

Environment Variables R12 – R2005 (AutoCAD LT 98 – 2002)

AutoCAD Environment Variables is where AutoCAD does some of the storing of persistent values from session to session. These values are related to commands and preferences that are used in the AutoCAD Environment. Some of these values are drawing parameters for such commands like Plot and user settings that are normally updated through Preferences.

Commands (LT Only)

SETENV - Sets the value of a Environment Variable, *value* is always a string.

GETENV - Gets the value of a Environment Variable

AutoLISP Functions

(**setenv** *variable value*) - Sets the value of a Environment Variable, *value* is always a string.

(**getenv** *variable*) - Gets the value of a Environment Variable

Variable	Default Value	Command(s) affected	Description
ACAD R12 – 2005	“C:\\PROGRAM FILES\\AUTOCAD 2005\\support;C:\\P...”	PREFERENCES	Stores the available search paths for the current AutoCAD session. All the paths are valid for use. These are the same directories that show up under the Working Support File Search Path section under Preferences. See also the System Variable ACADPREFIX. Note: When adding more than one support path you must separate them by a semi-colon. Since in AutoLISP a single back slash is represented by a PAUSE you will need to use double back slashes or a single forward slash to represent drives and folders contained in the paths. Examples: “C:\my app” – Bad path format “C:\\my app” – Good path format “C:/my app” – Good path format
ACADALTMENU R12 – 13	nil or “”	PREFERENCES	Specifies path and name of an alternate menu for the Change Template option on the AutoCAD Tablet menu.

Notes:

Variable	Default Value	Command(s) affected	Description
ACADCFG R12 – 2005 LT: R98	" C:\\Documents and Settings\\<UserName>\\Local Settings\\Application Data\\Autodesk\\AutoCAD 2005\\R16.1\\enu"	PREFERENCES	Specifies the location of the AutoCAD Configuration file.
ACADCFGW		PREFERENCES	Specifies the location of the configuration file for the Windows version of AutoCAD.
AcadClassic R13 – 2005 LT: R98 - 2002	"0"	PREFERENCES	Enables AutoCAD Windows accelerator keys. 0 – Enables R13 and new settings (Ctrl+C = CopyClip) 1 – Enables classic R12 and prior settings (Ctrl+C = Cancel)
ACADDISPLAY		PREFERENCES	Specifies the display driver.
ACADDRV R12 – 2005	" C:\\Program Files\\AutoCAD 2005\\drv"	PREFERENCES	Specifies the location(s) in which AutoCAD will go to retrieve any driver information that is needed.
ACADFREEMEM Pre 12	"14"	PREFERENCES	Specifies the amount of working storage area in memory for AutoCAD.
ACADHELP R12 – 2005 LT: R98	" C:\\Program Files\\AutoCAD 2005\\help\\acad161.chm"	PREFERENCES	Specifies the location and the name of the AutoCAD help file to use when Help is called.
ACADLOGFILE R12 – 2005 LT: R98	" C:\\Documents and Settings\\<UserName>\\Local Settings\\Application Data\\Autodesk\\AutoCAD 2005\\R16.1\\enu\\acad.log"	PREFERENCES	Specifies the location and the name of the log file that AutoCAD generates if the option is enabled.

Notes:

Variable	Default Value	Command(s) affected	Description
ACADLspAsDoc R2000 – 2005	“0”	PREFERENCES	Specifies whether or not AutoCAD loads the acad.lsp with the first drawing or with every drawing. See also the System Variable ACADLSPASDOC. 0 – AutoLISP file ACAD.LSP is only loaded with the first drawing 1 – AutoLISP file ACAD.LSP is loaded with every drawing
ACADMAXMEM R12 – 13	“4000000”	PREFERENCES	Specifies the maximum amount of memory in bytes that is requested from the operating system
ACADMAXPAGE R12 – 13	nil or “”	PREFERENCES	Specifies the maximum number of bytes to be sent to the first page of the file.
ACADPAGEDIR R12 – 13	“C:\\ACADR12”	PREFERENCES	Specifies the directory that AutoCAD places the page files.
ACADPLCMD R12 – 13	nil or “”	PREFERENCES	Specifies the shell command to execute on completion of a plot-to-file. The command commonly is set up to queue the plot to a plotter.
ACADRESFILE		PREFERENCES	Specifies a different AutoCAD Display Resources file than the one in your home directory .Xdefaults file.
ACADSERVER R13 – 2005	“@net_acad”	PREFERENCES	This variable must be set to the name of the Server in which AutoCAD resides on for AutoCAD to work.
ACADXMEN Pre 12	“1664,256”	PREFERENCES	Specifies the amount of extended memory that is installed on the machine that other applications might be using. Value is expressed with the starting address of 1664 Kb and the size at 256 Kb.
AlarmOnError R14 – 2005 LT: R98 - 2002	“0”	PREFERENCES	Enables a beep from the PC speaker if an input error occurs. 0 – Off 1 – On

