a given index.
GetWidth	GetWidth	GetWidth	GetWidth	GetWidth	GetWidth	Gets the start and end width for a polyline.
GetWindowToPlot	GetWindowToPlot	GetWindowToPlot	GetWindowToPlot	GetWindowToPlot	GetWindowToPlot	Gets the coordinates that define the portion of the layout to plot.
GetXData	GetXData	GetXData	GetXData	GetXdata	GetXdata	Gets the extended data (XData) associated with an object.
GetXRecordData	GetXRecordData	GetXRecordData	GetXRecordData	GetXRecordData	GetXRecordData	Gets the extended record data (XRecordData) associated with a dictionary.
HandleToObject	HandleToObject	HandleToObject	HandleToObject	HandleToObject	HandleToObject	Gets the object that corresponds to the given handle.

2000	2000i	2002	2004	2005	2006	Description
Highlight	Highlight	Highlight	Highlight	Highlight	Highlight	Sets the highlight status for the given object, or for all objects in a given selection set.
				HitTest	HitTest	Returns the cell at the specified location.
Import	Import	Import	Import	Import	Import	Imports a drawing or a group of saved layer settings from a file.
ImportProfile	ImportProfile	ImportProfile	ImportProfile	ImportProfile	ImportProfile	Imports a profile created by another user.
		IndexOf	IndexOf	IndexOf	IndexOf	Provides the index of an entry in the File Dependency List.
InitializeUser➡Input	InitializeUser➡Input	InitializeUser➡Input	InitializeUser➡Input	InitializeUser➡Input	InitializeUser➡Input	Initializes the GetKeyword method.
InsertBlock	InsertBlock	InsertBlock	InsertBlock	InsertBlock	InsertBlock	Inserts a drawing file or a named block that has been defined in the current drawing.
				InsertColumns	InsertColumns	Inserts columns in a table.
InsertInMenuBar	InsertInMenuBar	InsertInMenuBar	InsertInMenuBar	InsertInMenuBar	InsertInMenuBar	Inserts the pop-up menu into the AutoCAD menu bar at a specified location.
InsertLoopAt	InsertLoopAt	InsertLoopAt	InsertLoopAt	InsertLoopAt	InsertLoopAt	Inserts a loop at a given index of a hatch.
InsertMenuIn➡MenuBar	InsertMenuIn➡MenuBar	InsertMenuIn➡MenuBar	InsertMenuIn➡MenuBar	InsertMenuIn➡MenuBar	InsertMenuIn➡MenuBar	Inserts a menu into the AutoCAD menu bar.
				InsertRows	InsertRows	Inserts rows in a table.
IntersectWith	IntersectWith	IntersectWith	IntersectWith	IntersectWith	IntersectWith	Gets the points where one object intersects another object in the drawing.
				IsMergedCell	IsMergedCell	Returns the merge status of a cell.
IsRemoteFile	IsRemoteFile	IsRemoteFile	IsRemoteFile	IsRemoteFile	IsRemoteFile	Returns the URL that a remote file was downloaded from.
IsURL	IsURL	IsURL	IsURL	IsURL	IsURL	Validates a given URL.
Item	Item	Item	Item	Item	Item	Gets the member object at a given index in a collection, group, or selection set.
LaunchBrowser➡Dialog	LaunchBrowser➡Dialog	LaunchBrowser➡Dialog	LaunchBrowser➡Dialog	LaunchBrowser➡Dialog	LaunchBrowser➡Dialog	Launches the Web Browser dialog box that allows the user to navigate to any URL and select a URL.
ListARX	ListARX	ListARX	ListARX	ListARX	ListARX	Gets the currently loaded AutoCAD ARX applications.
Load	Load	Load	Load	Load	Load	Loads a menu group from a menu file or the definition of a linetype from a library (LIN) file.
LoadARX	LoadARX	LoadARX	LoadARX	LoadARX	LoadARX	Loads the specified AutoCAD ARX application.

2000	2000i	2002	2004	2005	2006	Description
LoadDVB	LoadDVB	LoadDVB	LoadDVB	LoadDVB	LoadDVB	Loads the specified AutoCAD VBA project file.
LoadShapeFile	LoadShapeFile	LoadShapeFile	LoadShapeFile	LoadShapeFile	LoadShapeFile	Loads a shape file (SHX).
				MergeCells	MergeCells	Merges cells in a table.
Mirror	Mirror	Mirror	Mirror	Mirror	Mirror	Creates a mirror image copy of a planar object around an axis.
Mirror3D	Mirror3D	Mirror3D	Mirror3D	Mirror3d	Mirror3d	Creates a mirror image of the given object about a plane.
Move	Move	Move	Move	Move	Move	Moves an object along a vector.
				MoveAbove	MoveAbove	Moves objects above the target in the draw order.
				MoveBelow	MoveBelow	Moves objects below the target in the draw order.
				MoveToBottom	MoveToBottom	Moves objects to the bottom of the draw order.
				MoveToTop	MoveToTop	Moves objects to the top of the draw order.
New	New	New	New	New	New	Creates a new document in SDI mode.
				NumCustomInfo	NumCustomInfo	Returns the number of custom property fields that have been set.
ObjectIDToObject	ObjectIDToObject	ObjectIDToObject	ObjectIDToObject	ObjectIDToObject	ObjectIDToObject	Gets the object that corresponds to the given object ID.
Offset	Offset	Offset	Offset	Offset	Offset	Creates a new object at a specified offset distance from an existing object.
Open	Open	Open	Open	Open	Open	Opens an existing drawing file (DWG) and makes it the active document.
PlotToDevice	PlotToDevice	PlotToDevice	PlotToDevice	PlotToDevice	PlotToDevice	Plots a layout to a device.
PlotToFile	PlotToFile	PlotToFile	PlotToFile	PlotToFile	PlotToFile	Plots a layout to the specified file.
PolarPoint	PolarPoint	PolarPoint	PolarPoint	PolarPoint	PolarPoint	Gets the point at a specified angle and distance from a given point.
Prompt	Prompt	Prompt	Prompt	Prompt	Prompt	Posts a prompt to the command line.
PurgeAll	PurgeAll	PurgeAll	PurgeAll	PurgeAll	PurgeAll	Removes unused named references such as unused blocks or layers from the document.
PurgetFitData	PurgetFitData	PurgetFitData	PurgetFitData	PurgeFitData	PurgeFitData	Purges the fit data of a spline.
PutRemoteFile	PutRemoteFile	PutRemoteFile	PutRemoteFile	PutRemoteFile	PutRemoteFile	Uploads a file to a remote location specified a URL.
Quit	Quit	Quit	Quit	Quit	Quit	Closes the drawing file and exits the AutoCAD application.

2000	2000i	2002	2004	2005	2006	Description
RealToString	RealToString	RealToString	RealToString	RealToString	RealToString	Converts a real (double) value to a string.
				RecomputeTable➡Block	RecomputeTable➡Block	Updates a table block.
RefreshPlot➡DeviceInfo	RefreshPlot➡DeviceInfo	RefreshPlot➡DeviceInfo	RefreshPlot➡DeviceInfo	RefreshPlot➡DeviceInfo	RefreshPlot➡DeviceInfo	Updates the plot, canonical media, and plot style table information to reflect the current system state.
Regen	Regen	Regen	Regen	Regen	Regen	Regenerates the entire drawing and recomputes the screen coordinates and view resolution for all objects.
Reload	Reload	Reload	Reload	Reload	Reload	Reloads the external reference (Xref).
Remove	Remove	Remove	Remove	Remove	Remove	Removes a named object from the dictionary.
				RemoveCustom➡ByIndex	RemoveCustom➡ByIndex	Deletes the custom property name (key) and value that correspond to an index value.
				RemoveCustomByKey	RemoveCustomByKey	Deletes the custom property value that corresponds to a name (key) value.
			RemoveEntry	RemoveEntry	RemoveEntry	Removes an identified entry from the File Dependency List.
RemoveItems	RemoveItems	RemoveItems	RemoveItems	RemoveFromMenuBar	RemoveItems	Removes specified items from the group or selection set.
RemoveFromMenuBar	RemoveFromMenuBar	RemoveFromMenuBar	RemoveFromMenuBar	RemoveItems	RemoveFromMenuBar	Removes the pop-up menu from the AutoCAD menu bar.
RemoveMenu➡FromMenuBar	RemoveMenu➡FromMenuBar	RemoveMenu➡FromMenuBar	RemoveMenu➡FromMenuBar	RemoveMenu➡FromMenuBar	RemoveMenu➡FromMenuBar	Removes the pop-up menu, as specified from the collection, from the AutoCAD menu bar.
Rename	Rename	Rename	Rename	Rename	Rename	Renames an item in a dictionary or a set of saved layer settings.
RenameProfile	RenameProfile	RenameProfile	RenameProfile	RenameProfile	RenameProfile	Renames the specified profile.
Replace	Replace	Replace	Replace	Replace	Replace	Replaces an item in the dictionary by a given item.
				ReselectSubRegion	ReselectSubRegion	Returns subentities of a selection set in a table.
				ResetProfile	ResetBlock	Resets the dynamic block to the default state.
ResetProfile	ResetProfile	ResetProfile	ResetProfile	Restore	ResetProfile	Resets the value in the specified profile to its default values.
	Restore	Restore	Restore	Reverse	Restore	Restores a group of layer property settings.
Reverse	Reverse	Reverse	Reverse	Rotate	Reverse	Reverses the direction of a spline.
Rotate	Rotate	Rotate	Rotate	Rotate3D	Rotate	Rotates an object around a base point.

2000	2000i	2002	2004	2005	2006	Description
Rotate3D	Rotate3D	Rotate3D	Rotate3D	RunMacro	Rotate3d	Rotates an object around a 3-D axis. Point1 and Point2 define the line that becomes the axis of rotation.
RunMacro	RunMacro	RunMacro	RunMacro	Save	RunMacro	Runs a VBA macro from the Application object.
Save	Save	Save	Save	SaveAs	Save	Saves a document, menu group, or group of layer property settings.
SaveAs	SaveAs	SaveAs	SaveAs	ScaleEntity	SaveAs	Saves the document or menu group to a specified file.
ScaleEntity	ScaleEntity	ScaleEntity	ScaleEntity	SectionSolid	ScaleEntity	Scales an object equally in the X, Y, and Z directions.
SectionSolid	SectionSolid	SectionSolid	SectionSolid	Select	SectionSolid	Creates a region that represents the intersection of a plane defined by three points and the solid.
Select	Select	Select	Select	Select	Select	Selects objects and places them into a selection set.
SelectAtPoint	SelectAtPoint	SelectAtPoint	SelectAtPoint	SelectAtPoint	SelectAtPoint	Selects an object passing through a given point and places it into a selection set.
SelectByPolygon	SelectByPolygon	SelectByPolygon	SelectByPolygon	SelectByPolygon	SelectByPolygon	Selects entities within a fence and adds them to the selection set.
SelectOnScreen	SelectOnScreen	SelectOnScreen	SelectOnScreen	SelectOnScreen	SelectOnScreen	Prompts the user to pick an object from the screen.
				SelectSubRegion	SelectSubRegion	Selects a set of cells in a table.
SendCommand	SendCommand	SendCommand	SendCommand	SendCommand	SendCommand	Sends a command string from a VB or VBA application to the document for syncronous processing.
					SendModeless➡OperationEnded	Indicates a modeless operation has ended.
					SendModeless➡OperationStart	Indicates a modeless operation will start.
				SetAlignment	SetAlignment	Sets a cell alignment for the specified row types.
				SetAutoScale	SetAutoScale	Sets the value specifying whether autoscale is used in the specified row and column.
				SetBackgroundColor	SetBackgroundColor	Sets a background color value for the specified row types.
				SetBackground➡ColorNone	SetBackground➡ColorNone	Sets the value specifying whether there is no background color for the specified row types.

2000	2000i	2002	2004	2005	2006	Description
SetBitmaps	SetBitmaps	SetBitmaps	SetBitmaps	SetBitmaps	SetBitmaps	Sets the large and small bitmaps used as icons for the toolbar item.
				SetBlock➡AttributeValue	SetBlock➡AttributeValue	Sets the attribute value of the specified cell for the attribute definition object that is contained in the block.
				SetBlockRotation	SetBlockRotation	Sets the block rotation angle for the specified row and column.
				SetBlockScale	SetBlockScale	Sets the block scale value for the specified row and column.
				SetBlockTable➡RecordId	SetBlockTable➡RecordId	Sets the block table record ID of the cell.
SetBulge	SetBulge	SetBulge	SetBulge	SetBulge	SetBulge	Sets the bulge for the polyline at the given index.
				SetCellAlignment	SetCellAlignment	Sets the cell alignment for the specified row and column.
				SetCell➡BackgroundColor	SetCell➡BackgroundColor	Sets the background true color value for the specified row and column.
				SetCellBack➡groundColorNone	SetCellBack➡groundColorNone	Sets the value specifying that there is no background color for the specified row and column.
				SetCell➡ContentColor	SetCell➡ContentColor	Sets the true color value for the content of the specified row and column.
				SetCellGridColor	SetCellGridColor	Sets the grid color value for an edge of the specified row and column.
				SetCellGrid➡LineWeight	SetCellGrid➡LineWeight	Sets the grid lineweight value for an edge of the specified row and column.
				SetCellGrid➡Visibility	SetCellGrid➡Visibility	Sets the grid visibility value for an edge of the specified row and column.
				SetCellTextHeight	SetCellTextHeight	Sets the text height for the specified row and column.
				SetCellTextStyle	SetCellTextStyle	Sets the text style name for the specified row and column.
				SetCellType	SetCellType	Sets the cell type for the specified row and column.
				SetColor	SetColor	Sets the true color value for the specified row types.
			SetColorBookColor	SetColorBookColor	SetColorBookColor	Specifies the color name from an existing color book.
				SetColumnWidth	SetColumnWidth	Sets the column width for the column at the specified column index in the table.

Continued

2000	2000i	2002	2004	2005	2006	Description
				SetContentColor	SetContentColor	Sets the true color value for the specified row types.
SetControlPoint	SetControlPoint	SetControlPoint	SetControlPoint	SetControlPoint	SetControlPoint	Sets the control point of the spline at a given index.
				SetCustomByIndex	SetCustomByIndex	Sets the custom property name (key) and value that correspond to an index value.
				SetCustomByKey	SetCustomByKey	Sets the custom property value that corresponds to a name (key) value.
SetCustomScale	SetCustomScale	SetCustomScale	SetCustomScale	SetCustomScale	SetCustomScale	Sets the custom scale for a layout or plot configuration.
	SetDatabase	SetDatabase	SetDatabase	SetDatabase	SetDatabase	Associates an AutoCAD database with the LayerStateManager object.
				SetFieldId	SetFieldId	Sets the field object ID of the specified cell.
SetFitPoint	SetFitPoint	SetFitPoint	SetFitPoint	SetFitPoint	SetFitPoint	Sets a fit point for the spline.
SetFont	SetFont	SetFont	SetFont	SetFont	SetFont	Sets the definition data of the font for the TextStyle.
				SetGridColor	SetGridColor	Sets the grid color value for the specified grid linetypes and row types.
				SetGridLineWeight	SetGridLineWeight	Sets the grid lineweight value for the specified grid linetypes and row types.
SetGridSpacing	SetGridSpacing	SetGridSpacing	SetGridSpacing	SetGridSpacing	SetGridSpacing	Sets the grid spacing for the viewport.
				SetGridVisibility	SetGridVisibility	Sets the grid visibility value for the specified grid linetype and row types.
SetInvisibleEdge	SetInvisibleEdge	SetInvisibleEdge	SetInvisibleEdge	SetInvisibleEdge	SetInvisibleEdge	Sets the visibility state of an edge at a given index.
SetLayoutsToPlot	SetLayoutsToPlot	SetLayoutsToPlot	SetLayoutsToPlot	SetLayoutsToPlot	SetLayoutsToPlot	Specifies the layout or layouts to plot.
			SetNames	SetNames	SetNames	Specifies the color name and book name of the color.
SetPattern	SetPattern	SetPattern	SetPattern	SetPattern	SetPattern	Sets the pattern name and pattern type for the hatch.
SetProjectFilePath	SetProjectFilePath	SetProjectFilePath	SetProjectFilePath	SetProjectFilePath	SetProjectFilePath	Sets the directory in which AutoCAD looks for external reference files.
				SetRelative➡DrawOrder	SetRelative➡DrawOrder	Sets the relative draw order specified, with the bottom objects first.
			SetRGB	SetRGB	SetRGB	Specifies the RGB values of the True Color.
				SetRowHeight	SetRowHeight	Sets the height for the row at the specified row index in the table.
SetSnapSpacing	SetSnapSpacing	SetSnapSpacing	SetSnapSpacing	SetSnapSpacing	SetSnapSpacing	Sets the snap spacing for the viewport.

2000	2000i	2002	2004	2005	2006	Description
				SetSubSelection	SetSubSelection	Sets the row and column indices of the cells in a subselection set.
				SetText	SetText	Sets the text value for the specified row and column.
				SetTextHeight	SetTextHeight	Sets the text height for the specified row types.
				SetTextRotation	SetTextRotation	Sets the text rotation for the specified row and column.
				SetTextStyle	SetTextStyle	Sets the text style name for the specified row types.
SetVariable	SetVariable	SetVariable	SetVariable	SetVariable	SetVariable	Sets the value of an AutoCAD system variable.
SetView	SetView	SetView	SetView	SetView	SetView	Sets the view in a viewport to a saved view in the Views Collection object.
SetWeight	SetWeight	SetWeight	SetWeight	SetWeight	SetWeight	Sets the weight of the control point at a given index.
SetWidth	SetWidth	SetWidth	SetWidth	SetWidth	SetWidth	Sets the start and end width of a polyline, given the segment index.
SetWindowToPlot	SetWindowToPlot	SetWindowToPlot	SetWindowToPlot	SetWindowToPlot	SetWindowToPlot	Sets the coordinates that define the portion of the layout to plot.
SetXData	SetXData	SetXData	SetXData	SetXdata	SetXdata	Sets the extended data (XData) associated with an object.
SetXRecordData	SetXRecordData	SetXRecordData	SetXRecordData	SetXRecordData	SetXRecordData	Sets the extended record data (XRecordData) associated with a dictionary.
SliceSolid	SliceSolid	SliceSolid	SliceSolid	SliceSolid	SliceSolid	Creates a slice of the 3DSolid object given three points that define the plane.
Split	Split	Split	Split	Split	Split	Splits a viewport into the given number of views.
StartBatchMode	StartBatchMode	StartBatchMode	StartBatchMode	StartBatchMode	StartBatchMode	Invokes batchmode printing.
StartUndoMark	StartUndoMark	StartUndoMark	StartUndoMark	StartUndoMark	StartUndoMark	Marks the beginning of a block of operations.
				SwapOrder	SwapOrder	Swaps the draw order positions of two objects.
TransformBy	TransformBy	TransformBy	TransformBy	TransformBy	TransformBy	Moves, scales, or rotates an object given a 4×4 transformation matrix.
Translate➡Coordinates	Translate➡Coordinates	Translate➡Coordinates	Translate➡Coordinates	Translate➡Coordinates	Translate➡Coordinates	Translates a point from one coordinate system to another coordinate system.
Unload	Unload	Unload	Unload	Unload	Unload	Unloads the menu group or external reference.

Continued

2000	2000i	2002	2004	2005	2006	Description
UnloadARX	UnloadARX	UnloadARX	UnloadARX	UnloadARX	UnloadARX	Unloads the specified AutoCAD ARX application.
UnloadDVB	UnloadDVB	UnloadDVB	UnloadDVB	UnloadDVB	UnloadDVB	Unloads the specified AutoCAD VBA project file.
				UnmergeCells	UnmergeCells	Splits merged cells in a table.
Update	Update	Update	Update	Update	Update	Updates the object to the drawing screen.
			UpdateEntry	UpdateEntry	UpdateEntry	Erases and then re-creates an identified entry in the File Dependency List.
WBlock	WBlock	WBlock	WBlock	WBlock	WBlock	Writes out the given selection set as a new drawing file.
		Xmlin				Translates the specified DesignXML file's AcDbXML model channel to objects and inserts them into the given database.
		Xmlout				Translates the entire database or a set of specified objects (and all dependent objects) to a new DesignXML file using the AcDbXml model channel.
ZoomAll	ZoomAll	ZoomAll	ZoomAll	ZoomAll	ZoomAll	Zooms the current viewport to display the entire drawing.
ZoomCenter	ZoomCenter	ZoomCenter	ZoomCenter	ZoomCenter	ZoomCenter	Zooms the current viewport to a specified center point and magnification.
ZoomExtents	ZoomExtents	ZoomExtents	ZoomExtents	ZoomExtents	ZoomExtents	Zooms the current viewport to the drawing extents.
ZoomPickWindow	ZoomPickWindow	ZoomPickWindow	ZoomPickWindow	ZoomPickWindow	ZoomPickWindow	Zooms the current viewport to a window defined by points picked on the screen.
ZoomPrevious	ZoomPrevious	ZoomPrevious	ZoomPrevious	ZoomPrevious	ZoomPrevious	Zooms the current viewport to its previous extents.
ZoomScaled	ZoomScaled	ZoomScaled	ZoomScaled	ZoomScaled	ZoomScaled	Zooms the current viewport to given scale factor.
ZoomWindow	ZoomWindow	ZoomWindow	ZoomWindow	ZoomWindow	ZoomWindow	Zooms the current viewport to the area specified by two opposite corners of a rectangle.

Table D-2. *Properties*

2000	2000i	2002	2004	2005	2006	Description
			Action	Action	Action	Specifies the security-related operations to be performed on a drawing.
Active	Active	Active	Active	Active	Active	Determines whether the document is the active document for the session.

2000	2000i	2002	2004	2005	2006	Description
ActiveDimStyle	ActiveDimStyle	ActiveDimStyle	ActiveDimStyle	ActiveDimStyle	ActiveDimStyle	Specifies the active dimension style.
ActiveDocument	ActiveDocument	ActiveDocument	ActiveDocument	ActiveDocument	ActiveDocument	Specifies the active document (drawing file).
ActiveLayer	ActiveLayer	ActiveLayer	ActiveLayer	ActiveLayer	ActiveLayer	Specifies the active layer.
ActiveLayout	ActiveLayout	ActiveLayout	ActiveLayout	ActiveLayout	ActiveLayout	Specifies the active layout.
ActiveLinetype	ActiveLinetype	ActiveLinetype	ActiveLinetype	ActiveLinetype	ActiveLinetype	Specifies the active linetype for the drawing.
ActiveProfile	ActiveProfile	ActiveProfile	ActiveProfile	ActiveProfile	ActiveProfile	Specifies the active profile for the AutoCAD session.
ActivePViewport	ActivePViewport	ActivePViewport	ActivePViewport	ActivePViewport	ActivePViewport	Specifies the active paper space viewport for the drawing.
ActiveSelectionSet	ActiveSelectionSet	ActiveSelectionSet	ActiveSelectionSet	ActiveSelectionSet	ActiveSelectionSet	Gets the active selection set for the drawing.
ActiveSpace	ActiveSpace	ActiveSpace	ActiveSpace	ActiveSpace	ActiveSpace	Toggles the active space between paper space and model space.
ActiveTextStyle	ActiveTextStyle	ActiveTextStyle	ActiveTextStyle	ActiveTextStyle	ActiveTextStyle	Specifies the active text style for the drawing.
ActiveUCS	ActiveUCS	ActiveUCS	ActiveUCS	ActiveUCS	ActiveUCS	Specifies the active UCS for the drawing.
ActiveViewport	ActiveViewport	ActiveViewport	ActiveViewport	ActiveViewport	ActiveViewport	Specifies the active viewport for the drawing.
ADCInsertUnits➡DefaultSource	ADCInsertUnits➡DefaultSource	ADCInsertUnits➡DefaultSource	ADCInsertUnits➡DefaultSource	ADCInsertUnits➡DefaultSource	ADCInsertUnits➡DefaultSource	Determines the units to automatically use for objects in the AutoCAD DesignCenter for a source drawing that does not have assigned insert units.
ADCInsertUnits➡DefaultTarget	ADCInsertUnits➡DefaultTarget	ADCInsertUnits➡DefaultTarget	ADCInsertUnits➡DefaultTarget	ADCInsertUnits➡DefaultTarget	ADCInsertUnits➡DefaultTarget	Determines the units to automatically use for objects in the AutoCAD DesignCenter for a target drawing that does not have assigned insert units.
			AffectsGraphics	AffectsGraphics	AffectsGraphics	Specifies that the entry in the File Dependency List affects graphics.
			Algorithm	Algorithm	Algorithm	Specifies the identifier of the encryption algorithm.
Alignment	Alignment	Alignment	Alignment	Alignment	Alignment	Specifies both the vertical and horizontal alignments for the attribute, attribute reference, or text.
AlignmentPoint➡Acquisition	AlignmentPoint➡Acquisition	AlignmentPoint➡Acquisition	AlignmentPoint➡Acquisition	AlignmentPoint➡Acquisition	AlignmentPoint➡Acquisition	Specifies how AutoAlignment points are acquired.
					AllowedValues	Specifies the allowed values for the property.

Continued

2000	2000i	2002	2004	2005	2006	Description
AllowLong➡ SymbolNames	AllowLong➡ SymbolNames	AllowLong➡ SymbolNames	AllowLong➡ SymbolNames	AllowLong➡ ymbolNames	AllowLong➡ SymbolNames	Determines whether symbol names may include extended character sets or more than 31 characters.
AltFontFile	AltFontFile	AltFontFile	AltFontFile	AltFontFile	AltFontFile	Specifies the location of the font file to use if AutoCAD can't locate the original font and an alternate font is not specified in the font mapping file.
AltRoundDistance	AltRoundDistance	AltRoundDistance	AltRoundDistance		AltRoundDistance	Specifies the rounding of alternate units.
AltSuppress➡ LeadingZeros	AltSuppress➡ LeadingZeros	AltSuppress➡ LeadingZeros	AltSuppress➡ LeadingZeros	AltSuppress➡ LeadingZeros	AltSuppress➡ LeadingZeros	Specifies the suppression of leading zeros in alternate dimension values.
AltSuppress➡ TrailingZeros	AltSuppress➡ TrailingZeros	AltSuppress➡ TrailingZeros	AltSuppress➡ TrailingZeros	AltSuppress➡ TrailingZeros	AltSuppress➡ TrailingZeros	Specifies the suppression of trailing zeros in alternate dimension values.
AltSuppress➡ ZeroFeet	AltSuppress➡ ZeroFeet	AltSuppress➡ ZeroFeet	AltSuppress➡ ZeroFeet	AltSuppress➡ ZeroFeet	AltSuppress➡ ZeroFeet	Specifies the suppression of a zero foot measurement in alternate dimension values.
AltSuppress➡ ZeroInches	AltSuppress➡ ZeroInches	AltSuppress➡ ZeroInches	AltSuppress➡ ZeroInches	AltSuppress➡ ZeroInches	AltSuppress➡ ZeroInches	Specifies the suppression of a zero inch measurement in alternate dimension values.
AltTabletMenuFile	AltTabletMenuFile	AltTabletMenuFile	AltTabletMenuFile	AltTabletMenuFile	AltTabletMenuFile	Specifies the path for an alternate menu to swap with the standard AutoCAD tablet menu.
AltTextPrefix	AltTextPrefix	AltTextPrefix	AltTextPrefix	AltTextPrefix	AltTextPrefix	Specifies a prefix for the alternate dimension measurement for all dimension types except angular.
AltTextSuffix	AltTextSuffix	AltTextSuffix	AltTextSuffix	AltTextSuffix	AltTextSuffix	Specifies a suffix for the alternate dimension measurement for all dimension types except angular.
AltTolerance➡ Precision	AltTolerance➡ Precision	AltTolerance➡ Precision	AltTolerance➡ Precision	AltTolerance➡ Precision	AltTolerance➡ Precision	Specifies the precision of tolerance values in alternate dimensions.
AltTolerance➡ SuppressLeading➡ Zeros	AltTolerance➡ SuppressLeading➡ Zeros	AltTolerance➡ SuppressLeading➡ Zeros	AltTolerance➡ SuppressLeading➡ Zeros	AltTolerance➡ SuppressLeading➡ Zeros	AltTolerance➡ SuppressLeading➡ Zeros	Specifies the suppression of leading zeros in alternate dimension values.
AltTolerance➡ Suppress➡ TrailingZeros	AltTolerance➡ Suppress➡ TrailingZeros	AltTolerance➡ Suppress➡ TrailingZeros	AltTolerance➡ Suppress➡ TrailingZeros	AltTolerance➡ Suppress➡ TrailingZeros	AltTolerance➡ Suppress➡ TrailingZeros	Specifies the suppression of trailing zeros in alternate tolerance values.
AltTolerance➡ SuppressZeroFeet	AltTolerance➡ SuppressZeroFeet	AltTolerance➡ SuppressZeroFeet	AltTolerance➡ SuppressZeroFeet	AltTolerance➡ SuppressZeroFeet	AltTolerance➡ SuppressZeroFeet	Specifies the suppression of a zero foot measurement in alternate tolerance values.
AltTolerance➡ SuppressZeroInches	AltTolerance➡ SuppressZeroInches	AltTolerance➡ SuppressZeroInches	AltTolerance➡ SuppressZeroInches	AltTolerance➡ SuppressZeroInches	AltTolerance➡ SuppressZeroInches	Specifies the suppression of a zero inch measurement in alternate tolerance values.
AltUnits	AltUnits	AltUnits	AltUnits	AltUnits	AltUnits	Enables alternate units dimensioning.
AltUnitsFormat	AltUnitsFormat	AltUnitsFormat	AltUnitsFormat	AltUnitsFormat	AltUnitsFormat	Specifies the units format for alternate units of all dimensions except angular.

2000	2000i	2002	2004	2005	2006	Description
AltUnitsPrecision	AltUnitsPrecision	AltUnitsPrecision	AltUnitsPrecision	AltUnitsPrecision	AltUnitsPrecision	Specifies the number of decimal places in alternate units.
AltUnitsScale	AltUnitsScale	AltUnitsScale	AltUnitsScale	AltUnitsScale	AltUnitsScale	Specifies the scale factor for alternate units.
Angle	Angle	Angle	Angle	Angle	Angle	Gets the angle of a line.
AngleFormat	AngleFormat	AngleFormat	AngleFormat	AngleFormat	AngleFormat	Specifies the unit format for angular dimensions.
AngleVertex	AngleVertex	AngleVertex	AngleVertex	AngleVertex	AngleVertex	Specifies the angle vertex for the three point angular dimension.
Annotation	Annotation	Annotation	Annotation	Annotation	Annotation	Specifies the annotation object for a leader.
Application	Application	Application	Application	Application	Application	Gets the Application object.
					ArcEndParam	Specifies the end parameter of the arc
ArcLength	ArcLength	ArcLength	ArcLength	ArcLength	ArcLength	Gets the length of the arc.
					ArcPoint	Specifies a point on the arc.
ArcSmoothness	ArcSmoothness	ArcSmoothness	ArcSmoothness	ArcSmoothness	ArcSmoothness	Specifies the smoothness of circles, arcs, and ellipses.
					ArcStartParam	Specifies the start parameter of the arc.
Area	Area	Area	Area	Area	Area	Specifies the enclosed area of an arc, circle, ellipse, lightweight polyline, polyline, region, or planar-closed spline.
Arrowhead1Block	Arrowhead1Block	Arrowhead1Block	Arrowhead1Block	Arrowhead1Block	Arrowhead1Block	Specifies the block to use as the custom arrowhead for the first end of the dimension line.
Arrowhead1Type	Arrowhead1Type	Arrowhead1Type	Arrowhead1Type	Arrowhead1Type	Arrowhead1Type	Specifies the type of arrowhead for the first end of the dimension line.
Arrowhead2Block	Arrowhead2Block	Arrowhead2Block	Arrowhead2Block	Arrowhead2Block	Arrowhead2Block	Specifies the block to use as the custom arrowhead for the second end of the dimension line.
Arrowhead2Type	Arrowhead2Type	Arrowhead2Type	Arrowhead2Type	Arrowhead2Type	Arrowhead2Type	Specifies the type of arrowhead for the second end of the dimension line.
ArrowheadBlock	ArrowheadBlock	ArrowheadBlock	ArrowheadBlock	ArrowheadBlock	ArrowheadBlock	Specifies the block to use as the custom arrowhead for a radial dimension or leader line.
ArrowheadSize	ArrowheadSize	ArrowheadSize	ArrowheadSize	ArrowheadSize	ArrowheadSize	Specifies the size of dimension line arrowheads, leader line arrowheads, and hook lines.
ArrowheadType	ArrowheadType	ArrowheadType	ArrowheadType	ArrowheadType	ArrowheadType	Specifies the type of arrowhead for the radial dimension or leader.
AssociativeHatch	AssociativeHatch	AssociativeHatch	AssociativeHatch	AssociativeHatch	AssociativeHatch	Specifies whether the hatch is associative.

Continued

2000	2000i	2002	2004	2005	2006	Description
AttachmentPoint	AttachmentPoint	AttachmentPoint	AttachmentPoint	AttachmentPoint	AttachmentPoint	Specifies the attachment point for an MText object.
				Author	Author	Specifies the author of the drawing.
AutoAudit	AutoAudit	AutoAudit	AutoAudit	AutoAudit	AutoAudit	Specifies whether AutoCAD should perform an audit after you render a DXFIN or DXBIN interchange command.
				AutomaticPlotLog	AutomaticPlotLog	Specifies whether to automatically save a Plot or Publish log.
AutoSaveInterval	AutoSaveInterval	AutoSaveInterval	AutoSaveInterval	AutoSaveInterval	AutoSaveInterval	Specifies an automatic save interval in minutes.
AutoSavePath	AutoSavePath	AutoSavePath	AutoSavePath	AutoSavePath	AutoSavePath	Specifies the path for the file that is created if you enable automatic save using the AutoSaveInterval property.
AutoSnapAperture	AutoSnapAperture	AutoSnapAperture	AutoSnapAperture	AutoSnapAperture	AutoSnapAperture	Toggles the display of the AutoSnap aperture.
AutoSnap➡ApertureSize	AutoSnap➡ApertureSize	AutoSnap➡ApertureSize	AutoSnap➡ApertureSize	AutoSnap➡ApertureSize	AutoSnap➡ApertureSize	Specifies the size of the AutoSnap aperture.
AutoSnapMagnet	AutoSnapMagnet	AutoSnapMagnet	AutoSnapMagnet	AutoSnapMagnet	AutoSnapMagnet	Toggles the AutoSnap magnet.
AutoSnapMarker	AutoSnapMarker	AutoSnapMarker	AutoSnapMarker	AutoSnapMarker	AutoSnapMarker	Toggles the AutoSnap marker.
AutoSnap➡MarkerColor	AutoSnap➡MarkerColor	AutoSnap➡MarkerColor	AutoSnap➡MarkerColor	AutoSnap➡MarkerColor	AutoSnap➡MarkerColor	Specifies the color of the AutoSnap marker.
AutoSnapMarkerSize	AutoSnapMarkerSize	AutoSnapMarkerSize	AutoSnapMarkerSize	AutoSnapMarkerSize	AutoSnapMarkerSize	Specifies the size of the AutoSnap marker.
AutoSnapToolTip	AutoSnapToolTip	AutoSnapToolTip	AutoSnapToolTip	AutoSnapToolTip	AutoSnapToolTip	Toggles the AutoSnap tooltips.
AutoTracking➡VecColor	AutoTracking➡VecColor	AutoTracking➡VecColor	AutoTracking➡VecColor	AutoTracking➡VecColor	AutoTracking➡VecColor	Specifies the color of the auto tracking vector.
AutoTrackToolTip	AutoTrackToolTip	AutoTrackToolTip	AutoTrackToolTip	AutoTrackTooltip	AutoTrackTooltip	Toggles the display of the AutoTrack tooltips.
				BackgroundFill	BackgroundFill	Specifies whether multiline text has a background fill.
Backward	Backward	Backward	Backward	Backward	Backward	Specifies the direction of text.
BasePoint	BasePoint	BasePoint	BasePoint	BasePoint	BasePoint	Specifies the point through which the ray or xline passes.
BatchPlotProgress	BatchPlotProgress	BatchPlotProgress	BatchPlotProgress	BatchPlotProgress	BatchPlotProgress	Gets the current status of the batch plot, or terminates the batch plot.
BeepOnError	BeepOnError	BeepOnError	BeepOnError	BeepOnError	BeepOnError	Specifies whether AutoCAD should sound an alarm beep when it detects an invalid entry.
BigFontFile	BigFontFile	BigFontFile	BigFontFile	BigFontFile	BigFontFile	Specifies the name of the big font file associated with the text or attribute.