Notes:

Variable	Default Value	Command(s) affected	Description
AlternativePageSetUpsTemplate R2005	"C:\\Documents and Settings\\<UserName>\\Local Settings\\Application Data\\Autodesk\\AutoCAD 2005\\R16.1\\enu\\Template\\SheetSets\\Architectural\\Imperial.dwt"	PREFERENCES and SHEETSET	Default template that stores Page Setup Overrides that can be applied for Publishing from Sheet Set Manager.
ANSIHatch R14 – 2005 LT: R98 - 2002	"acad.pat"	BHATCH and HATCH	Default hatch pattern file loaded.
ANSILinetype R14 – 2005 LT: R98 - 2002	"acad.lin"	LINETYPE or LTYPE	Default line type pattern file loaded.
Anyport R2000 – 2005 LT: R2000 - 2002	"0"		Unknown functionality
ARXDemandLoad R14 – 2005 LT: R2000 - 2002	"3"	PREFERENCES	Controls how ObjectARX programs are loaded for use in AutoCAD. See also the System Variable DEMANDLOAD. 0 – Disable load on demand 1 – Custom object detect 2 – Command invoke 3 – Object detect and command invoke
Attdia R2000 – 2005 LT: R2000 - 2002	"0"	INSERT	Enables whether or not the Attributes dialog box is displayed when prompting for values upon inserting a block that has attributes in it. See also the System Variable ATTDIA. 0 – Prompts are in the command line area 1 – Attribute box is displayed

Notes:

Variable	Default Value	Command(s) affected	Description
Attreq R2000 – 2005 LT: R2000 - 2002	”1”	INSERT	Enables whether or not inserting a block will generate prompting for the block or assume the default values for the Attributes. See also the System Variable ATTREQ. 0 – Assumes the default values for all attributes when inserting a block 1 – Prompts for attribute values
AutomaticPlotLog R2005	”1”	PREFERENCES PLOT and PUBLISH	Controls whether a log file is created when plotting. 0 – No plot file is maintained 1 – Plot file is maintained
AutomaticSaveMinutes R14 – 2005 LT: R98 - 2002	”10”	PREFERENCES	Controls the amount of time between AutoSave procedures. Note: Value of 0 (Zero) disables the feature.
AutoSnapColor R14 – 2005 LT: R98 - 2002	”2”	PREFERENCES	Color used for the AutoSnap Makers that appear when over a set Object Snap. 1 – Red 2 – Yellow 3 – Green 4 – Cyan 5 – Blue 6 – Magenta 7 – White (or invert of background color)
AutoSnapControl R14 – 2005 LT: R98 - 2002	”55”	PREFERENCES	Controls the behavior of the AutoSnap, Object Snap and Polar Tracking features. 0 – Marker, Magnet, ToolTips for AutoTrack, Object Snap and Polar Tracking are disabled. 1 – Marker is enabled 2 – Display AutoSnap ToolTips 4 – Magnet is enabled 8 – Enables Polar Tracking 16 – Enables Object Snaps 32 – Enables AutoTrack ToolTips

Notes:

Variable	Default Value	Command(s) affected	Description
AutoSnapPolarAddAng R2000 – 2005 LT: R2000 - 2002	nil or ""	PREFERENCES	Additional angles that are used when Polar Snap is On. See also the System Variable POLARADDANG. Note: When adding more than one angle to use you must separate them by a semi-colon. Also the angles must be expressed in radians and not degrees. Example of listing several angles together: "0.26179938779914941; 0.52359877559829882; 0.78539816339744828; 1.0471975511965976; 1.3089969389957472"
AutoSnapPolarAng R2000 – 2005 LT: R2000 - 2002	"1.5707963267948966"	PREFERENCES	The default angle that is used when Polar Snap is On. See also the System Variable POLARANG. Note: The angle must be expressed in radians and not degrees.
AutoSnapPolarDistance R2000 – 2005 LT: R2000 - 2002	"0"	PREFERENCES	The increment of distance that that crosshairs will attempt to snap to when Polar Snap is On. See also the System Variable POLARDIST.