2000	2000i	2002	2004	2005	2006	Description
				BitFlags	BitFlags	Specifies the bit flag values of a table style
Block	Block	Block	Block	Block	Block	Gets the block associated with the layout.
Blocks	Blocks	Blocks	Blocks	Blocks	Blocks	Gets the Blocks collection for the drawing.
					BlockScaling	Specifies the scaling allowed for the block.
			Blue	Blue	Blue	Specifies the blue component of the True Color.
			BookName	BookName	BookName	Specifies the book name (if any) of the color.
Brightness	Brightness	Brightness	Brightness	Brightness	Brightness	Specifies the current brightness value of an image.
CanonicalMediaName	CanonicalMediaName	CanonicalMediaName	CanonicalMediaName	CanonicalMediaName	CanonicalMediaName	Specifies the paper size by name.
Caption	Caption	Caption	Caption	Caption	Caption	Gets the text that the user sees displayed for the application or a menu item.
				CategoryName	CategoryName	Specifies the category name of a view.
Center	Center	Center	Center	Center	Center	Specifies the center of an arc, circle, ellipse, view, or viewport.
CenterMarkSize	CenterMarkSize	CenterMarkSize	CenterMarkSize	CenterMarkSize	CenterMarkSize	Specifies the size of the center mark for radial and diameter dimensions.
CenterPlot	CenterPlot	CenterPlot	CenterPlot	CenterPlot	CenterPlot	Specifies the centering of the plot on the media.
					CenterPoint	Specifies the center of the arc.
CenterType	CenterType	CenterType	CenterType	CenterType	CenterType	Specifies the type of center mark for radial and diameter dimensions.
Centroid	Centroid	Centroid	Centroid	Centroid	Centroid	Gets the center of area or mass for a region or solid.
Check	Check	Check	Check	Check	Check	Specifies the check status for the pop-up menu item.
					ChordPoint	Specifies the chord point for the arc.
Circumference	Circumference	Circumference	Circumference	Circumference	Circumference	Specifies the circumference of a circle.
Clipped	Clipped	Clipped	Clipped	Clipped	Clipped	Determines whether the viewport has been clipped.
ClippingEnabled	ClippingEnabled	ClippingEnabled	ClippingEnabled	ClippingEnabled	ClippingEnabled	Enables or disables the clipping boundary.
Closed	Closed	Closed	Closed	Closed	Closed	Specifies whether the 3-D polyline, lightweight polyline, polyline, or spline is open or closed.
Color	Color	Color	Color	Color	Color	Specifies the color of an entity or layer.
			ColorBookPath	ColorBookPath	ColorBookPath	Sets the color book path.
			ColorIndex	ColorIndex	ColorIndex	Specifies the color index.

Continued

2000	2000i	2002	2004	2005	2006	Description
			ColorMethod	ColorMethod	ColorMethod	Specifies the color method.
			ColorName	ColorName	ColorName	Specifies the name (if any) of the color.
Columns	Columns	Columns	Columns	Columns	Columns	Specifies the number of columns in a block array.
				Columns	Columns	Specifies the number of columns in the table.
ColumnSpacing	ColumnSpacing	ColumnSpacing	ColumnSpacing	ColumnSpacing	ColumnSpacing	Specifies the spacing of the columns in a block array.
				ColumnWidth	ColumnWidth	Specifies the uniform width of all columns in the table.
			Comment	Comment	Comment	Specifies the comment to be included with a digital signature.
				Comments	Comments	Specifies the comments for the block.
					Comments	Specifies the comments you want to use to locate the drawing.
ConfigFile	ConfigFile	ConfigFile	ConfigFile	ConfigFile	ConfigFile	Gets the location of the configuration file used to store hardware device driver information.
ConfigName	ConfigName	ConfigName	ConfigName	ConfigName	ConfigName	Specifies the plotter configuration name.
Constant	Constant	Constant	Constant	Constant	Constant	Specifies whether the attribute or attribute reference is constant.
ConstantWidth	ConstantWidth	ConstantWidth	ConstantWidth	ConstantWidth	ConstantWidth	Specifies a global width for all segments in a polyline.
				ContinuousPlotLog	ContinuousPlotLog	Specifies whether to save a continuous Plot log.
Contourlines➡PerSurface	Contourlines➡PerSurface	Contourlines➡PerSurface	Contourlines➡PerSurface	Contourlines➡PerSurface	Contourlines➡PerSurface	Specifies the number of contour lines (isolines) per surface on objects.
Contrast	Contrast	Contrast	Contrast	Contrast	Contrast	Specifies the current contrast value of an image.
ControlPoints	ControlPoints	ControlPoints	ControlPoints	ControlPoints	ControlPoints	Specifies the control points of a spline.
Coordinate	Coordinate	Coordinate	Coordinate	Coordinate	Coordinate	Specifies the coordinate of a single vertex in the object.
Coordinates	Coordinates	Coordinates	Coordinates	Coordinates	Coordinates	Specifies the coordinates for each vertex in the object.
Count	Count	Count	Count	Count	Count	Gets the number of items in the collection, dictionary, group, or selection set.
CreateBackup	CreateBackup	CreateBackup	CreateBackup	CreateBackup	CreateBackup	Specifies the use of a backup file.
CursorSize	CursorSize	CursorSize	CursorSize	CursorSize	CursorSize	Specifies the crosshairs size as a percentage of the screen size.

2000	2000i	2002	2004	2005	2006	Description
CustomDictionary	CustomDictionary	CustomDictionary	CustomDictionary	CustomDictionary	CustomDictionary	Specifies a custom dictionary to use if you have one.
CustomScale	CustomScale	CustomScale	CustomScale	CustomScale	CustomScale	Specifies the custom scale factor for the viewport.
Database	Database	Database	Database	Database	Database	Gets the database in which the object belongs.
DecimalSeparator	DecimalSeparator	DecimalSeparator	DecimalSeparator	DecimalSeparator	DecimalSeparator	Specifies the character to be used as the decimal separator in decimal dimension and tolerance values.
DefaultInternetURL	DefaultInternetURL	DefaultInternetURL	DefaultInternetURL	DefaultInternetURL	DefaultInternetURL	Specifies the default Internet address.
DefaultOutput➡Device	DefaultOutput➡Device	DefaultOutput➡Device	DefaultOutput➡Device	DefaultOutput➡Device	DefaultOutput➡Device	Specifies the default output device for new layouts and model space.
DefaultPlot➡StyleForLayer	DefaultPlot➡StyleForLayer	DefaultPlot➡StyleForLayer	DefaultPlot➡StyleForLayer	DefaultPlot➡StyleForLayer	DefaultPlot➡StyleForLayer	Specifies the default plot style for Layer 0 for new drawings or drawings created with earlier releases of AutoCAD never been saved in AutoCAD 2000 format.
DefaultPlot➡StyleForObjects	DefaultPlot➡StyleForObjects	DefaultPlot➡StyleForObjects	DefaultPlot➡StyleForObjects	DefaultPlot➡StyleForObjects	DefaultPlot➡StyleForObjects	Specifies the default plot style name for newly created objects.
DefaultPlot➡StyleTable	DefaultPlot➡StyleTable	DefaultPlot➡StyleTable	DefaultPlot➡StyleTable	DefaultPlot➡StyleTable	DefaultPlot➡StyleTable	Specifies the default plot style table to attach to new drawings.
				DefaultPlotTo➡FilePath	DefaultPlotTo➡FilePath	Specifies the default path for plotting to a file.
Degree	Degree	Degree	Degree	Degree	Degree	Gets the degree of the spline's polynomial representation.
Delta	Delta	Delta	Delta	Delta	Delta	Gets the delta of a line.
DemandLoadARXApp	DemandLoadARXApp	DemandLoadARXApp	DemandLoadARXApp	DemandLoadArxApp	DemandLoadArxApp	Specifies whether and when AutoCAD demand loads a third-party application if a drawing contains custom objects created in that application.
Description	Description	Description	Description	Description	Description	Specifies the linetype description.
Diameter	Diameter	Diameter	Diameter	Diameter	Diameter	Specifies the diameter of a circle.
Dictionaries	Dictionaries	Dictionaries	Dictionaries	Dictionaries	Dictionaries	Gets the Dictionaries collection for the document.
DimensionLineColor	DimensionLineColor	DimensionLineColor	DimensionLineColor	DimensionLineColor	DimensionLineColor	Specifies the color of the dimension line for a dimension, leader, or tolerance object.
DimensionLine➡Extend	DimensionLine➡Extend	DimensionLine➡Extend	DimensionLine➡Extend	DimensionLine➡Extend	DimensionLine➡Extend	Specifies the distance the dimension line extends beyond the extension line when oblique strokes are drawn instead of arrowheads.

Continued

2000	2000i	2002	2004	2005	2006	Description
DimensionLine➡Weight	DimensionLine➡Weight	DimensionLine➡Weight	DimensionLine➡Weight	DimensionLine➡Weight	DimensionLine➡Weight	Specifies the line weight for the dimension lines.
DimLine1Suppress	DimLine1Suppress	DimLine1Suppress	DimLine1Suppress	DimLine1Suppress	DimLine1Suppress	Specifies the suppression of the first dimension line.
DimLine2Suppress	DimLine2Suppress	DimLine2Suppress	DimLine2Suppress	DimLine2Suppress	DimLine2Suppress	Specifies the suppression of the second dimension line.
DimLineInside	DimLineInside	DimLineInside	DimLineInside	DimLineInside	DimLineInside	Specifies the display of dimension lines inside the extension lines only.
DimLineSuppress	DimLineSuppress	DimLineSuppress	DimLineSuppress	DimLineSuppress	DimLineSuppress	Specifies the suppression of the dimension line for radial dimensions.
DimStyles	DimStyles	DimStyles	DimStyles	DimStyles	DimStyles	Gets the DimStyles collection for the document.
Direction	Direction	Direction	Direction	Direction	Direction	Specifies the viewing direction for a 3-D visualization of the drawing.
DirectionVector	DirectionVector	DirectionVector	DirectionVector	DirectionVector	DirectionVector	Specifies the direction for the ray, tolerance, or xline through a vector.
Display	Display	Display	Display	Display	Display	Gets the PreferencesDisplay object.
DisplayGrips	DisplayGrips	DisplayGrips	DisplayGrips	DisplayGrips	DisplayGrips	Controls the display of selection set grips for the Stretch, Move, Rotate, Scale, and Mirror grip modes.
DisplayGrips➡WIthinBlocks	DisplayGrips➡WIthinBlocks	DisplayGrips➡WIthinBlocks	DisplayGrips➡WIthinBlocks	DisplayGrips➡WithinBlocks	DisplayGrips➡WithinBlocks	Controls the assignment of grips within blocks.
DisplayLayoutTabs	DisplayLayoutTabs	DisplayLayoutTabs	DisplayLayoutTabs	DisplayLayoutTabs	DisplayLayoutTabs	Specifies whether to display the Model and Layout tabs in the drawing editor.
DisplayLocked	DisplayLocked	DisplayLocked	DisplayLocked	DisplayLocked	DisplayLocked	Specifies whether the viewport is locked.
DisplayOLEScale	DisplayOLEScale	DisplayOLEScale	DisplayOLEScale	DisplayOLEScale	DisplayOLEScale	Determines whether the OLE scaling dialog is displayed when OLE objects are inserted into a drawing.
DisplayScreenMenu	DisplayScreenMenu	DisplayScreenMenu	DisplayScreenMenu	DisplayScreenMenu	DisplayScreenMenu	Specifies whether to display the screen menu on the right side of the drawing window.
DisplayScrollBars	DisplayScrollBars	DisplayScrollBars	DisplayScrollBars	DisplayScrollBars	DisplayScrollBars	Specifies whether to display scroll bars at the bottom and right side of the drawing window.
DisplaySilhouette	DisplaySilhouette	DisplaySilhouette	DisplaySilhouette	DisplaySilhouette	DisplaySilhouette	Controls if silhouette curves of solid objects are displayed in Wireframe mode.
DockedVisibleLines	DockedVisibleLines	DockedVisibleLines	DockedVisibleLines	DockedVisibleLines	DockedVisibleLines	Specifies the number of lines of text to display in the command window.
DockStatus	DockStatus	DockStatus	DockStatus	DockStatus	DockStatus	Specifies whether the toolbar is docked or floating.

2000	2000i	2002	2004	2005	2006	Description
Document	Document	Document	Document	Document	Document	Gets the document (drawing) in which the object belongs.
Documents	Documents	Documents	Documents	Documents	Documents	Gets the Documents collection.
Drafting	Drafting	Drafting	Drafting	Drafting	Drafting	Gets the PreferencesDrafting object.
DrawingDirection	DrawingDirection	DrawingDirection	DrawingDirection	DrawingDirection	DrawingDirection	Specifies the direction in which the mtext paragraph is to be read.
DriversPath	DriversPath	DriversPath	DriversPath	DriversPath	DriversPath	Specifies the directory in which AutoCAD looks for ADI device drivers for the video display, pointing devices, printers, and plotters.
					EffectiveName	Specifies the original block name.
Elevation	Elevation	Elevation	Elevation	Elevation	Elevation	Specifies the current elevation of the hatch or polyline.
Elevation➡ModelSpace	Elevation➡ModelSpace	Elevation➡ModelSpace	Elevation➡ModelSpace	Elevation➡ModelSpace	Elevation➡ModelSpace	Specifies the elevation setting in the model space.
Elevation➡PaperSpace	Elevation➡PaperSpace	Elevation➡PaperSpace	Elevation➡PaperSpace	Elevation➡PaperSpace	Elevation➡PaperSpace	Specifies the elevation setting in the paper space.
Enable	Enable	Enable	Enable	Enable	Enable	Enables the pop-up menu item.
EnableStartup➡Dialog	EnableStartup➡Dialog	EnableStartup➡Dialog	EnableStartup➡Dialog	EnableStartup➡Dialog	EnableStartup➡Dialog	Specifies whether the Start-up dialog box is displayed when AutoCAD is launched.
EndAngle	EndAngle	EndAngle	EndAngle	EndAngle	EndAngle	Specifies the end angle of an arc or ellipse.
EndParameter	EndParameter	EndParameter	EndParameter	EndParameter	EndParameter	Specifies the end parameter for an ellipse.
EndPoint	EndPoint	EndPoint	EndPoint	EndPoint	EndPoint	Specifies the endpoint for the arc, line, or ellipse.
EndSubMenuLevel	EndSubMenuLevel	EndSubMenuLevel	EndSubMenuLevel	EndSubMenuLevel	EndSubMenuLevel	Specifies the last item in a submenu.
EndTangent	EndTangent	EndTangent	EndTangent	EndTangent	EndTangent	Specifies the end tangent of the spline as a directional vector.
			EntityColor	EntityColor	EntityColor	Specifies the color value of the true color.
					Explodable	Specifies whether the block can be exploded.
ExtensionLineColor	ExtensionLineColor	ExtensionLineColor	ExtensionLineColor	ExtensionLineColor	ExtensionLineColor	Specifies the color for dimension extension lines.
ExtensionLine➡Extend	ExtensionLine➡Extend	ExtensionLine➡Extend	ExtensionLine➡Extend	ExtensionLine➡Extend	ExtensionLine➡Extend	Specifies the distance the extension line extends beyond the dimension line.
ExtensionLine➡Offset	ExtensionLine➡Offset	ExtensionLine➡Offset	ExtensionLine➡Offset	ExtensionLine➡Offset	ExtensionLine➡Offset	Specifies the distance the extension lines are offset from the origin points.
ExtensionLine➡Weight	ExtensionLine➡Weight	ExtensionLine➡Weight	ExtensionLine➡Weight	ExtensionLine➡Weight	ExtensionLine➡Weight	Specifies the line weight for the extension lines.

Continued

2000	2000i	2002	2004	2005	2006	Description
ExtLine1EndPoint	ExtLine1EndPoint	ExtLine1EndPoint	ExtLine1EndPoint	ExtLine1EndPoint	ExtLine1EndPoint	Specifies the endpoint of the first extension line.
ExtLine1Point	ExtLine1Point	ExtLine1Point	ExtLine1Point	ExtLine1Point	ExtLine1Point	Specifies the origin of extension line 1.
ExtLine1StartPoint	ExtLine1StartPoint	ExtLine1StartPoint	ExtLine1StartPoint	ExtLine1StartPoint	ExtLine1StartPoint	Specifies the start point of the first extension line.
ExtLine1Suppress	ExtLine1Suppress	ExtLine1Suppress	ExtLine1Suppress	ExtLine1Suppress	ExtLine1Suppress	Specifies the suppression of the first extension line.
ExtLine2EndPoint	ExtLine2EndPoint	ExtLine2EndPoint	ExtLine2EndPoint	ExtLine2EndPoint	ExtLine2EndPoint	Specifies the endpoint of the second extension line.
ExtLine2Point	ExtLine2Point	ExtLine2Point	ExtLine2Point	ExtLine2Point	ExtLine2Point	Specifies the origin of extension line 1.
ExtLine2StartPoint	ExtLine2StartPoint	ExtLine2StartPoint	ExtLine2StartPoint	ExtLine2StartPoint	ExtLine2StartPoint	Specifies the start point of the second extension line.
ExtLine2Suppress	ExtLine2Suppress	ExtLine2Suppress	ExtLine2Suppress	ExtLine2Suppress	ExtLine2Suppress	Specifies the suppression of the second extension line.
Fade	Fade	Fade	Fade	Fade	Fade	Specifies the current fade value of an image.
			Feature	Feature	Feature	Specifies the feature name of an entry in the File Dependency List.
FieldLength	FieldLength	FieldLength	FieldLength	FieldLength	FieldLength	Specifies the field length of the attribute.
			FileName	FileName	FileName	Specifies the file name of an entry in the File Dependency List.
Files	Files	Files	Files	Files	Files	Gets the PreferencesFiles object.
			FileSize	FileSize	FileSize	Specifies the file size of an entry in the File Dependency List.
			FingerprintGUID	FingerprintGUID	FingerprintGUID	Specifies the Fingerprint GUID of an entry in the File Dependency List.
Fit	Fit	Fit	Fit	Fit	Fit	Specifies the placement of text and arrowheads inside or outside extension lines, based on the available space between the extension lines.
FitPoints	FitPoints	FitPoints	FitPoints	FitPoints	FitPoints	Specifies the fit points of a spline.
FitTolerance	FitTolerance	FitTolerance	FitTolerance	FitTolerance	FitTolerance	Refits the spline to the existing points with new tolerance values.
FloatingRows	FloatingRows	FloatingRows	FloatingRows	FloatingRows	FloatingRows	Specifies the number of rows for a floating toolbar.
				FlowDirection	FlowDirection	Specifies whether the title and header rows are at the bottom or the top of the table.
Flyout	Flyout	Flyout	Flyout	Flyout	Flyout	Gets the toolbar associated with a flyout toolbar item.

2000	2000i	2002	2004	2005	2006	Description
FontFile	FontFile	FontFile	FontFile	FontFile	FontFile	Specifies the primary font file path and name.
FontFileMap	FontFileMap	FontFileMap	FontFileMap	FontFileMap	FontFileMap	Specifies the location of the file that defines how AutoCAD should convert fonts it can't locate.
			FoundPath	ForceLineInside	ForceLineInside	Specifies an alternate path of an entry in the File Dependency List.
ForceLineInside	ForceLineInside	ForceLineInside	ForceLineInside	FoundPath	FoundPath	Specifies whether a dimension line is drawn between the extension lines even when the text is placed outside the extension lines.
FractionFormat	FractionFormat	FractionFormat	FractionFormat	FractionFormat	FractionFormat	Specifies the format of fractional values in dimensions and tolerances.
Freeze	Freeze	Freeze	Freeze	Freeze	Freeze	Specifies the freeze status of a layer.
FullCrcValidation	FullCrcValidation	FullCrcValidation	FullCrcValidation	FullCRCValidation	FullCRCValidation	Specifies whether a cyclic redundancy check (CRC) should be performed each time an object is read into the drawing.
			FullFileName	FullFileName	FullFileName	Specifies the saved full path name of an entry in the File Dependency List.
FullName	FullName	FullName	FullName	FullName	FullName	Gets the name of the application or document, including the path.
FullScreen➡TrackingVector	FullScreen➡TrackingVector	FullScreen➡TrackingVector	FullScreen➡TrackingVector	FullScreen➡TrackingVector	FullScreen➡TrackingVector	Toggles the display of full screen tracking vectors.
			GradientAngle	GradientAngle	GradientAngle	Specifies the gradient angle.
			GradientCentered	GradientCentered	GradientCentered	Specifies whether the gradient is centered.
			GradientColor1	GradientColor1	GradientColor1	Specifies the start color of the gradient.
			GradientColor2	GradientColor2	GradientColor2	Specifies the end color of the gradient.
			GradientName	GradientName	GradientName	Specifies the pattern name of the gradient.
GraphicsWin➡LayoutBackgrnd➡Color	GraphicsWin➡LayoutBackgrnd➡Color	GraphicsWin➡LayoutBackgrnd➡Color	GraphicsWin➡LayoutBackgrnd➡Color	GraphicsWin➡LayoutBackgrnd➡Color	GraphicsWin➡LayoutBackgrnd➡Color	Specifies the background color for the paper space layouts.
GraphicsWinModel➡BackgrndColor	GraphicsWinModel➡BackgrndColor	GraphicsWinModel➡BackgrndColor	GraphicsWinModel➡BackgrndColor	GraphicsWinModel➡BackgrndColor	GraphicsWinModel➡BackgrndColor	Specifies the background color for the model space window.
			Green	Green	Green	Specifies the green component of the True Color.
GridOn	GridOn	GridOn	GridOn	GridOn	GridOn	Specifies the status of the viewport grid.
GripColorSelected	GripColorSelected	GripColorSelected	GripColorSelected	GripColorSelected	GripColorSelected	Specifies the color of selected grips.
GripColor➡Unselected	GripColor➡Unselected	GripColor➡Unselected	GripColor➡Unselected	GripColor➡Unselected	GripColor➡Unselected	Specifies the color of unselected grips.

Continued

2000	2000i	2002	2004	2005	2006	Description
GripSize	GripSize	GripSize	GripSize	GripSize	GripSize	Specifies the size of grips.
Groups	Groups	Groups	Groups	Groups	Groups	Gets the Groups collection for the document.
Handle	Handle	Handle	Handle	Handle	Handle	Gets the handle of an object.
HasAttributes	HasAttributes	HasAttributes	HasAttributes	HasAttributes	HasAttributes	Specifies whether the block has any attributes in it.
HasExtension➡ Dictionary	HasExtension➡ Dictionary	HasExtension➡ Dictionary	HasExtension➡ Dictionary	HasExtension➡ Dictionary	HasExtension➡ Dictionary	Determines whether the object has an extension dictionary associated with it.
					HasLeader	Specifies whether the dimension has a leader.
				HasSubSelection	HasSubSelection	Specifies whether the table contains a subselection set.
				HasVpAssociation	HasVpAssociation	Specifies whether the view is associated with a paper space viewport.
			HatchObjectType	HatchObjectType	HatchObjectType	Specifies the type of the hatch, classic or gradient.
HatchStyle	HatchStyle	HatchStyle	HatchStyle	HatchStyle	HatchStyle	Specifies the hatch style.
				HeaderSuppressed	HeaderSuppressed	Specifies whether the header of the table is suppressed.
Height	Height	Height	Height	Height	Height	Height of the attribute, shape, text, or view toolbar or the main application window.
				Height	Height	Specifies the height of the table.
HelpFilePath	HelpFilePath	HelpFilePath	HelpFilePath	HelpFilePath	HelpFilePath	Specifies the location of the AutoCAD Help file.
HelpString	HelpString	HelpString	HelpString	HelpString	HelpString	Specifies the help string for the toolbar, toolbar item, or menu item.
HistoryLines	HistoryLines	HistoryLines	HistoryLines	HistoryLines	HistoryLines	Specifies the number of lines of text in the text window to keep in memory.
Horizontal➡ Alignment	Horizontal➡ Alignment	Horizontal➡ Alignment	Horizontal➡ Alignment	Horizontal➡ Alignment	Horizontal➡ Alignment	Specifies horizontal alignment for the attribute, attribute reference, or text.
HorizontalText➡ Position	HorizontalText➡ Position	HorizontalText➡ Position	HorizontalText➡ Position	HorizontalText➡ Position	HorizontalText➡ Position	Specifies the horizontal justification for dimension text.
				HorzCellMargin	HorzCellMargin	Specifies the value of the horizontal margin of cells.
HWND	HWND	HWND	HWND	HWND	HWND	Gets the window handle of the document window frame.
				HyperlinkBase	HyperlinkBase	Specifies the base address used for all relative links inserted within the drawing.

2000	2000i	2002	2004	2005	2006	Description
HyperlinkDisplay➡Cursor	HyperlinkDisplay➡Cursor	HyperlinkDisplay➡Cursor	HyperlinkDisplay➡Cursor	HyperlinkDisplay➡Cursor	HyperlinkDisplay➡Cursor	Toggles the display of the hyperlink cursor and shortcut menu.
HyperlinkDisplay➡Tooltip	HyperlinkDisplay➡Tooltip	HyperlinkDisplay➡Tooltip	HyperlinkDisplay➡Tooltip	HyperlinkDisplay➡Tooltip	HyperlinkDisplay➡Tooltip	Toggles the display of hyperlink tooltips.
Hyperlinks	Hyperlinks	Hyperlinks	Hyperlinks	Hyperlinks	Hyperlinks	Gets the Hyperlinks collection for an entity.
ImageFile	ImageFile	ImageFile	ImageFile	ImageFile	ImageFile	Specifies the full path and file name of the raster image file.
ImageFrame➡Highlight	ImageFrame➡Highlight	ImageFrame➡Highlight	ImageFrame➡Highlight	ImageFrame➡Highlight	ImageFrame➡Highlight	Controls the display of raster images during selection.
ImageHeight	ImageHeight	ImageHeight	ImageHeight	ImageHeight	ImageHeight	Specifies the height of the raster image.
ImageVisibility	ImageVisibility	ImageVisibility	ImageVisibility	ImageVisibility	ImageVisibility	Specifies whether image visibility is on or off.
ImageWidth	ImageWidth	ImageWidth	ImageWidth	ImageWidth	ImageWidth	Specifies the width of the raster image.
IncrementalSave➡Percent	IncrementalSave➡Percent	IncrementalSave➡Percent	IncrementalSave➡Percent	IncrementalSave➡Percent	IncrementalSave➡Percent	Specifies the percentage of wasted space allowed in a drawing file.
Index	Index	Index	Index	Index	Index	Specifies the index of the menu or toolbar item.
			Index	Index	Index	Specifies the index of an entry in the File Dependency List.
InsertionPoint	InsertionPoint	InsertionPoint	InsertionPoint	InsertionPoint	InsertionPoint	Insertion point for a tolerance, text, block, or shape.
					InsUnits	Specifies the insert units saved with the block.
					InsUnitsFactor	Specifies the conversion factor between block units and drawing units.
Invisible	Invisible	Invisible	Invisible	Invisible	Invisible	Specifies whether the attribute or attribute reference is invisible.
IsCloned	IsCloned	IsCloned	IsCloned	IsCloned	IsCloned	Determines whether the source object in a CopyObjects operation has been cloned.
					IsDynamicBlock	Specifies whether this is a dynamic block.
IsLayout	IsLayout	IsLayout	IsLayout	IsLayout	IsLayout	Determines whether the given block is a layout block.
			IsModified	IsModified	IsModified	Specifies whether an entry in the File Dependency List was modified.
ISOPenWidth	ISOPenWidth	ISOPenWidth	ISOPenWidth	ISOPenWidth	ISOPenWidth	Specifies the ISO pen width of an ISO hatch pattern.
IsOwnerXlated	IsOwnerXlated	IsOwnerXlated	IsOwnerXlated	IsOwnerXlated	IsOwnerXlated	Determines whether the owning object in a CopyObjects operation has been translated.

Continued

Table D-2. *Continued*

2000	2000i	2002	2004	2005	2006	Description
					IsPartial	Specifies whether the dimension is for a partial arc.
IsPeriodic	IsPeriodic	IsPeriodic	IsPeriodic	IsPeriodic	IsPeriodic	Determines whether the given spline is periodic.
IsPlanar	IsPlanar	IsPlanar	IsPlanar	IsPlanar	IsPlanar	Determines whether the given spline is planar.
IsPrimary	IsPrimary	IsPrimary	IsPrimary	IsPrimary	IsPrimary	Determines whether the source object in a CopyObjects operation was part of the primary set of objects being copied, or if it was simply owned by a member in the primary set.
IsQuiescent	IsQuiescent	IsQuiescent	IsQuiescent	IsQuiescent	IsQuiescent	Checks if AutoCAD is idle and ready to accept automation calls from out-of-process applications.
IsRational	IsRational	IsRational	IsRational	IsRational	IsRational	Determines whether the given spline is rational.
			Issuer	Issuer	Issuer	Specifies the issuer name of the digital certificate.
IsXRef	IsXRef	IsXRef	IsXRef	IsXRef	IsXRef	Determines whether the given block is an XRef block.
					JogAngle	Specifies the jog angle.
					JogLocation	Specifies the jog location or pick point.
					Justification	Specifies the justification of the MLine.
Key	Key	Key	Key	Key	Key	The object ID of the source object in the CopyObjects operation.
Keyboard➡Accelerator	Keyboard➡Accelerator	Keyboard➡Accelerator	Keyboard➡Accelerator	Keyboard➡Accelerator	Keyboard➡Accelerator	Specifies the Windows standard or AutoCAD classic keyboard.
KeyboardPriority	KeyboardPriority	KeyboardPriority	KeyboardPriority	KeyboardPriority	KeyboardPriority	Controls how AutoCAD responds to the input of coordinate data.
			KeyLength	KeyLength	KeyLength	Specifies the length of the encryption key.
				Keywords	Keywords	Specifies the keywords you want to use to locate the drawing.
Knots	Knots	Knots	Knots	Knots	Knots	Gets the knot vector for a spline.
Label	Label	Label	Label	Label	Label	Specifies the content and formatting of menu items as they appear to the user.
LargeButtons	LargeButtons	LargeButtons	LargeButtons	LargeButtons	LargeButtons	Specifies whether the toolbar button is large or small.
LastHeight	LastHeight	LastHeight	LastHeight	LastHeight	LastHeight	Specifies the last text height used.
				LastSavedBy	LastSavedBy	Specifies the name of the last person who modified the file.

2000	2000i	2002	2004	2005	2006	Description
Layer	Layer	Layer	Layer	Layer	Layer	Specifies the layer for an entity.
LayerOn	LayerOn	LayerOn	LayerOn	LayerOn	LayerOn	Specifies the state of a layer.
Layers	Layers	Layers	Layers	Layers	Layers	Gets the Layers collection for the document.
				LayerState	LayerState	Specifies the name of the layer state of the view.
Layout	Layout	Layout	Layout	Layout	Layout	Specifies the layout associated with the model space, paper space, or block object.
LayoutCreate➡Viewport	LayoutCreate➡Viewport	LayoutCreate➡Viewport	LayoutCreate➡Viewport	LayoutCreate➡Viewport	LayoutCreate➡Viewport	Toggles the automatic creation of a viewport for new layouts.
LayoutCrosshair➡Color	LayoutCrosshair➡Color	LayoutCrosshair➡Color	LayoutCrosshair➡Color	LayoutCrosshair➡Color	LayoutCrosshair➡Color	Specifies the color of the crosshairs and text for paper space layouts.
LayoutDisplay➡Margins	LayoutDisplay➡Margins	LayoutDisplay➡Margins	LayoutDisplay➡Margins	LayoutDisplay➡Margins	LayoutDisplay➡Margins	Toggles the display of margins in layouts.
LayoutDisplayPaper	LayoutDisplayPaper	LayoutDisplayPaper	LayoutDisplayPaper	LayoutDisplayPaper	LayoutDisplayPaper	Toggles the display of the paper background in layouts.
LayoutDisplay➡PaperShadow	LayoutDisplay➡PaperShadow	LayoutDisplay➡PaperShadow	LayoutDisplay➡PaperShadow	LayoutDisplay➡PaperShadow	LayoutDisplay➡PaperShadow	Toggles the display of the paper background shadow in layouts.
				LayoutID	LayoutID	Specifies the layout of the view.
Layouts	Layouts	Layouts	Layouts	Layouts	Layouts	Gets the Layouts collection for the document.
LayoutShow➡PlotSetup	LayoutShow➡PlotSetup	LayoutShow➡PlotSetup	LayoutShow➡PlotSetup	LayoutShow➡PlotSetup	LayoutShow➡PlotSetup	Toggles the display of the Plot Setup dialog when a new layout is created.
					Leader1Point	Specifies the origin of leader 1.
					Leader2Point	Specifies the origin of leader 2.
LeaderLength	LeaderLength	LeaderLength	LeaderLength	LeaderLength	LeaderLength	Specifies the length of the leader on the diameter or radius dimension.
Left	Left	Left	Left	Left	Left	Specifies the left edge of a toolbar.
Length	Length	Length	Length	Length	Length	Gets the length of a line.
LensLength	LensLength	LensLength	LensLength	LensLength	LensLength	Specifies the lens length used in perspective viewing.
LicenseServer	LicenseServer	LicenseServer				Provides network administrators a current list of client license servers available to the network license manager program.
Limits	Limits	Limits	Limits	Limits	Limits	Specifies the drawing limits.
LinearScaleFactor	LinearScaleFactor	LinearScaleFactor	LinearScaleFactor	LinearScaleFactor	LinearScaleFactor	Specifies a global scale factor for linear dimensioning measurements.