Notes:

Variable	Default Value	Command(s) affected	Description
AutoSnapPolarMode R2000 – 2005 LT: R2000 - 2002	“0”	PREFERENCES	<p>Controls the settings for the polar and object snap tracking features. See also the System Variable POLARMODE.</p> <p>Method of polar angle measurements to use 0 – Polar angles are measured based on current UCS (absolute) 1 – Polar angles are measured from selected objects (relative)</p> <p>Enable object snap tracking 0 – Tracking is only allowed orthogonally 2 – Polar tracking is allowed in object snap tracking</p> <p>Enable the use of the defined additional polar tracking angles 0 – No 4 – Yes</p> <p>Method of acquire object snap tracking points 0 – Automatically acquire point 8 – SHIFT key must be pressed to acquire points</p>
AutoSnapShowAperture R14 – 2005 LT: R98 - 2002	“1”	PREFERENCES	<p>Enables the object snap aperture box. See also the System Variable APBOX.</p> <p>0 – Off 1 – On</p>
AutoSnapSize R14 – 2005 LT: R98 - 2002	“5”	PREFERENCES	<p>Controls the size of the object snap maker</p> <p>Range: 1 – 20</p>
AutoSnapTrackPath R2000 – 2005 LT: R2000 - 2002	“0”	PREFERENCES	<p>Enables the displaying of full screen tracking vector for Polar Snap.</p> <p>0 – Enables both full screen tracking vector, and polar tracking vector. 1 – Enables polar tracking vector. 2 – Enables full screen tracking vector. 3 – Disables all options of AutoTrack, full screen tracking vector, and polar tracking vector.</p>

Notes:

Variable	Default Value	Command(s) affected	Description
Autotracking vector R2000 – 2005 LT: R2000 - 2002	"8421504"	PREFERENCES	Color used for the projection lines when Polar Snap is turned on as well as Tracking. Must be used like "Autotracking vector" for AutoCAD LT.
AVECFG R12 – 13	"c:\acadr12"	PREFERENCES	Specifies the location that the Rendering configuration files should be stored.
AVEFACEDIR R12 – 13	"c:\acadr12"	PREFERENCES and RENDER	Specifies the location and name of the Renderer's temporary files.
AVEMAPS R13 – 2005 LT: R2000 - 2002	" C:\Documents and Settings\<UserName>\Local Settings\Application Data\Autodesk\AutoCAD 2005\R16.1\enu\textures "	PREFERENCES and RENDER	Specifies the location for the textures and render maps that are used for the Render command.
AVEPAGEDIR R12 – 13	"C:\ACADR12"	PREFERENCES and RENDER	Specifies the location and the name of the Renderer's RAM page files.
AVERDFILE R12 – 13	nil or ""	PREFERENCES	Specifies the location of the .RND hard copy files are stored.
Background R14 – 2005 LT: R98 - 2002	"0"	PREFERENCES	Background color of the drawing screen.
BackgroundPlot R2005	"2"	PREFERENCES PLOT and PUBLISH	<p>Allows Plotting and Publishing of drawings to happen as a background process allowing you to continue to work without waiting for your plots. Commands -Plot, Plot, -Publish and Publish are performed in the foreground when in scripts.</p> <p>0 – Use foreground plotting with Plot and Publish which is the legacy behavior of AutoCAD 2004 and prior. 1 – Use background plotting with the Plot command and not Publish. 2 – Use background plotting with the Publish command and not Plot. 3 – Use background plotting for both Plot and Publish commands.</p>

Notes:

Variable	Default Value	Command(s) affected	Description
Blipmode R2000 – 2005 LT: R2000 - 2002	"0"	PREFERENCES and commands that interact with the editor	Enables the use of Blips when working with most commands with in AutoCAD. See also the System Variable BLIPMODE. 0 – Off 1 – On
BmpOutCompression R13 – 2005 LT: R98 - 2002	"1"		Unknown functionality
BNS_MenuLoad R14	"1"		Specifies if the Bonus or Express Tools are loaded into AutoCAD. 0 or nil – Menu not loaded 1 – Menu is loaded
CmdHistLines R13 – 2005	"400"		Controls the about of lines that are kept in the buffer for the Text Window. Note: Valid range 25 – 2048
CmdLine R2000 – 2002 LT: R2000 - 2002	"Win"		Unknown functionality believed to deal with the Command Line Window.
CmdLine.BackColor R14 – 2005 LT: R98 - 2002	"16777215"	PREFERENCES	Command Line Background Color.
CmdLine.FontFace R14 – 2005 LT: R98 - 2002	"Courier"	PREFERENCES	Command Line Font Style
CmdLine.FontHeight R14 – 2005 LT: R98 - 2002	"10"	PREFERENCES	Command Line Font Height
CmdLine.FontItalic R14 – 2005 LT: R98 - 2002	"0"	PREFERENCES	Enables the whether or not that the Command Line Font is Italic. 0 – Not Italicized 1 – Italicized