Continued

2000	2000i	2002	2004	2005	2006	Description
				LineSpacing➡Distance	LineSpacing➡Distance	Specifies the spacing of multiline text.
LineSpacingFactor	LineSpacingFactor	LineSpacingFactor	LineSpacingFactor	LineSpacingFactor	LineSpacingFactor	Specifies the relative line spacing factor for the MText object.
LineSpacingStyle	LineSpacingStyle	LineSpacingStyle	LineSpacingStyle	LineSpacingStyle	LineSpacingStyle	Specifies the line spacing style for the MText object.
Linetype	Linetype	Linetype	Linetype	Linetype	Linetype	Specifies the linetype of an entity.
LinetypeGeneration	LinetypeGeneration	LinetypeGeneration	LinetypeGeneration	LinetypeGeneration	LinetypeGeneration	Specifies the linetype generation of a 2-D polyline or a lightweight polyline.
Linetypes	Linetypes	Linetypes	Linetypes	Linetypes	Linetypes	Gets the Linetypes collection for the document.
LinetypeScale	LinetypeScale	LinetypeScale	LinetypeScale	LinetypeScale	LinetypeScale	Specifies the linetype scale of an entity.
Lineweight	Lineweight	Lineweight	Lineweight	Lineweight	Lineweight	Specifies the lineweight of an individual entity or the default lineweight for the drawing.
LineweightDisplay	LineweightDisplay	LineweightDisplay	LineweightDisplay	LineweightDisplay	LineweightDisplay	Specifies whether lineweights are displayed in model space for the drawing.
LoadAcadLspIn➡AllDocuments	LoadAcadLspIn➡AllDocuments	LoadAcadLspIn➡AllDocuments	LoadAcadLspIn➡AllDocuments	LoadAcadLspIn➡AllDocuments	LoadAcadLspIn➡AllDocuments	Specifies whether acad.lsp is loaded at startup or with each drawing.
LocaleID	LocaleID	LocaleID	LocaleID	LocaleID	LocaleID	Gets the locale ID of the current AutoCAD session.
Lock	Lock	Lock	Lock	Lock	Lock	Locks or unlocks a layer.
					LockPosition	Specifies whether the attribute or attribute reference may be moved relative to the geometry in the block.
LogFilePath	LogFilePath	LogFilePath	LogFilePath	LogFilePath	LogFilePath	Specifies the location for the log file.
LogFileOn	LogFileOn	LogFileOn	LogFileOn	LogFileOn	LogFileOn	Specifies whether the contents of the text window are written to a log file.
LowerLeftCorner	LowerLeftCorner	LowerLeftCorner	LowerLeftCorner	LowerLeftCorner	LowerLeftCorner	Gets the lower-left corner of the current active viewport.
Macro	Macro	Macro	Macro	Macro	Macro	Specifies the macro for the menu or toolbar item.
MainDictionary	MainDictionary	MainDictionary	MainDictionary	MainDictionary	MainDictionary	Specifies the current dictionary to use for spell checking.
MajorAxis	MajorAxis	MajorAxis	MajorAxis	MajorAxis	MajorAxis	Specifies the direction of the major axis of the ellipse.
MajorRadius	MajorRadius	MajorRadius	MajorRadius	MajorRadius	MajorRadius	Specifies the length of the major axis of the ellipse.
	Mask	Mask	Mask	Mask	Mask	Specifies the layer properties to be restored.

2000	2000i	2002	2004	2005	2006	Description
MaxActiveViewports	MaxActiveViewports	MaxActiveViewports	MaxActiveViewports	MaxActiveViewports	MaxActiveViewports	Specifies the maximum number of active viewports.
MaxAutoCADWindow	MaxAutoCADWindow	MaxAutoCADWindow	MaxAutoCADWindow	MaxAutoCADWindow	MaxAutoCADWindow	Specifies whether AutoCAD should fill the entire screen area when you start.
MClose	MClose	MClose	MClose	Mclose	Mclose	Specifies whether the PolygonMesh is closed in the M direction.
MDensity	MDensity	MDensity	MDensity	Mdensity	Mdensity	Specifies the surface density of a PolygonMesh in the M direction.
Measurement	Measurement	Measurement	Measurement	Measurement	Measurement	Gets the measurement for the dimension.
MenuBar	MenuBar	MenuBar	MenuBar	MenuBar	MenuBar	Gets the MenuBar object for the session.
MenuFile	MenuFile	MenuFile	MenuFile	MenuFile	MenuFile	Specifies the location of the AutoCAD menu file for the session.
MenuFileName	MenuFileName	MenuFileName	MenuFileName	MenuFileName	MenuFileName	Gets the menu file name where the menu group is located.
MenuGroups	MenuGroups	MenuGroups	MenuGroups	MenuGroups	MenuGroups	Gets the MenuGroups collection for the session.
Menus	Menus	Menus	Menus	Menus	Menus	Gets the PopupMenus collection.
				MinimumTableHeight	MinimumTableHeight	Specifies the minimum height of the table.
				MinimumTableWidth	MinimumTableWidth	Specifies the minimum width of the table.
MinorAxis	MinorAxis	MinorAxis	MinorAxis	MinorAxis	MinorAxis	Specifies the direction of the minor axis of an ellipse.
MinorRadius	MinorRadius	MinorRadius	MinorRadius	MinorRadius	MinorRadius	Specifies the length of the minor axis of the ellipse.
Mode	Mode	Mode	Mode	Mode	Mode	Specifies the mode of the attribute definition.
ModelCrosshair➡Color	ModelCrosshair➡Color	ModelCrosshair➡Color	ModelCrosshair➡Color	ModelCrosshair➡Color	ModelCrosshair➡Color	Specifies the color of the crosshairs and text for model space.
ModelSpace	ModelSpace	ModelSpace	ModelSpace	ModelSpace	ModelSpace	Gets the ModelSpace collection for the document.
ModelType	ModelType	ModelType	ModelType	ModelType	ModelType	Gets the type of layout, model or paper space, to which a layout or plot configuration applies.
MomentOfInertia	MomentOfInertia	MomentOfInertia	MomentOfInertia	MomentOfInertia	MomentOfInertia	Gets the moment of inertia for the solid.
MRUNumber	MRUNumber	MRUNumber	MRUNumber	MRUNumber	MRUNumber	Specifies the number of most recently used files that appear in the File menu.
MSpace	MSpace	MSpace	MSpace	MSpace	MSpace	Allows editing of the model from floating paper space viewports.
MVertexCount	MVertexCount	MVertexCount	MVertexCount	MVertexCount	MVertexCount	Gets the vertex count in the M direction for a PolygonMesh.

2000	2000i	2002	2004	2005	2006	Description
Name	Name	Name	Name	Name	Name	Specifies the name of the object.
NameNoMnemonic	NameNoMnemonic	NameNoMnemonic	NameNoMnemonic	NameNoMnemonic	NameNoMnemonic	Specifies the name of the pop-up menu without the underscore mnemonic.
NClose	NClose	NClose	NClose	Nclose	Nclose	Specifies whether the PolygonMesh is closed in the N direction.
NDensity	NDensity	NDensity	NDensity	NDensity	NDensity	Specifies the smooth surface density of a PolygonMesh in the N direction.
Normal	Normal	Normal	Normal	Normal	Normal	Specifies the three-dimensional normal unit vector for the entity.
NumberOfControl➡Points	NumberOfControl➡Points	NumberOfControl➡Points	NumberOfControl➡Points	NumberOfControl➡Points	NumberOfControl➡Points	Gets the number of control points of the spline.
NumberOfCopies	NumberOfCopies	NumberOfCopies	NumberOfCopies	NumberOfCopies	NumberOfCopies	Specifies the number of copies to plot.
NumberOfFaces	NumberOfFaces	NumberOfFaces	NumberOfFaces	NumberOfFaces	NumberOfFaces	Gets the number of faces for the PolyfaceMesh.
NumberOfFitPoints	NumberOfFitPoints	NumberOfFitPoints	NumberOfFitPoints	NumberOfFitPoints	NumberOfFitPoints	Gets the number of fit points of the spline.
NumberOfLoops	NumberOfLoops	NumberOfLoops	NumberOfLoops	NumberOfLoops	NumberOfLoops	Gets the number of loops in the hatch boundary.
NumberOfVertices	NumberOfVertices	NumberOfVertices	NumberOfVertices	NumberOfVertices	NumberOfVertices	Gets the number of vertices for the PolyfaceMesh.
NVertexCount	NVertexCount	NVertexCount	NVertexCount	NVertexCount	NVertexCount	Gets the vertex count in the N direction for a PolygonMesh.
ObjectARXPath	ObjectARXPath	ObjectARXPath				Specifies the location for ObjectARX applications.
ObjectID	ObjectID	ObjectID	ObjectID	ObjectID	ObjectID	Gets the object ID of the object.
ObjectName	ObjectName	ObjectName	ObjectName	ObjectName	ObjectName	Gets the AutoCAD class name of the object.
ObjectSnapMode	ObjectSnapMode	ObjectSnapMode	ObjectSnapMode	ObjectSnapMode	ObjectSnapMode	Specifies the setting of the object snap mode.
ObjectSortBy➡Plotting	ObjectSortBy➡Plotting	ObjectSortBy➡Plotting	ObjectSortBy➡Plotting	ObjectSortBy➡Plotting	ObjectSortBy➡Plotting	Toggles sorting of drawing objects by plotting order.
ObjectSortBy➡PSOutput	ObjectSortBy➡PSOutput	ObjectSortBy➡PSOutput	ObjectSortBy➡PSOutput	ObjectSortBy➡PSOutput	ObjectSortBy➡PSOutput	Toggles sorting of drawing objects by PostScript output order.
ObjectSortBy➡Redraws	ObjectSortBy➡Redraws	ObjectSortBy➡Redraws	ObjectSortBy➡Redraws	ObjectSortBy➡Redraws	ObjectSortBy➡Redraws	Toggles sorting of drawing objects by redraw order.
ObjectSortBy➡Regens	ObjectSortBy➡Regens	ObjectSortBy➡Regens	ObjectSortBy➡Regens	ObjectSortBy➡Regens	ObjectSortBy➡Regens	Toggles sorting of drawing objects by regeneration order.
ObjectSortBy➡Selection	ObjectSortBy➡Selection	ObjectSortBy➡Selection	ObjectSortBy➡Selection	ObjectSortBy➡Selection	ObjectSortBy➡Selection	Toggles sorting of drawing objects by object selection.
ObjectSortBySnap	ObjectSortBySnap	ObjectSortBySnap	ObjectSortBySnap	ObjectSortBySnap	ObjectSortBySnap	Toggles sorting of drawing objects by object snap.

2000	2000i	2002	2004	2005	2006	Description
ObliqueAngle	ObliqueAngle	ObliqueAngle	ObliqueAngle	ObliqueAngle	ObliqueAngle	Specifies the oblique angle of the object.
OLELaunch	OLELaunch	OLELaunch	OLELaunch	OLELaunch	OLELaunch	Determines whether to launch the parent application when plotting OLE objects.
OLEQuality	OLEQuality	OLEQuality	OLEQuality	OLEQuality	OLEQuality	Specifies the plot quality of OLE objects.
OnMenuBar	OnMenuBar	OnMenuBar	OnMenuBar	OnMenuBar	OnMenuBar	Determines whether the specified pop-up menu is on the menu bar.
OpenSave	OpenSave	OpenSave	OpenSave	OpenSave	OpenSave	Gets the PreferencesOpenSave object.
Origin	Origin	Origin	Origin	Origin	Origin	Specifies the origin of the UCS, block, layout, or raster image in WCS coordinates.
OrthoOn	OrthoOn	OrthoOn	OrthoOn	OrthoOn	OrthoOn	Specifies the status of the Ortho mode for the viewport.
Output	Output	Output	Output	Output	Output	Gets the PreferencesOutput object.
					OverrideCenter	Specifies the override center location or pick point.
OwnerID	OwnerID	OwnerID	OwnerID	OwnerID	OwnerID	Gets the object ID of the owner (parent) object.
				PageSetup➡Overrides➡TemplateFile	PageSetup➡Overrides➡TemplateFile	Specifies the default template for Page Setup overrides.
PaperSpace	PaperSpace	PaperSpace	PaperSpace	PaperSpace	PaperSpace	Gets the PaperSpace collection for the document.
PaperUnits	PaperUnits	PaperUnits	PaperUnits	PaperUnits	PaperUnits	Specifies the units for the display of layout or plot configuration properties.
Parent	Parent	Parent	Parent	Parent	Parent	Gets the parent of the object.
			Password	Password	Password	Specifies the encryption password.
Path	Path	Path	Path	Path	Path	Gets the path of the document, application, or external reference.
PatternAngle	PatternAngle	PatternAngle	PatternAngle	PatternAngle	PatternAngle	Specifies the angle of the hatch pattern.
PatternDouble	PatternDouble	PatternDouble	PatternDouble	PatternDouble	PatternDouble	Specifies whether the user-defined hatch is double-hatched.
PatternName	PatternName	PatternName	PatternName	PatternName	PatternName	Specifies the hatch pattern name.
PatternScale	PatternScale	PatternScale	PatternScale	PatternScale	PatternScale	Specifies the hatch pattern scale.
PatternSpace	PatternSpace	PatternSpace	PatternSpace	PatternSpace	PatternSpace	Specifies the user-defined hatch pattern spacing.
PatternType	PatternType	PatternType	PatternType	PatternType	PatternType	Gets the pattern type used for the hatch.
Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Gets the total length of the inner and outer region loops.

Continued

2000	2000i	2002	2004	2005	2006	Description
PickAdd	PickAdd	PickAdd	PickAdd	PickAdd	PickAdd	Determines whether objects are added to the selection set using the Shift key.
PickAuto	PickAuto	PickAuto	PickAuto	PickAuto	PickAuto	Controls automatic windowing at the Select Objects prompt.
PickBoxSize	PickBoxSize	PickBoxSize	PickBoxSize	PickBoxSize	PickBoxSize	Specifies the size of the object selection target.
PickDrag	PickDrag	PickDrag	PickDrag	PickDrag	PickDrag	Controls the method of drawing a selection window.
PickFirst	PickFirst	PickFirst	PickFirst	PickFirst	PickFirst	Determines whether you select objects before (noun-verb selection) or after you issue a command.
Pickfirst➥SelectionSet	Pickfirst➥SelectionSet	Pickfirst➥SelectionSet	Pickfirst➥SelectionSet	Pickfirst➥SelectionSet	Pickfirst➥SelectionSet	Gets the pickfirst selection set.
PickGroup	PickGroup	PickGroup	PickGroup	PickGroup	PickGroup	Determines whether picking a single object in a group selects the entire group.
Plot	Plot	Plot	Plot	Plot	Plot	Gets the Plot object for the document.
PlotConfigurations	PlotConfigurations	PlotConfigurations	PlotConfigurations	PlotConfigurations	PlotConfigurations	Gets the PlotConfigurations collection for the document.
PlotHidden	PlotHidden	PlotHidden	PlotHidden	PlotHidden	PlotHidden	Specifies whether objects are to be hidden during a plot.
PlotLegacy	PlotLegacy	PlotLegacy	PlotLegacy	PlotLegacy	PlotLegacy	Toggles if legacy plot scripts are allowed to run.
				PlotLogFilePath	PlotLogFilePath	Specifies the path of the Plot log file.
PlotOrigin	PlotOrigin	PlotOrigin	PlotOrigin	PlotOrigin	PlotOrigin	Specifies the origin of the UCS, block, layout, or raster image in WCS coordinates.
PlotPolicy	PlotPolicy	PlotPolicy	PlotPolicy	PlotPolicy	PlotPolicy	Determines whether an object's color property is associated with its plot style name when creating a new drawing.
PlotRotation	PlotRotation	PlotRotation	PlotRotation	PlotRotation	PlotRotation	Specifies the rotation angle for the layout or plot configuration.
PlotStyleName	PlotStyleName	PlotStyleName	PlotStyleName	PlotStyleName	PlotStyleName	Specifies the plot style name for an object, group of objects, or layer.
Plottable	Plottable	Plottable	Plottable	Plottable	Plottable	Specifies whether the layer is plottable.
PlotType	PlotType	PlotType	PlotType	PlotType	PlotType	Specifies the type of layout or plot configuration.
PlotViewport➥Borders	PlotViewport➥Borders	PlotViewport➥Borders	PlotViewport➥Borders	PlotViewport➥Borders	PlotViewport➥Borders	Specifies whether the viewport borders are to be plotted.
PlotViewportsFirst	PlotViewportsFirst	PlotViewportsFirst	PlotViewportsFirst	PlotViewportsFirst	PlotViewportsFirst	Specifies whether all geometry in paper space viewports is plotted first.

2000	2000i	2002	2004	2005	2006	Description
PlotWith➡Lineweights	PlotWith➡Lineweights	PlotWith➡Lineweights	PlotWith➡Lineweights	PlotWith➡Lineweights	PlotWith➡Lineweights	Specifies whether objects plot with the lineweights they're assigned in the plot file or with the lineweights in the drawing file.
PlotWith➡PlotStyles	PlotWith➡PlotStyles	PlotWith➡PlotStyles	PlotWith➡PlotStyles	PlotWith➡PlotStyles	PlotWith➡PlotStyles	Specifies whether objects plot with the configuration they're assigned in the plot file or with the configuration in the drawing file.
PolarTracking➡Vector	PolarTracking➡Vector	PolarTracking➡Vector	PolarTracking➡Vector	PolarTracking➡Vector	PolarTracking➡Vector	Toggles the display of polar tracking vectors.
PostScript➡PrologFile	PostScript➡PrologFile	PostScript➡PrologFile	PostScript➡PrologFile	PostScript➡PrologFile	PostScript➡PrologFile	Specifies a name for a customized prolog section in the acad.psf file.
Preferences	Preferences	Preferences	Preferences	Preferences	Preferences	Gets the Preferences object.
Preset	Preset	Preset	Preset	Preset	Preset	Specifies whether the attribute or attribute reference is preset.
PrimaryUnits➡Precision	PrimaryUnits➡Precision	PrimaryUnits➡Precision	PrimaryUnits➡Precision	PrimaryUnits➡Precision	PrimaryUnits➡Precision	Specifies the number of decimal places displayed for the primary units of a dimension or tolerance.
Principal➡Directions	Principal➡Directions	Principal➡Directions	Principal➡Directions	Principal➡Directions	Principal➡Directions	Gets the principal directions of the solid or region.
PrincipalMoments	PrincipalMoments	PrincipalMoments	PrincipalMoments	PrincipalMoments	PrincipalMoments	Gets the principal moments property of the solid or region.
PrinterConfigPath	PrinterConfigPath	PrinterConfigPath	PrinterConfigPath	PrinterConfigPath	PrinterConfigPath	Specifies the location for printer configuration files.
PrinterDescPath	PrinterDescPath	PrinterDescPath	PrinterDescPath	PrinterDescPath	PrinterDescPath	Specifies the location for printer description files.
PrinterPaper➡SizeAlert	PrinterPaper➡SizeAlert	PrinterPaper➡SizeAlert	PrinterPaper➡SizeAlert	PrinterPaper➡SizeAlert	PrinterPaper➡SizeAlert	Specifies whether to alert the user when a layout is configured with a paper size that is different than the default setting for the PC3 file.
PrinterSpoolAlert	PrinterSpoolAlert	PrinterSpoolAlert	PrinterSpoolAlert	PrinterSpoolAlert	PrinterSpoolAlert	Specifies whether to alert the user when the output to a device must be spooled through a system printer due to a conflict with the I/O port.
PrinterStyle➡SheetPath	PrinterStyle➡SheetPath	PrinterStyle➡SheetPath	PrinterStyle➡SheetPath	PrinterStyle➡SheetPath	PrinterStyle➡SheetPath	Specifies the location for printer style sheet files.
PrintFile	PrintFile	PrintFile	PrintFile	PrintFile	PrintFile	Specifies an alternate name to use for the temporary plot file name.
PrintSpoolerPath	PrintSpoolerPath	PrintSpoolerPath	PrintSpoolerPath	PrintSpoolerPath	PrintSpoolerPath	Specifies the directory for the print spool files. AutoCAD writes the plot to this location.
PrintSpool➡Executable	PrintSpool➡Executable	PrintSpool➡Executable	PrintSpool➡Executable	PrintSpool➡Executable	PrintSpool➡Executable	Specifies the application to use for print spooling.

Continued

2000	2000i	2002	2004	2005	2006	Description
ProductOfInertia	ProductOfInertia	ProductOfInertia	ProductOfInertia	ProductOfInertia	ProductOfInertia	Gets the product of inertia of the solid or region.
Profiles	Profiles	Profiles	Profiles	Profiles	Profiles	Gets the PreferencesProfiles object.
PromptString	PromptString	PromptString	PromptString	PromptString	PromptString	Specifies the prompt string for an attribute.
					PropertyName	Specifies the name for the property.
			ProviderName	ProviderName	ProviderName	Specifies the encryption provider name.
			ProviderType	ProviderType	ProviderType	Specifies the encryption provider type.
ProxyImage	ProxyImage	ProxyImage	ProxyImage	ProxyImage	ProxyImage	Controls the display of objects in a drawing that were created in a third-party application.
				QNewTemplateFile	QNewTemplateFile	Sets the default template file name for the QNEW command.
QuietErrorMode	QuietErrorMode	QuietErrorMode	QuietErrorMode	QuietErrorMode	QuietErrorMode	Toggles the quiet error mode for plot error reporting.
RadiiOfGyration	RadiiOfGyration	RadiiOfGyration	RadiiOfGyration	RadiiOfGyration	RadiiOfGyration	Gets the radius of gyration of the solid or region.
Radius	Radius	Radius	Radius	Radius	Radius	Specifies the radius of an arc or circle.
RadiusRatio	RadiusRatio	RadiusRatio	RadiusRatio	RadiusRatio	RadiusRatio	Specifies the major to minor axis ratio of an ellipse.
ReadOnly	ReadOnly	ReadOnly	ReadOnly	ReadOnly	ReadOnly	Specifies whether the document is read-only or read-write.
			Red	Red	Red	Specifies the red component of the True Color.
			ReferenceCount	ReferenceCount	ReferenceCount	Specifies the reference count of an entry in the File Dependency List.
					RegenerateTable➡Suppressed	Enables or disables regeneration of the table block.
Registered➡Applications	Registered➡Applications	Registered➡Applications	Registered➡Applications	Registered➡Applications	Registered➡Applications	Gets the RegisteredApplications collection for the document.
RemoveHiddenLines	RemoveHiddenLines	RemoveHiddenLines	RemoveHiddenLines	RemoveHiddenLines	RemoveHiddenLines	Specifies whether hidden lines are to be plotted on a paper space viewport.
RenderSmoothness	RenderSmoothness	RenderSmoothness	RenderSmoothness	RenderSmoothness	RenderSmoothness	Specifies the smoothness of shaded, rendered, and hidden line-removed objects.
				RevisionNumber	RevisionNumber	Specifies the revision number.
Rotation	Rotation	Rotation	Rotation	Rotation	Rotation	Specifies the rotation angle for the object.
RoundDistance	RoundDistance	RoundDistance	RoundDistance	RoundDistance	RoundDistance	Specifies the rounding of dimension units.
				RowHeight	RowHeight	Specifies a uniform height for all rows in the table.

2000	2000i	2002	2004	2005	2006	Description
Rows	Rows	Rows	Rows	Rows	Rows	Specifies the number of rows in a block array.
				Rows	Rows	Specifies the number of rows in the table.
RowSpacing	RowSpacing	RowSpacing	RowSpacing	RowSpacing	RowSpacing	Specifies the spacing of the rows in a block array.
SaveAsType	SaveAsType	SaveAsType	SaveAsType	SaveAsType	SaveAsType	Specifies the drawing type to save the drawing as.
Saved	Saved	Saved	Saved	Saved	Saved	Specifies whether the document has any unsaved changes.
SavePreview➡Thumbnail	SavePreview➡Thumbnail	SavePreview➡Thumbnail	SavePreview➡Thumbnail	SavePreview➡Thumbnail	SavePreview➡Thumbnail	Specifies whether BMP preview images are saved with the drawing.
ScaleFactor	ScaleFactor	ScaleFactor	ScaleFactor	ScaleFactor	ScaleFactor	Specifies the scale factor for the object.
ScaleLineweights	ScaleLineweights	ScaleLineweights	ScaleLineweights	ScaleLineweights	ScaleLineweights	Specifies whether the lineweight is scaled with the rest of the geometry when a layout is printed.
SCMCommandMode	SCMCommandMode	SCMCommandMode	SCMCommandMode	SCMCommandMode	SCMCommandMode	Determines right-click functionality in the drawing area while in Command mode, which means that a command is currently in progress.
SCMDefaultMode	SCMDefaultMode	SCMDefaultMode	SCMDefaultMode	SCMDefaultMode	SCMDefaultMode	Determines right-click functionality in the drawing area while in Default mode, which means that no objects are selected and no commands are in progress.
SCMEditMode	SCMEditMode	SCMEditMode	SCMEditMode	SCMEditMode	SCMEditMode	Determines right-click functionality in the drawing area while in Edit mode, which means that one or more objects are selected and no commands are in progress.
				SCMTimeMode	SCMTimeMode	Controls time-sensitive right-click behavior.
				SCMTimeValue	SCMTimeValue	Controls time-sensitive right-click behavior by setting the duration of the long click that displays a shortcut menu.
SecondPoint	SecondPoint	SecondPoint	SecondPoint	SecondPoint	SecondPoint	Specifies the second point of the ray or xline.
SegmentPerPolyline	SegmentPerPolyline	SegmentPerPolyline	SegmentPerPolyline	SegmentPerPolyline	SegmentPerPolyline	Specifies the number of line segments to be generated for each polyline curve.
Selection	Selection	Selection	Selection	Selection	Selection	Gets the PreferencesSelection object.
SelectionSets	SelectionSets	SelectionSets	SelectionSets	SelectionSets	SelectionSets	Gets the SelectionSets collection for the document.
			SerialNumber	SerialNumber	SerialNumber	Specifies the serial number of the digital certificate.

Continued

2000	2000i	2002	2004	2005	2006	Description
			ShadePlot	ShadePlot	ShadePlot	Specifies the shaded viewport plotting mode of a viewport.
ShortcutMenu	ShortcutMenu	ShortcutMenu	ShortcutMenu	ShortCutMenu	ShortCutMenu	Determines whether the specified pop-up menu is the shortcut menu.
ShortCutMenu➡Display	ShortCutMenu➡Display	ShortCutMenu➡Display	ShortCutMenu➡Display	ShortCutMenu➡Display	ShortCutMenu➡Display	Controls whether right-clicking in the drawing area displays a shortcut menu or issues Enter.
					Show	Specifies whether the property is shown in the user interface.
ShowPlotStyles	ShowPlotStyles	ShowPlotStyles	ShowPlotStyles	ShowPlotStyles	ShowPlotStyles	Specifies whether plot styles are to be used in the plot.
ShowProxyDialogBox	ShowProxyDialogBox	ShowProxyDialogBox	ShowProxyDialogBox	ShowProxyDialogBox	ShowProxyDialogBox	Specifies whether AutoCAD displays a warning message when you open a drawing that contains custom objects.
ShowRasterImage	ShowRasterImage	ShowRasterImage	ShowRasterImage	ShowRasterImage	ShowRasterImage	Controls the display of raster images during real time pan and zooms.
ShowRotation	ShowRotation	ShowRotation	ShowRotation	ShowRotation	ShowRotation	Determines whether a raster image is displayed at its rotation value.
ShowWarning➡Messages	ShowWarning➡Messages	ShowWarning➡Messages	ShowWarning➡Messages	ShowWarning➡Messages	ShowWarning➡Messages	Resets all dialog boxes that have the Don't Display This Warning Again check box so they display again.
SingleDocumentMode	SingleDocumentMode	SingleDocumentMode	SingleDocumentMode	SingleDocumentMode	SingleDocumentMode	Determines whether AutoCAD runs in single- or multiple-document mode.
SnapBasePoint	SnapBasePoint	SnapBasePoint	SnapBasePoint	SnapBasePoint	SnapBasePoint	Specifies the snap base point for the viewport.
SnapOn	SnapOn	SnapOn	SnapOn	SnapOn	SnapOn	Specifies the status of snap.
SnapRotationAngle	SnapRotationAngle	SnapRotationAngle	SnapRotationAngle	SnapRotationAngle	SnapRotationAngle	Specifies the snap rotation angle of the viewport relative to the current UCS.
SolidFill	SolidFill	SolidFill	SolidFill	SolidFill	SolidFill	Specifies whether multilines, traces, solids, all hatches (including solid-fill) and wide polylines are filled in.
StandardScale	StandardScale	StandardScale	StandardScale	StandardScale	StandardScale	Specifies the standard scale for the layout, viewport, or plot configuration.
StartAngle	StartAngle	StartAngle	StartAngle	StartAngle	StartAngle	Specifies the start angle of an arc or an ellipse.
StartParameter	StartParameter	StartParameter	StartParameter	StartParameter	StartParameter	Specifies the start parameter for an ellipse.
StartPoint	StartPoint	StartPoint	StartPoint	StartPoint	StartPoint	Specifies the start point for the arc, line, or ellipse.
StartTangent	StartTangent	StartTangent	StartTangent			Specifies the start tangent for the spline.

2000	2000i	2002	2004	2005	2006	Description
StatusID	StatusID	StatusID	StatusID	StatusID	StatusID	Gets the current active status of the viewport.
StoreSQLIndex	StoreSQLIndex	StoreSQLIndex	StoreSQLIndex	StoreSQLIndex	StoreSQLIndex	Determines whether the SQL index is stored in the drawing.
StyleName	StyleName	StyleName	StyleName	StyleName	StyleName	Specifies the name of the style used with the object.
				StyleName	StyleName	Specifies the name of the table style.
StyleSheet	StyleSheet	StyleSheet	StyleSheet	StyleSheet	StyleSheet	Specifies the style sheet for the layout, or plot configuration.
			Subject	Subject	Subject	Specifies the subject name of the digital certificate.
				Subject	Subject	Specifies the subject of the drawing.
SubMenu	SubMenu	SubMenu	SubMenu	SubMenu	SubMenu	Gets the pop-up menu associated with a submenu.
				SummaryInfo	SummaryInfo	Specifies the properties of a drawing.
SupportPath	SupportPath	SupportPath	SupportPath	SupportPath	SupportPath	Specifies the directories where AutoCAD searches for support files.
Suppress➡LeadingZeros	Suppress➡LeadingZeros	Suppress➡LeadingZeros	Suppress➡LeadingZeros	Suppress➡LeadingZeros	Suppress➡LeadingZeros	Specifies the suppression of leading zeros in dimension values.
Suppress➡TrailingZeros	Suppress➡TrailingZeros	Suppress➡TrailingZeros	Suppress➡TrailingZeros	Suppress➡TrailingZeros	Suppress➡TrailingZeros	Specifies the suppression of trailing zeros in dimension values.
SuppressZeroFeet	SuppressZeroFeet	SuppressZeroFeet	SuppressZeroFeet	SuppressZeroFeet	SuppressZeroFeet	Specifies the suppression of a zero foot measurement in dimension values.
SuppressZeroInches	SuppressZeroInches	SuppressZeroInches	SuppressZeroInches	SuppressZeroInches	SuppressZeroInches	Specifies the suppression of a zero inch measurement in dimension values.
					SymbolPosition	Specifies placement of the arc length dimension symbol.
System	System	System	System	System	System	Gets the PreferencesSystem object.
TablesReadOnly	TablesReadOnly	TablesReadOnly	TablesReadOnly	TablesReadOnly	TablesReadOnly	Determines whether to open database tables in read-only mode.
				TableStyleOverrides	TableStyleOverrides	Specifies the table style overrides.
TabOrder	TabOrder	TabOrder	TabOrder	TabOrder	TabOrder	Specifies the tab order of a layout.
TagString	TagString	TagString	TagString	TagString	TagString	Specifies the tag string of the object.
Target	Target	Target	Target	Target	Target	Specifies the target point for the view or viewport.
TempFileExtension	TempFileExtension	TempFileExtension	TempFileExtension	TempFileExtension	TempFileExtension	Specifies the extension for temporary files.
TempFilePath	TempFilePath	TempFilePath	TempFilePath	TempFilePath	TempFilePath	Specifies the directory AutoCAD uses to store temporary files.

Continued

2000	2000i	2002	2004	2005	2006	Description
TemplateDwgPath	TemplateDwgPath	TemplateDwgPath	TemplateDwgPath	TemplateDwgPath	TemplateDwgPath	Specifies the path for the template files used by the startup wizards.
TempXRefPath	TempXRefPath	TempXRefPath	TempXRefPath	TempXRefPath	TempXRefPath	Specifies the location of external reference files.
TextAlignmentPoint	TextAlignmentPoint	TextAlignmentPoint	TextAlignmentPoint	TextAlignmentPoint	TextAlignmentPoint	Specifies the alignment point for text and attributes.
TextColor	TextColor	TextColor	TextColor	TextColor	TextColor	Specifies the color of the text for dimension and tolerance objects.
TextEditor	TextEditor	TextEditor	TextEditor	TextEditor	TextEditor	Specifies the name of the text editor for the MTEXT command.
TextFont	TextFont	TextFont	TextFont	TextFont	TextFont	Specifies the font for new text.
TextFontSize	TextFontSize	TextFontSize	TextFontSize	TextFontSize	TextFontSize	Specifies the font size for new text.
TextFontStyle	TextFontStyle	TextFontStyle	TextFontStyle	TextFontStyle	TextFontStyle	Specifies the font style for new text.
TextFrameDisplay	TextFrameDisplay	TextFrameDisplay	TextFrameDisplay	TextFrameDisplay	TextFrameDisplay	Toggles the display of frames for text objects instead of displaying the text itself.
TextGap	TextGap	TextGap	TextGap	TextGap	TextGap	Specifies the distance between the dimension text and the dimension line when you break the dimension line to accommodate dimension text.
TextGenerationFlag	TextGenerationFlag	TextGenerationFlag	TextGenerationFlag	TextGenerationFlag	TextGenerationFlag	Specifies the attribute text generation flag.
TextHeight	TextHeight	TextHeight	TextHeight	TextHeight	TextHeight	Specifies the height for the dimension or tolerance text.
TextInside	TextInside	TextInside	TextInside	TextInside	TextInside	Specifies whether the dimension text is to be drawn inside the extension lines.
TextInsideAlign	TextInsideAlign	TextInsideAlign	TextInsideAlign	TextInsideAlign	TextInsideAlign	Specifies the position of dimension text inside the extension lines for all dimension types except ordinate.
TextMovement	TextMovement	TextMovement	TextMovement	TextMovement	TextMovement	Specifies how dimension text is drawn when text is moved.
TextOutsideAlign	TextOutsideAlign	TextOutsideAlign	TextOutsideAlign	TextOutsideAlign	TextOutsideAlign	Specifies the position of dimension text outside the extension lines for all dimension types except ordinate.
TextOverride	TextOverride	TextOverride	TextOverride	TextOverride	TextOverride	Specifies the text string for the dimension.
TextPosition	TextPosition	TextPosition	TextPosition	TextPosition	TextPosition	Specifies the dimension text position.
TextPrecision	TextPrecision	TextPrecision	TextPrecision	TextPrecision	TextPrecision	Specifies the precision of angular dimension text.
TextPrefix	TextPrefix	TextPrefix	TextPrefix	TextPrefix	TextPrefix	Specifies the dimension value prefix.
TextRotation	TextRotation	TextRotation	TextRotation	TextRotation	TextRotation	Specifies the rotation angle of the dimension text.