Notes:

Variable	Default Value	Command(s) affected	Description
CmdLine.FontPitchAndFamily R2000 – 2005 LT: R98 - 2002	“-21”	PREFERENCES	Unknown functionality
CmdLine.FontWeight R14 – 2005 LT: R98 - 2002	“400”	PREFERENCES	Unknown functionality
CmdLine.ForeColor R14 – 2005 LT: R98 - 2002	“0”	PREFERENCES	Command Line Foreground Color.
CmdVisLines R14 – 2005 LT: R98 - 2002	“3”		Controls the number of rows that are visible in the command line. Prior to 2004 using setenv would change the number of lines visible, but now with 2004 it will only get the current number visible. Note: Valid Range 1 – ? (Based on screen size)
CreateViewports R2000 – 2005 LT: R2000 - 2002	“1”	PREFERENCES and PAGESETUP	Enables the auto creation of a Viewport when activating a layout that has not been opened or worked with yet. 0 – Viewport is not created 1 – Viewport is automatically created
ColorBookLocation R2004 – 2005	“C:\\Program Files\\ AutoCAD 2005\\ support\\color”	COLOR	Contains the search path that is used by the Color dialog box and AutoCAD for Color Books.

Notes:

Variable	Default Value	Command(s) affected	Description
ContextMenus R2000 – 2005 LT: R2000 - 2002	“1”	PREFERENCES	<p>Controls how right mouse clicking affects Shortcut Context Menu pop-ups. See also the System Variable SHORTCUTMENU.</p> <p>0 – Disables all Default, Edit, and Command mode shortcut menus. This restores the legacy behavior from R14. 1 – Enables Default mode shortcut menus. 2 – Enables Edit mode shortcut menus. 4 – Enables Command mode shortcut menus, is active only when a command is currently active. 8 – Enables Command mode shortcut menus, is active only when command options are displayed in the command line area. 16 – Enables the Right click delay functionality (AutoCAD 2004 & up)</p>
ContinuousPlotLog R2005	“1”	PREFERENCES PLOT and PUBLISH	<p>Controls whether or not Plot and Publish keep appending to a single log file each time the commands are run.</p> <p>0 – One log file is maintained per plot 1 – One continuous log file is maintained</p>
Coords R2000 – 2005 LT: R2000 - 2002	“1”	COORDS and all drawing commands	<p>Enables the Coordinate display in the Status bar area of AutoCAD. See also the System Variable COORDS.</p> <p>0 – Coordinate display is updated as you pick points with the mouse or pointing device. 1 – Display is updated continuously with the absolute value. 2 – Display is updated continuously with the absolute value and distance + angle is displayed from the last point when being requested for angle or distance.</p>
CursorSize R14 – 2005 LT: R98 - 2002	“5”	PREFERENCES	<p>Crosshair size with the AutoCAD drawing window. See also the System Variable CURSORSIZE.</p> <p>Note: Valid Range 1 – 100</p>

Notes:

Variable	Default Value	Command(s) affected	Description
CustomColors R13 – 2005 LT: R98 - 2002	“0”		Unknown Functionality
CustomDictionary R14 – 2005 LT: R98 - 2002	"C:\\Documents and Settings\\<UserName>\\Application Data\\Autodesk\\AutoCAD 2005\\R16.1\\enu\\support\\sample.cus"	PREFERENCES and SPELLING	Contains the path of the custom dictionary that should be used in conjunction with the standard dictionary. See also the System Variable DSTCUST.
DatabaseTablesOpenMode R2000 – 2005 LT: R2000 - 2002	“0”	PREFERENCES and DBCONNECT	Controls how databases are open up in dbConnect. 0 – Read and Write mode 1 – Read only
DatabaseWorkSpacePath R2000 – 2005 LT: R2000 - 2002	"C:\\Documents and Settings\\<UserName>\\Application Data\\Autodesk\\AutoCAD 2005\\R16.1\\enu\\Data Links"	PREFERENCES and DBCONNECT	Specifies the location that the Microsoft Data Link (or UDL) files reside in.
DefaultConfig R2000 – 2005 LT: R2000 - 2002	“HP LaserJet 4”	PREFERENCES and PLOT	Default printer configuration name to be used when creating a new drawing. This will not override settings saved in a template or drawing. See also the System Variable PLOTID.
DefaultFormatForSave R2000 – 2005 LT: R2000 - 2002	“24”	PREFERENCES and SAVEAS	Default format that is used when saving a drawing file. 26 – AutoCAD 2004 Drawing Template 25 – AutoCAD 2004 DXF 24 – AutoCAD 2004 DWG 14 – AutoCAD 2000 Drawing Template 13 – AutoCAD 2000 DXF 12 – AutoCAD 2000 DWG 9 – AutoCAD R14 DXF 8 – AutoCAD R14 DWG 5 – AutoCAD R13 DXF 4 – AutoCAD R13 DWG 1 – AutoCAD R12 DXF