2000	2000i	2002	2004	2005	2006	Description
TextString	TextString	TextString	TextString	TextString	TextString	Specifies the text string for the entity.
TextStyle	TextStyle	TextStyle	TextStyle	TextStyle	TextStyle	Specifies the text style for the dimension or tolerance text.
TextStyles	TextStyles	TextStyles	TextStyles	TextStyles	TextStyles	Gets the TextStyles collection for the document.
TextSuffix	TextSuffix	TextSuffix	TextSuffix	TextSuffix	TextSuffix	Specifies the dimension value suffix.
TextureMapPath	TextureMapPath	TextureMapPath	TextureMapPath	TextureMapPath	TextureMapPath	Specifies the directory in which AutoCAD searches for rendering texture maps.
TextWin➡BackgrndColor	TextWin➡BackgrndColor	TextWin➡BackgrndColor	TextWin➡BackgrndColor	TextWin➡BackgrndColor	TextWin➡BackgrndColor	Specifies the background color for the text window.
TextWinTextColor	TextWinTextColor	TextWinTextColor	TextWinTextColor	TextWinTextColor	TextWinTextColor	Specifies the text color for the text window.
Thickness	Thickness	Thickness	Thickness	Thickness	Thickness	Specifies the distance a 2-D AutoCAD object is extruded above or below its elevation.
			TimeServer	TimeServer	TimeServer	Specifies the name of the time server to be used for a digital signature.
			TimeStamp	TimeStamp	TimeStamp	Specifies the timestamp of an entry in the File Dependency List.
				Title	Title	Specifies the title you want to use to locate the drawing
				TitleSuppressed	TitleSuppressed	Specifies whether the title of the table is suppressed.
ToleranceDisplay	ToleranceDisplay	ToleranceDisplay	ToleranceDisplay	ToleranceDisplay	ToleranceDisplay	Specifies whether tolerances are displayed with the dimension text.
Tolerance➡HeightScale	Tolerance➡HeightScale	Tolerance➡HeightScale	Tolerance➡HeightScale	Tolerance➡HeightScale	Tolerance➡HeightScale	Specifies a scale factor for the text height of tolerance values relative to the dimension text height.
Tolerance➡Justification	Tolerance➡Justification	Tolerance➡Justification	Tolerance➡Justification	Tolerance➡Justification	Tolerance➡Justification	Specifies the vertical justification of tolerance values relative to the nominal dimension text.
Tolerance➡LowerLimit	Tolerance➡LowerLimit	Tolerance➡LowerLimit	Tolerance➡LowerLimit	Tolerance➡LowerLimit	Tolerance➡LowerLimit	Specifies the minimum tolerance limit for dimension text.
TolerancePrecision	TolerancePrecision	TolerancePrecision	TolerancePrecision	TolerancePrecision	TolerancePrecision	Specifies the precision of tolerance values in primary dimensions.
Tolerance➡Suppress➡LeadingZeros	Tolerance➡Suppress➡LeadingZeros	Tolerance➡Suppress➡LeadingZeros	Tolerance➡Suppress➡LeadingZeros	Tolerance➡Suppress➡LeadingZeros	Tolerance➡Suppress➡LeadingZeros	Specifies the suppression of leading zeros in tolerance values.
Tolerance➡Suppress➡TrailingZeros	Tolerance➡Suppress➡TrailingZeros	Tolerance➡Suppress➡TrailingZeros	Tolerance➡Suppress➡TrailingZeros	Tolerance➡Suppress➡TrailingZeros	Tolerance➡Suppress➡TrailingZeros	Specifies the suppression of trailing zeros in dimension values.

Continued

2000	2000i	2002	2004	2005	2006	Description
Tolerance➡SuppressZero➡Feet	Tolerance➡SuppressZero➡Feet	Tolerance➡SuppressZero➡Feet	Tolerance➡SuppressZero➡Feet	Tolerance➡SuppressZero➡Feet	Tolerance➡SuppressZero➡Feet	Specifies the suppression of a zero foot measurement in tolerance values.
Tolerance➡SuppressZero➡Inches	Tolerance➡SuppressZero➡Inches	Tolerance➡SuppressZero➡Inches	Tolerance➡SuppressZero➡Inches	Tolerance➡SuppressZero➡Inches	Tolerance➡SuppressZero➡Inches	Specifies the suppression of a zero inch measurement in tolerance values.
ToleranceUpper➡Limit	ToleranceUpper➡Limit	ToleranceUpper➡Limit	ToleranceUpper➡Limit	ToleranceUpper➡Limit	ToleranceUpper➡Limit	Specifies the maximum tolerance limit for dimension text.
Toolbars	Toolbars	Toolbars	Toolbars	Toolbars	Toolbars	Gets the Toolbars collection.
		ToolPalettePath	ToolPalettePath	ToolPalettePath	ToolPalettePath	Sets the tool palette path.
Top	Top	Top	Top	Top	Top	Specifies the top edge of a toolbar.
TotalAngle	TotalAngle	TotalAngle	TotalAngle	TotalAngle	TotalAngle	Gets the total angle for the arc.
TranslateIDs	TranslateIDs	TranslateIDs	TranslateIDs	TranslateIDs	TranslateIDs	Specifies the translation of any contained object IDs during deepClone or wblockClone operations.
Transparency	Transparency	Transparency	Transparency	Transparency	Transparency	Specifies whether the transparency for a particular bitonal image is on or off.
			TrueColor	TrueColor	TrueColor	Specifies the True Color of an object.
TrueColorImages	TrueColorImages	TrueColorImages	TrueColorImages	TrueColorImages	TrueColorImages	Determines whether raster and render images are displayed at true color or palletized color.
TwistAngle	TwistAngle	TwistAngle	TwistAngle	TwistAngle	TwistAngle	Specifies the twist angle for the viewport.
Type	Type	Type	Type	Type	Type	Specifies type of a Leader, MenuGroup, PopupMenuItem, ToolbarItem, Polyline, or PolygonMesh object.
UCSIconAtOrigin	UCSIconAtOrigin	UCSIconAtOrigin	UCSIconAtOrigin	UCSIconAtOrigin	UCSIconAtOrigin	Specifies whether the UCS icon is displayed at the origin.
UCSIconOn	UCSIconOn	UCSIconOn	UCSIconOn	UCSIconOn	UCSIconOn	Specifies whether the UCS icon is on.
UCSPerViewport	UCSPerViewport	UCSPerViewport	UCSPerViewport	UCSPerViewport	UCSPerViewport	Specifies whether the UCS is saved with the viewport.
					Units	Specifies the native units of measure for the block.
UnitsFormat	UnitsFormat	UnitsFormat	UnitsFormat	UnitsFormat	UnitsFormat	Specifies the unit format for all dimensions except angular.
					UnitsType	Specifies the current display units type for the property.
UpperRightCorner	UpperRightCorner	UpperRightCorner	UpperRightCorner	UpperRightCorner	UpperRightCorner	Gets the upper-right corner of the current active viewport.
UpsideDown	UpsideDown	UpsideDown	UpsideDown	UpsideDown	UpsideDown	Specifies the direction of text.

2000	2000i	2002	2004	2005	2006	Description
URL	URL	URL	URL	URL	URL	Specifies the URL for the Hyperlink object.
URLDescription	URLDescription	URLDescription	URLDescription	URLDescription	URLDescription	Specifies the URL description for the Hyperlink object.
URLNamedLocation	URLNamedLocation	URLNamedLocation	URLNamedLocation	URLNamedLocation	URLNamedLocation	Specifies the named location for the Hyperlink object.
				Used	Used	Specifies whether a layer is in use.
UseLastPlot➥Settings	UseLastPlot➥Settings	UseLastPlot➥Settings	UseLastPlot➥Settings	UseLastPlot➥Settings	UseLastPlot➥Settings	Applies the plotting settings of the last successful plot.
User	User	User	User	User	User	Gets the PreferencesUser object.
UserCoordinate➥Systems	UserCoordinate➥Systems	UserCoordinate➥Systems	UserCoordinate➥Systems	UserCoordinate➥Systems	UserCoordinate➥Systems	Gets the UCSs collection for the document.
UseStandardScale	UseStandardScale	UseStandardScale	UseStandardScale	UseStandardScale	UseStandardScale	Specifies whether the plot is to use a standard or custom scale.
Utility	Utility	Utility	Utility	Utility	Utility	Gets the Utility object for the document.
Value	Value	Value	Value	Value	Value	The object ID of the newly created cloned object in the CopyObjects operation.
VBE	VBE	VBE	VBE	VBE	VBE	Gets the VBAIDE extensibility object.
Verify	Verify	Verify	Verify	Verify	Verify	Specifies whether the attribute or attribute reference is set for verification.
Version	Version	Version	Version	Version	Version	Gets the version of the AutoCAD application you are using.
			VersionGUID	VersionGUID	VersionGUID	Specifies the name of the Version GUID of an entry in the File Dependency List.
			VertCellMargin	VertCellMargin	VertCellMargin	Specifies the value of the vertical margin of cells.
VerticalAlignment	VerticalAlignment	VerticalAlignment	VerticalAlignment	VerticalAlignment		Specifies vertical alignment for the attribute, attribute reference, or text.
VerticalText➥Position	VerticalText➥Position	VerticalText➥Position	VerticalText➥Position	VerticalText➥Position	VerticalText➥Position	Specifies the vertical position of text in relation to the dimension line.
ViewportDefault	ViewportDefault	ViewportDefault	ViewportDefault	ViewportDefault	ViewportDefault	Specifies whether the layer is to be frozen in new viewports.
ViewportOn	ViewportOn	ViewportOn	ViewportOn	ViewportOn	ViewportOn	Specifies the display status of the viewport.
Viewports	Viewports	Viewports	Viewports	Viewports	Viewports	Gets the Viewports collection for the document.
Views	Views	Views	Views	Views	Views	Gets the Views collection for the document.
ViewToPlot	ViewToPlot	ViewToPlot	ViewToPlot	ViewToPlot	ViewToPlot	Specifies the name of the view to plot.
Visible	Visible	Visible	Visible	Visible	Visible	Specifies the visibility of an object or the application.

Continued

2000	2000i	2002	2004	2005	2006	Description
VisibilityEdge1	VisibilityEdge1	VisibilityEdge1	VisibilityEdge1	VisibilityEdge1	VisibilityEdge1	Specifies the visibility of a 3DFace edge 1.
VisibilityEdge2	VisibilityEdge2	VisibilityEdge2	VisibilityEdge2	VisibilityEdge2	VisibilityEdge2	Specifies the visibility of a 3DFace edge 2.
VisibilityEdge3	VisibilityEdge3	VisibilityEdge3	VisibilityEdge3	VisibilityEdge3	VisibilityEdge3	Specifies the visibility of a 3DFace edge 3.
VisibilityEdge4	VisibilityEdge4	VisibilityEdge4	VisibilityEdge4	VisibilityEdge4	VisibilityEdge4	Specifies the visibility of a 3DFace edge 4.
Volume	Volume	Volume	Volume	Volume	Volume	Gets the volume of the solid.
Weights	Weights	Weights	Weights	Weights	Weights	Gets the weight vector for spline.
Width	Width	Width	Width	Width	Width	Specifies the width of the text boundary, view, image, toolbar, or main application window.
				Width	Width	Specifies the width of the table.
WindowLeft	WindowLeft	WindowLeft	WindowLeft	WindowLeft	WindowLeft	Specifies the left edge of the application window.
WindowState	WindowState	WindowState	WindowState	WindowState	WindowState	Specifies the state of the application or document window.
WindowTitle	WindowTitle	WindowTitle	WindowTitle	WindowTitle	WindowTitle	Gets the title of the document window.
WindowTop	WindowTop	WindowTop	WindowTop	WindowTop	WindowTop	Specifies the top edge of the application window.
WorkspacePath	WorkspacePath	WorkspacePath	WorkspacePath	WorkspacePath	WorkspacePath	Specifies the path for the database workspace file.
					XEffective➡ ScaleFactor	Specifies the effective XScale factor of the block
XRefDatabase	XRefDatabase	XRefDatabase	XRefDatabase	XRefDatabase	XRefDatabase	Gets the Database object that defines the contents of the block.
XrefDemandLoad	XrefDemandLoad	XrefDemandLoad	XrefDemandLoad	XRefDemandLoad	XRefDemandLoad	Specifies demand loading of external references.
XRefEdit	XRefEdit	XRefEdit	XRefEdit	XRefEdit	XRefEdit	Determines whether the current drawing can be edited in place when being referenced by another user.
XRefFadeIntensity	XRefFadeIntensity	XRefFadeIntensity	XRefFadeIntensity	XRefFadeIntensity	XRefFadeIntensity	Controls the dimming intensity for XRefs.
XRefLayer➡ Visibility	XRefLayer➡ Visibility	XRefLayer➡ Visibility	XRefLayer➡ Visibility	XRefLayer➡ Visibility	XRefLayer➡ Visibility	Determines the visibility of xref-dependent layers and specifies whether nested xref path changes are saved.
XScaleFactor	XScaleFactor	XScaleFactor	XScaleFactor	XScaleFactor	XScaleFactor	Specifies the X scale factor for the block or XRef.
XVector	XVector	XVector	XVector	XVector	XVector	Specifies the X direction of the given UCS.
					YEffectiveScale➡ Factor	Specifies the effective YScale factor of the block.
YScaleFactor	YScaleFactor	YScaleFactor	YScaleFactor	YScaleFactor	YScaleFactor	Specifies the Y scale factor for the block or XRef.

2000	2000i	2002	2004	2005	2006	Description
YVector	YVector	YVector	YVector	YVector	YVector	Specifies the Y direction of the given UCS.
					ZEffectiveScale➡ Factor	Specifies the effective ZScale factor of the block.
ZScaleFactor	ZScaleFactor	ZScaleFactor	ZScaleFactor	ZScaleFactor	ZScaleFactor	Specifies the Z scale factor for the block or XRef.

Table D-3. *Events*

2000	2000	2002	2004	2005	2006	Description
Activate	Activate	Activate	Activate	Activate	Activate	Triggered when a document window is activated
AppActivate	AppActivate	AppActivate	AppActivate	AppActivate	AppActivate	Triggered just before the main application window is activated
AppDeactivate	AppDeactivate	AppDeactivate	AppDeactivate	AppDeactivate	AppDeactivate	Triggered just before the main application window is deactivated
ARXLoaded	ARXLoaded	ARXLoaded	ARXLoaded	ARXLoaded	ARXLoaded	Triggered when an ObjectARX application has been loaded
ARXUnloaded	ARXUnloaded	ARXUnloaded	ARXUnloaded	ARXUnloaded	ARXUnloaded	Triggered when an ObjectARX application has been unloaded
BeginClose	BeginClose	BeginClose	BeginClose	BeginClose	BeginClose	Triggered immediately after AutoCAD receives a request to close a drawing
BeginCommand	BeginCommand	BeginCommand	BeginCommand	BeginCommand	BeginCommand	Triggered immediately after a command is issued, but before it completes
				BeginDocClose	BeginDocClose	Triggered immediately after AutoCAD receives a request to close a drawing
BeginDoubleClick	BeginDoubleClick	BeginDoubleClick	BeginDoubleClick	BeginDoubleClick	BeginDoubleClick	Triggered after the user double-clicks an object in the drawing
BeginFileDrop	BeginFileDrop	BeginFileDrop	BeginFileDrop	BeginFileDrop	BeginFileDrop	Triggered when a file is dropped on the main application window
BeginLISP	BeginLISP	BeginLISP	BeginLISP	BeginLISP	BeginLISP	Triggered immediately after AutoCAD receives a request to evaluate a LISP expression
BeginModal	BeginModal	BeginModal	BeginModal	BeginModal	BeginModal	Triggered just before a modal dialog is displayed
BeginOpen	BeginOpen	BeginOpen	BeginOpen	BeginOpen	BeginOpen	Triggered immediately after AutoCAD receives a request to open an existing drawing
BeginPlot	BeginPlot	BeginPlot	BeginPlot	BeginPlot	BeginPlot	Triggered immediately after AutoCAD receives a request to print a drawing

2000	2000	2002	2004	2005	2006	Description
BeginQuit	BeginQuit	BeginQuit	BeginQuit	BeginQuit	BeginQuit	Triggered just before an AutoCAD session ends or a document closes
BeginRightClick	BeginRightClick	BeginRightClick	BeginRightClick	BeginRightClick	BeginRightClick	Triggered after the user right-clicks on the drawing window
BeginSave	BeginSave	BeginSave	BeginSave	BeginSave	BeginSave	Triggered immediately after AutoCAD receives a request to save the drawing
BeginShortcut➥MenuCommand	BeginShortcut➥MenuCommand	BeginShortcut➥MenuCommand	BeginShortcut➥MenuCommand	BeginShortcut➥MenuCommand	BeginShortcut➥MenuCommand	Triggered after the user right-clicks on the drawing window and before the shortcut menu appears in command mode
BeginShortcut➥MenuDefault	BeginShortcut➥MenuDefault	BeginShortcut➥MenuDefault	BeginShortcut➥MenuDefault	BeginShortcut➥MenuDefault	BeginShortcut➥MenuDefault	Triggered after the user right-clicks on the drawing window and before the shortcut menu appears in default mode
BeginShortcut➥MenuEdit	BeginShortcut➥MenuEdit	BeginShortcut➥MenuEdit	BeginShortcut➥MenuEdit	BeginShortcut➥MenuEdit	BeginShortcut➥MenuEdit	Triggered after the user right-clicks on the drawing window and before the shortcut menu appears in edit mode
BeginShortcut➥MenuGrip	BeginShortcut➥MenuGrip	BeginShortcut➥MenuGrip	BeginShortcut➥MenuGrip	BeginShortcut➥MenuGrip	BeginShortcut➥MenuGrip	Triggered after the user right-clicks on the drawing window and before the shortcut menu appears in grip mode
BeginShortcut➥MenuOsnap	BeginShortcut➥MenuOsnap	BeginShortcut➥MenuOsnap	BeginShortcut➥MenuOsnap	BeginShortcut➥MenuOSnap	BeginShortcut➥MenuOSnap	Triggered after the user right-clicks on the drawing window and before the shortcut menu appears in osnap mode
Deactivate	Deactivate	Deactivate	Deactivate	Deactivate	Deactivate	Triggered when the drawing window is deactivated
EndCommand	EndCommand	EndCommand	EndCommand	EndCommand	EndCommand	Triggered immediately after a command completes
EndLISP	EndLISP	EndLISP	EndLISP	EndLISP	EndLISP	Triggered upon completion of evaluating a LISP expression
EndModal	EndModal	EndModal	EndModal	EndModal	EndModal	Triggered just after a modal dialog is dismissed
EndOpen	EndOpen	EndOpen	EndOpen	EndOpen	EndOpen	Triggered immediately after AutoCAD finishes opening an existing drawing
EndPlot	EndPlot	EndPlot	EndPlot	EndPlot	EndPlot	Triggered after a document has been sent to the printer
EndSave	EndSave	EndSave	EndSave	EndSave	EndSave	Triggered when AutoCAD has finished saving the drawing
EndShortcutMenu	EndShortcutMenu	EndShortcutMenu	EndShortcutMenu	EndShortcutMenu	EndShortcutMenu	Triggered after the shortcut menu appears
LayoutSwitched	LayoutSwitched	LayoutSwitched	LayoutSwitched	LayoutSwitched	LayoutSwitched	Triggered after the user switches to a different layout
LISPCancelled	LISPCancelled	LISPCancelled	LISPCancelled	LISPCancelled	LISPCancelled	Triggered when the evaluation of a LISP expression is canceled