Notes:

Variable	Default Value	Command(s) affected	Description
DefaultLayerZeroPlotStyle R2000 – 2005 LT: R2000 - 2002	“ByColor”	PREFERENCES and PLOT	Specifies the default behavior of layer 0 (Zero) in the drawing when it is plotted. See also the System Variable DEFLPLSTYLE. Value(s) for when using Color dependent plot styles: “ByColor” Values for when using Named plot styles: “Normal” <Other Named Styles will be listed here>
DefaultLoginName R14 - 2005 LT: R98	nil or “”	PREFERENCES	Controls the default name used for the Login Name within AutoCAD, if not provided by Windows.
DefaultPlotStyle R2000 – 2005 LT: R2000 - 2002	“ByColor”	PREFERENCES and PLOT	Specifies the default behavior for all objects contained within the drawing when it is plotted. See also the System Variable DEFPLSTYLE. Value(s) for when using Color dependent plot styles: “ByColor” Values for when using Named plot styles: “ByLayer” “ByBlock” “Normal” <Other Named Styles will be listed here>
Delobj R2000 – 2005 LT: R2000 - 2002	“1”	Modify commands	Enables the controlling of whether objects used to create other objects are retained or deleted from the drawing database. See also the System Variable DELOBJ. 0 – Objects retained 1 – Objects deleted

Notes:

Variable	Default Value	Command(s) affected	Description
Dragmode R2000 – 2005 LT: R2000 - 2002	"2"	Modify commands	Controls the display of objects being dragged on screen. See also the System Variable DRAGMODE. 0 – Off, no outline is shown 1 – On, outline is only shown if you type drag after selecting objects 2 – Auto, an outline is always shown
DRIVER LT: R2000 - 2002	"C:\PROGRAM FILES\AUTOCAD LT 2000\drv"	PREFERENCES	Specifies the location(s) in which AutoCAD LT will go to retrieve any driver information that is needed.
EmergencyFont R14 – 2005 LT: R98 - 2002	"simplex.shx"	PREFERENCES, TEXT and MTEXT	This contains the font name that is used for substitution when the font that was originally used isn't found. This Environment Variable is also referred to as the FontAlt or Alternative Font. See also the System Variable FONTALT.
FontFace R14 – 2005 LT: R98 - 2002	"MS Sans Serif"	PREFERENCES	Screen Menu Font Style
FontHeight R14 – 2005 LT: R98 - 2002	"8"	PREFERENCES	Screen Menu Font Height
FontItalic R14 – 2005 LT: R98 - 2002	"0"	PREFERENCES	Enables the whether or not that the Screen Menu Font is Italic. 0 – Not Italicized 1 – Italicized
FontMappingFile R14 – 2005 LT: R98 - 2002	"C:\\Documents and Settings\\<UserName>\\Application Data\\Autodesk\\AutoCAD 2005\\R16.1\\enu\\support\\acad.fmp"	PREFERENCES, TEXT and MTEXT	Specifies the font-mapping file used when font specified in a drawing file is not found. See also the System Variable FONTMAP.
FontPitchAndFamily R2000 – 2005 LT: R98 - 2002	"0"	PREFERENCES	Unknown functionality

Notes:

Variable	Default Value	Command(s) affected	Description
FontWeight R14 – 2005 LT: R98 - 2002	“400”	PREFERENCES	Unknown functionality
GripBlock R14 – 2005 LT: R98 - 2002	“0”	PREFERENCES	Enables the use of Grips with in Blocks. See also the System Variable GRIPBLOCK. 0 – Off 1 – On
GripColor R14 – 2005 LT: R98 - 2002	“5”	PREFERENCES	Controls the color preference of the cold grips. See also the System Variable GRIPCOLOR.
GripHot R14 – 2005 LT: R98 - 2002	“1”	PREFERENCES	Controls the color preference of the hot grips. See also the System Variable GRIPHOT.
GripHover R2004 – 2005	“3”	PREFERENCES	Controls the color preference of the hover grips. See also the System Variable GRIPHOVER.
Grips R14 – 2005 LT: R98 - 2002	“1”	PREFERENCES	Enables the use of Grips on objects. See also the System Variable GRIPS. 0 – Off 1 – On
GripSize R14 – 2005 LT: R98 - 2002	“3”	PREFERENCES	Controls the size of the Grips for selecting and modifying objects. See also the System Variable GRIPSIZE. Valid range 1 – 20
HELP LT: R2000 - 2002	"C:\PROGRAM FILES\AUTOCAD LT 2000\help\aclt.chm"	PREFERENCES	Specifies the location and the name of the AutoCAD LT help file to use when Help is called.
HideSystemPrinters R2000 – 2005 LT: R2000 - 2002i	“0”	PREFERENCES and PLOT	Enables the viewing of Systems printers as a choice for plotting. 0 – Show System Printers 1 – Hide System Printers

Notes:

Variable	Default Value	Command(s) affected	Description
HideWarningDialogs R2002 – 2005 LT: R2000 - 2002i	“0”	Dialog Boxes	Displays all dialog boxes that include a Don't Display This Warning Again option. 0 – Display All Warning messages 1 – Disable All Warning messages
IDropFilePath R2004 – 2005	nil	PREFERENCES and ADCENTER	Contains the path that ADCENTER uses for I-drop content storage when it is downloaded.
ImageHighlight R2000 – 2005 LT: R2000 - 2002	“0”	Select object	Enables highlighting of a Raster Image when it is selected. See also the System Variable IMAGEHLT. 0 – Off 1 – On
InsertUnitsDefSource R2000 – 2005 LT: R2000 - 2002	“1”	ADCENTER	Controls the content source unit value (0 - 20). See also the System Variable INSUNITSDEFSOURCE. 0 – No units 1 – Inches 2 – Feet 3 – Miles 4 – Millimeters 5 – Centimeters 6 – Meters 7 – Kilometers 8 – Microinches 9 – Mils 10 – Yards 11 – Angstroms 12 – Nanometers 13 – Microns 14 – Decimeters 15 – Decameters 16 – Hectometers 17 – Gigameters 18 – Astronomical Units 19 – Light Years 20 – Parsecs

Notes:

Variable	Default Value	Command(s) affected	Description
InsertUnitsDefTarget R2000 – 2005 LT: R2000 - 2002	“1”	ADCENTER	Controls the target drawing unit value (0 - 20). See also the System Variable INSUNITSDEFTARGET. See InsertUnitsDefSource Environment Variable for allowable values and descriptions of values.
IsaveBackupDwg R14 – 2005 LT: R98 - 2002	“1”	PREFERENCES and SAVE	Enables the automatic creation of a back up file when saving a drawing. See also the System Variable ISAVEBAK. 0 – Off 1 – On
IsavePercent R14 – 2005 LT: R2000 - 2002	“50”	PREFERENCES	Sets the amount of extra space with in a drawing file. This allows AutoCAD to perform faster saving operations. See also the System Variable ISAVEPERCENT.
ISOHatch R14 – 2005 LT: R98 - 2002	“acadiso.pat”	BHATCH and HATCH	Default ISO hatch pattern file loaded.
ISOLinetype R14 – 2005 LT: R98 - 2002	“acadiso.lin”	LINETYPE or LTYPE	Default ISO line type pattern file loaded
LastModifiedConfig R2000 – 2005 LT: R2000 - 2002	“HP LaserJet 4”	PREFERENCES and PLOT	Specifies the last modified plot configuration.
LastTemplate R14 – 2005 LT: R98 - 2002	“”	NEW and Start Up dialogs (Traditional & Today)	Holds the name of the last used drawing template.
LastWizard R14 LT: R98	“Quick Setup”	NEW and Start Up dialogs (Traditional & Today)	Holds the name of the last used drawing wizard. Values are “Quick Setup” or “Advanced Setup”.
Layout background R2000 – 2005 LT: R2000 - 2002	"16777215"	PREFERENCES	Background color of the layout tabs. Must be used like “Layout background” in AutoCAD LT.