2000	2000	2002	2004	2005	2006	Description
Modified	Modified	Modified	Modified	Modified	Modified	Triggered when an object or collection in the drawing has been modified
NewDrawing	NewDrawing	NewDrawing	NewDrawing	NewDrawing	NewDrawing	Triggered just before a new drawing is created
ObjectAdded	ObjectAdded	ObjectAdded	ObjectAdded	ObjectAdded	ObjectAdded	Triggered when an object has been added to the drawing
ObjectErased	ObjectErased	ObjectErased	ObjectErased	ObjectErased	ObjectErased	Triggered when an object has been erased from the drawing
ObjectModified	ObjectModified	ObjectModified	ObjectModified	ObjectModified	ObjectModified	Triggered when an object in the drawing has been modified
SelectionChanged	SelectionChanged	SelectionChanged	SelectionChanged	SelectionChanged	SelectionChanged	Triggered when the current pickfirst selection set changes
SysVarChanged	SysVarChanged	SysVarChanged	SysVarChanged	SysVarChanged	SysVarChanged	Triggered when the value of a system variable is changed
WindowChanged	WindowChanged	WindowChanged	WindowChanged	WindowChanged	WindowChanged	Triggered when there is a change to the application or document windows
WindowMoved➡OrResized	WindowMoved➡OrResized	WindowMoved➡OrResized	WindowMoved➡OrResized	WindowMoved➡OrResized	WindowMoved➡OrResized	Triggered just after the application or drawing window has been moved or resized

Table D-4. *Objects*

2000	2000i	2002	2004	2005	2006	Description
3DFace	3DFace	3DFace	3DFace	3DFace	3DFace	A 3-D triangle or quadrilateral plane section
3DPoly	3DPolyline	3DPolyline	3DPolyline	3DPolyline	3DPolyline	A 3-D polyline of straight-line segments
3DSolid	3DSolid	3DSolid	3DSolid	3DSolid	3DSolid	A solid object with free-form surface support
AcadState	AcadState	AcadState	AcadState	AcadState	AcadState	A special object for use in monitoring the state of AutoCAD from out-of-process applications
		AcCmColor	AcCmColor	AcCmColor		AutoCAD True Color object
Application	Application	Application	Application	Application	Application	An instance of the AutoCAD application
Arc	Arc	Arc	Arc	Arc	Arc object	A circular arc
Attribute	Attribute	Attribute	Attribute	Attribute	Attribute	An object appearing as a text string that describes the characteristics of an attribute reference
AttributeRef	AttributeRef	AttributeReference	AttributeReference	AttributeReference	AttributeReference	An object containing text that links to a block

Continued

2000	2000i	2002	2004	2005	2006	Description
Block	Block	Block	Block	Block	Block	A block definition containing a name and a set of objects
BlockRef	BlockRef	BlockRef	BlockRef	BlockRef	BlockRef	An instance of a block definition inserted into a drawing
Blocks	Blocks	Blocks	Blocks	Blocks	Blocks	The collection of all blocks in the drawing
Circle	Circle	Circle	Circle	Circle	Circle	A full circle
Database	Database	Database	Database	Database	Database	The contents of an XRef block
Database➥ Preferences	Database➥ Preferences	Database➥ Preferences	Database➥ Preferences	Database➥ Preferences	Database➥ Preferences	This object specifies the current AutoCAD drawing–specific settings
Dictionaries	Dictionaries	Dictionaries	Dictionaries	Dictionaries	Dictionaries	The collection of all dictionaries in the drawing
Dictionary	Dictionary	Dictionary	Dictionary	Dictionary	Dictionary	A container object for storing and retrieving objects
Dim3PointAngular	Dim3PointAngular	Dim3PointAngular	Dim3PointAngular	Dim3PointAngular	Dim3PointAngular	A dimension measuring the angular distance between three points
DimAligned	DimAligned	DimAligned	DimAligned	DimAligned	DimAligned	A linear dimension, measuring the distance between two points, that is displayed parallel to the points being measured
DimAngular	DimAngular	DimAngular	DimAngular	DimAngular	DimAngular	A dimension measuring the angular distance between two lines or between the angle of a circular arc
					DimArcLength	A dimension measuring the length of an arc
DimDiametric	DimDiametric	DimDiametric	DimDiametric	DimDiametric	DimDiametric	A dimension measuring the diameter of a circle or arc
DimOrdinate	DimOrdinate	DimOrdinate	DimOrdinate	DimOrdinate	DimOrdinate	A dimension measuring the absolute X or Y position of a point from the origin
DimRadial	DimRadial	DimRadial	DimRadial	DimRadial	DimRadial	A dimension measuring the radius of a circle or arc
					DimRadialLarge	A dimension measuring a large radius, also known as a *jogged radius dimensio*
DimRotated	DimRotated	DimRotated	DimRotated	DimRotated	DimRotated	A dimension that measures the distance between two points and is displayed at a given rotation
DimStyle	DimStyle	DimStyle	DimStyle	DimStyle	DimStyle	A group of dimension settings that determines the appearance of a dimension
DimStyles	DimStyles	DimStyles	DimStyles	DimStyles	DimStyles	The collection of all dimension styles in the drawing

2000	2000i	2002	2004	2005	2006	Description
Document	Document	Document	Document	Document	Document	An AutoCAD drawing
Documents	Documents	Documents	Documents	Documents	Documents	The collection of all AutoCAD drawings open in the current session
					DynamicBlock➥ReferenceProperty	An object containing the properties of a dynamic bloc
Ellipse	Ellipse	Ellipse	Ellipse	Ellipse	Ellipse	An elliptical arc or full ellipse
ExternalReference	ExternalReference	ExternalReference	ExternalReference	ExternalReference	ExternalReference	An instance of an external reference inserted into a drawing
			FileDependency	FileDependency	FileDependency	Provides information about entries in the File Dependency List of a drawing file
			FileDependencies	FileDependencies	FileDependencies	Creates, updates, retrieves, and removes items in the File Dependency List
Group	Group	Group	Group	Group	Group	A named SelectionSet object
Groups	Groups	Groups	Groups	Groups	Groups	The collection of all groups in the drawing
Hatch	Hatch	Hatch	Hatch	Hatch	Hatch	An area fill consisting of a pattern of lines
Hyperlink	Hyperlink	Hyperlink	Hyperlink	Hyperlink	Hyperlink	A URL and URL description
Hyperlinks	Hyperlinks	Hyperlinks	Hyperlinks	Hyperlinks	Hyperlinks	The collection of all hyperlinks for a given entity
IDPair	IDPair	IDPair	IDPair	IDPair	IDPair	A special object for use with the CopyObjects method that contains the object IDs of both the source and destination objects
Layer	Layer	Layer	Layer	Layer	Layer	A logical grouping of data, similar to transparent acetate overlays on a drawing
Layers	Layers	Layers	Layers	Layers	Layers	The collection of all layers in the drawing
	LayerStateManager	LayerStateManager	LayerStateManager	LayerStateManager	LayerStateManager	Saves and restores layer settings using the Layer Properties Manager
Layout	Layout	Layout	Layout	Layout	Layout	The plot settings and visual properties of a model space or paper space block
Layouts	Layouts	Layouts	Layouts	Layouts	Layouts	The collection of all layouts in the drawing
Leader	Leader	Leader	Leader	Leader	Leader	An object composed of an arrowhead attached to splines or straight-line segments
Lightweight➥Polyline	Lightweight➥Polyline	Lightweight➥Polyline	Lightweight➥Polyline	Lightweight➥Polyline	Lightweight➥Polyline	A 2-D line with adjustable width composed of line and arc segments
Line	Line	Line	Line	Line	Line	A single line segment
Linetype	Linetype	Linetype	Linetype	Linetype	Linetype	The line characteristics consisting of combinations of dashes, dots, and spaces

Continued

2000	2000i	2002	2004	2005	2006	Description
Linetypes	Linetypes	Linetypes	Linetypes	Linetypes	Linetypes	The collection of all linetypes in the drawing
MenuBar	MenuBar	MenuBar	MenuBar	MenuBar	MenuBar	A collection of PopupMenu objects representing the current AutoCAD menu bar
MenuGroup	MenuGroup	MenuGroup	MenuGroup	MenuGroup	MenuGroup	An AutoCAD menu group
MenuGroups	MenuGroups	MenuGroups	MenuGroups	MenuGroups	MenuGroups	A collection of MenuGroup objects representing all the menu groups loaded in the current AutoCAD session
MInsertBlock	MInsertBlock	MInsertBlock	MInsertBlock	MInsertBlock	MInsertBlock	A rectangular array of block references
MLine	MLine	MLine	MLine	MLine	MLine	Multiple parallel lines
ModelSpace	ModelSpace	ModelSpace	ModelSpace	ModelSpace	ModelSpace	A special Block object containing all model space entities
MText	MText	MText	MText	MText	MText	A paragraph of alphanumeric characters that fits within a nonprinting text boundary
PaperSpace	PaperSpace	PaperSpace	PaperSpace	PaperSpace	PaperSpace	A special Block object containing all the entities in the active paper space layout
Plot	Plot	Plot	Plot	Plot	Plot	The set of methods and properties used for plotting layouts
PlotConfiguration	PlotConfiguration	PlotConfiguration	PlotConfiguration	PlotConfiguration	PlotConfiguration	A named collection of plot settings
PlotConfigurations	PlotConfigurations	PlotConfigurations	PlotConfigurations	PlotConfigurations	PlotConfigurations	A collection of named plot settings
Point	Point	Point	Point	Point	Point	A point marker appearing as a dot, square, circle, X, tick, or plus sign (+)—or as a combination of these
PolyfaceMesh	PolyfaceMesh	PolyfaceMesh	PolyfaceMesh	PolyfaceMesh	PolyfaceMesh	A 3-D polyface mesh
PolygonMesh	PolygonMesh	PolygonMesh	PolygonMesh	PolygonMesh	PolygonMesh	A free-form 3-D mesh
Polyline	Polyline	Polyline	Polyline	Polyline	Polyline	A 2-D line of adjustable width or a 3-D line or mesh of nonadjustable width composed of line and arc segments
PopupMenu	PopupMenu	PopupMenu	PopupMenu	PopupMenu	PopupMenu	An AutoCAD cascading menu
PopupMenuItem	PopupMenuItem	PopupMenuItem	PopupMenuItem	PopupMenuItem	PopupMenuItem	A single menu item on an AutoCAD pull-down menu
PopupMenus	PopupMenus	PopupMenus	PopupMenus	PopupMenus	PopupMenus	A collection of PopupMenu objects representing all the pop-up menus loaded in the MenuGroup
Preferences	Preferences	Preferences	Preferences	Preferences	Preferences	This object specifies the current AutoCAD settings

2000	2000i	2002	2004	2005	2006	Description
PreferencesDisplay	PreferencesDisplay	PreferencesDisplay	PreferencesDisplay	PreferencesDisplay	PreferencesDisplay	This object contains the options from the Display tab on the Options dialog
Preferences➡Drafting	Preferences➡Drafting	Preferences➡Drafting	Preferences➡Drafting	Preferences➡Drafting	Preferences➡Drafting	This object contains the options from the Drafting tab on the Options dialog
PreferencesFiles	PreferencesFiles	PreferencesFiles	PreferencesFiles	PreferencesFiles	PreferencesFiles	This object contains the options from the Files tab on the Options dialog
Preferences➡OpenSave	Preferences➡OpenSave	Preferences➡OpenSave	Preferences➡OpenSave	Preferences➡OpenSave	Preferences➡OpenSave	This object contains the options from the Open and Save tab on the Options dialog
Preferences➡Output	Preferences➡Output	Preferences➡Output	Preferences➡Output	Preferences➡Output	Preferences➡Output	This object contains the options from the Output tab on the Options dialog
Preferences➡Profiles	Preferences➡Profiles	Preferences➡Profiles	Preferences➡Profiles	Preferences➡Profiles	Preferences➡Profiles	This object contains the options from the Profiles tab on the Options dialog
Preferences➡Selection	Preferences➡Selection	Preferences➡Selection	Preferences➡Selection	Preferences➡Selection	Preferences➡Selection	This object contains the options from the Selection tab on the Options dialog
PreferencesSystem	PreferencesSystem	PreferencesSystem	PreferencesSystem	PreferencesSystem	PreferencesSystem	This object contains the options from the System tab on the Options dialog
PreferencesUser	PreferencesUser	PreferencesUser	PreferencesUser	PreferencesUser	PreferencesUser	This object contains the options from the User tab on the Options dialog
PViewport	PViewport	PViewport	PViewport	PViewport	PViewport	Rectangular objects created in paper space that display views
Raster	Raster	Raster	Raster	Raster	Raster	A raster image consisting of a rectangular grid (or raster) of small squares or dots known as *pixels*
Ray	Ray	Ray	Ray	Ray	Ray	A semi-infinite line
Region	Region	Region	Region	Region	Region	A bounded planar face consisting of lines, circles, arcs, elliptical arcs, and spline curves
Registered➡Application	Registered➡Application	Registered➡Application	Registered➡Application	Registered➡App	Registered➡Application	An external application that has been added to the drawing
Registered➡Applications	Registered➡Applications	Registered➡Applications	Registered➡Applications	Registered➡Applications	Registered➡Applications	The collection of all registered applications in the drawing
			SecurityParams	SecurityParams	SecurityParams	Supplies information necessary for performing security operations on drawing files
SelectionSet	SelectionSet	SelectionSet	SelectionSet	SelectionSet	SelectionSet	A group of one or more AutoCAD objects specified for processing as a single unit
SelectionSets	SelectionSets	SelectionSets	SelectionSets	SelectionSets	SelectionSets	The collection of all selection sets in the drawing

Continued

2000	2000i	2002	2004	2005	2006	Description
Shape	Shape	Shape	Shape	Shape	Shape	An object comprising lines, arcs, and circles defined in an SHX file
Solid	Solid	Solid	Solid	Solid	Solid	A solid-filled polygon
				SortentsTable	SortEntsTable	Contains and manipulates draw order information
Spline	Spline	Spline	Spline	Spline	Spline	A quadratic or cubic NURBS (nonuniform rational B-spline) curve
				SummaryInfo	SummaryInfo	Accesses drawing properties such as the Title, Subject, Author, and Keywords properties
				Table	Table	AutoCAD table object
				TableStyle	TableStyle	Adds, modifies, and deletes table styles
Text	Text	Text	Text	Text	Text	A single line of alphanumeric characters
TextStyle	TextStyle	TextStyle	TextStyle	TextStyle	TextStyle	A named, saved collection of settings that determines the appearance of text characters
TextStyles	TextStyles	TextStyles	TextStyles	TextStyles	TextStyles	The collection of all text styles in the drawing
Tolerance	Tolerance	Tolerance	Tolerance	Tolerance	Tolerance	A geometric tolerance contained in a feature control frame
Toolbar	Toolbar	Toolbar	Toolbar	Toolbar	Toolbar	An AutoCAD toolbar
ToolbarItem	ToolbarItem	ToolbarItem	ToolbarItem	ToolbarItem	ToolbarItem	A single button item on an AutoCAD toolbar
Toolbars	Toolbars	Toolbars	Toolbars	Toolbars	Toolbars	A collection of Toolbar objects representing all the toolbars loaded in the current AutoCAD session
Trace	Trace	Trace	Trace	Trace	Trace	A 2-D solid line of specified width
UCS	UCS	UCS	UCS	UCS	UCS	A user-defined coordinate system that determines the orientation of the X-, Y-, and Z-axes in 3-D space
UCSs	UCSs	UCSs	UCSs	UCSs	UCSs	The collection of all user coordinate systems (UCSs) in the drawing
Utility	Utility	Utility	Utility	Utility	Utility	A series of methods provided for utility purposes
View	View	View	View	View	View	A graphical representation of a 2-D drawing or 3-D model from a specific location (viewpoint) in space
Views	Views	Views	Views	Viewport	Viewport	The collection of all views in the drawing

2000	2000i	2002	2004	2005	2006	Description
Viewport	Viewport	Viewport	Viewport	Viewports	Viewports	A bounded area that displays some portion of a drawing's model space
Viewports	Viewports	Viewports	Viewports	Views	Views	The collection of all viewports in the drawing
XLine	XLine	XLine	XLine	XLine	XLine	A construction line that is infinite in both directions
		XmlDatabase				An application-level object that supports the Xmlin and Xmlout filler methods
XRecord	XRecord	XRecord	XRecord	XRecord	XRecord	XRecord objects are used to store and manage arbitrary data