Notes:

Variable	Default Value	Command(s) affected	Description
LayoutRegenControl R2000i – 2005 LT: R2000 - 2002i	"2"	PREFERENCES	Controls how the Model and Layout tabs are cached into memory. See also the System Variable LAYOUTREGENCTL. 0 – No caching, regenerates tabs when switching. 1 – Cache only the Model and last used Layout tab 2 – Cache Model and all Layout tabs
LayoutXhairPickboxEtc R2000 – 2005 LT: R2000 - 2002	"0"	PREFERENCES	Color of the crosshairs when in the layout tabs.
LineWeightUnits R2000 – 2005 LT: R2000 - 2002	"1"		Unknown functionality
LISPHEAP Pre 12	"35000"	PREFERENCES	Specifies the amount of memory reserved for AutoLISP functions and arguments.
LISPSTACK Pre 12	"10000"	PREFERENCES	Specifies the amount of memory reserved for AutoLISP functions and variables.
LOGFILE LT: R2000 - 2002	"C:\Program Files\AutoCAD LT 2000\aclt.log"	PREFERENCES	Specifies the location and the name of the log file that AutoCAD LT generates if the option is enabled.
LogFileOpen R12 – 2005 LT: R98 - 2002	"0"	PREFERENCES	Enables the use of the AutoCAD Log file system. See also the System Variable LOGFILEMODE. 0 – Off 1 – On
LogFilePath R2000 – 2005 LT: R2000 - 2002	"C:\\Documents and Settings\\<UserName>\\Application Data\\Autodesk\\AutoCAD 2005\\R16.1\\enu\\"	PREFERENCES	Specifies the path where the acad.log file will be generated to. See also the System Variable LOGFILEPATH.

Notes:

Variable	Default Value	Command(s) affected	Description																								
LWDEFAULT R2000 – 2005 LT: R2000 - 2002	“25”	LWEIGHT	<p>Default value that is used to represent for Line Weights. See also the System Variable LWDEFAULT.</p> <p>0 – 0.00mm 5 – 0.05mm 9 – 0.09mm 13 – 0.13mm 15 – 0.15mm 18 – 0.18mm 20 – 0.20mm 25 – 0.25mm 30 – 0.30mm 35 – 0.35mm 40 – 0.40mm 50 – 0.50mm 53 – 0.53mm 60 – 0.60mm 70 – 0.70mm 80 – 0.80mm 90 – 0.90mm 100 – 1.00mm 106 – 1.06mm 120 – 1.20mm 140 – 1.40mm 158 – 1.58mm 200 – 2.00mm 211 – 2.11mm</p>																								
MainDictionary R14 – 2005 LT: R98 - 2002	“enu”	PREFERENCES and SPELLING	<p>Contains the name of the main dictionary that should be used. See also the System Variable DCTMAIN.</p> <table border="0"> <thead> <tr> <th><u>Keyword</u></th> <th><u>Language name</u></th> </tr> </thead> <tbody> <tr> <td>enu</td> <td>American English</td> </tr> <tr> <td>ena</td> <td>Australian English</td> </tr> <tr> <td>ens</td> <td>British English (ise)</td> </tr> <tr> <td>enz</td> <td>British English (ize)</td> </tr> <tr> <td>ca</td> <td>Catalan</td> </tr> <tr> <td>cs</td> <td>Czech</td> </tr> <tr> <td>da</td> <td>Danish</td> </tr> <tr> <td>nl</td> <td>Dutch (primary)</td> </tr> <tr> <td>nls</td> <td>Dutch (secondary)</td> </tr> <tr> <td>fi</td> <td>Finnish</td> </tr> <tr> <td>fr</td> <td>French (unaccented capitals)</td> </tr> </tbody> </table>	<u>Keyword</u>	<u>Language name</u>	enu	American English	ena	Australian English	ens	British English (ise)	enz	British English (ize)	ca	Catalan	cs	Czech	da	Danish	nl	Dutch (primary)	nls	Dutch (secondary)	fi	Finnish	fr	French (unaccented capitals)
<u>Keyword</u>	<u>Language name</u>																										
enu	American English																										
ena	Australian English																										
ens	British English (ise)																										
enz	British English (ize)																										
ca	Catalan																										
cs	Czech																										
da	Danish																										
nl	Dutch (primary)																										
nls	Dutch (secondary)																										
fi	Finnish																										
fr	French (unaccented capitals)																										

Notes:

Variable	Default Value	Command(s) affected	Description																												
MainDictionary (cont.) R14 – 2005 LT: R98 - 2002	“enu”	PREFERENCES and SPELLING	<p>Contains the name of the main dictionary that should be used. See also the System Variable DCTMAIN.</p> <table> <thead> <tr> <th><u>Keyword</u></th> <th><u>Language name</u></th> </tr> </thead> <tbody> <tr> <td>fra</td> <td>French (accented capitals)</td> </tr> <tr> <td>de</td> <td>German (Scharfes s)</td> </tr> <tr> <td>ded</td> <td>German (Dopple s)</td> </tr> <tr> <td>it</td> <td>Italian</td> </tr> <tr> <td>no</td> <td>Norwegian (Bokmal)</td> </tr> <tr> <td>non</td> <td>Norwegian (Nynorsk)</td> </tr> <tr> <td>pt</td> <td>Portuguese (Iberian)</td> </tr> <tr> <td>ptb</td> <td>Portuguese (Brazilian)</td> </tr> <tr> <td>ru</td> <td>Russian (infrequent io)</td> </tr> <tr> <td>ru</td> <td>Russian (frequent io)</td> </tr> <tr> <td>es</td> <td>Spanish (unaccented capitals)</td> </tr> <tr> <td>esa</td> <td>Spanish (accented capitals)</td> </tr> <tr> <td>sv</td> <td>Swedish</td> </tr> </tbody> </table>	<u>Keyword</u>	<u>Language name</u>	fra	French (accented capitals)	de	German (Scharfes s)	ded	German (Dopple s)	it	Italian	no	Norwegian (Bokmal)	non	Norwegian (Nynorsk)	pt	Portuguese (Iberian)	ptb	Portuguese (Brazilian)	ru	Russian (infrequent io)	ru	Russian (frequent io)	es	Spanish (unaccented capitals)	esa	Spanish (accented capitals)	sv	Swedish
<u>Keyword</u>	<u>Language name</u>																														
fra	French (accented capitals)																														
de	German (Scharfes s)																														
ded	German (Dopple s)																														
it	Italian																														
no	Norwegian (Bokmal)																														
non	Norwegian (Nynorsk)																														
pt	Portuguese (Iberian)																														
ptb	Portuguese (Brazilian)																														
ru	Russian (infrequent io)																														
ru	Russian (frequent io)																														
es	Spanish (unaccented capitals)																														
esa	Spanish (accented capitals)																														
sv	Swedish																														
MaxArray R14 – 2005 LT: R98 - 2002	“10000”	ARRAY	<p>Controls the maximum number of objects that can created by the array command.</p> <p>Note: Valid Range is 100 – 10,000,000</p>																												
MaxApp R13 – 2005 LT: R2000 - 2002	“1” (R13) ”0” (R2000)	PREFERENCES	Maximize Application on Startup																												
MaxDwg R13 – 2005 LT: R2000 - 2002	“1” (R13) “0” (R2000) “1” (R2004)	PREFERENCES	Maximize Drawing by Default																												
MaxHatch R14 – 2005 LT: R98 - 2002	“10000”	BHATCH and HATCH	<p>Controls the density of the hatch patterns. This limits the hatch pattern to a maximum of number of entities, (or segments), based on the set value.</p> <p>Resolves the following error: What is the solution to the "Hatch spacing too dense" error?</p> <p>Note: Valid Range is 100 – 10,000,000</p>																												

Notes:

Variable	Default Value	Command(s) affected	Description
Measure R13	"0"	PREFERENCES	Controls whether or not AutoCAD uses ANSI or ISO hatch and line types for the drawing. 0 – English or ANSI settings 1 – Metric or ISO settings See also the MEASUREINIT for AutoCAD 2000.
Measureinit R2000 – 2005 LT: R2000 - 2002	"0"	BHATCH, HATCH and LINETYPE or LTYPE	Controls whether or not AutoCAD uses ANSI or ISO hatch and line types for the drawing. See also the System Variable MEASUREINIT. 0 – English or ANSI settings 1 – Metric or ISO settings
MenuFile R14 – 2005 LT: R98 - 2002	"C:\\Documents and Settings\\<UserName>\\Application Data\\Autodesk\\AutoCAD 2005\\R16.1\\enu\\Support\\acad"	PREFERENCES, MENU and MENULOAD	Main menu that is loaded into AutoCAD. See also the System Variable MENUENAME. Note: Setting doesn't take affect until AutoCAD is restarted.
MenuOptionFlags R14 – 2005	"1"	PREFERENCES	Enables page switching on the side menu. See also the System Variable MENUCTL. 0 – Off 1 – On
ModeBits R14 – 2005 LT: R98 - 2002	"0"	PREFERENCES	Enables Full-time CRC validation. 0 – Off 1 – On
MonoVectors R12, R14 – 2005 LT: R98 - 2002	"0"	PREFERENCES	Controls whether or not AutoCAD uses the colors set by layers in the drawing for display or uses gray scale colors on screen. 0 – Off 1 – On

Notes:

Variable	Default Value	Command(s) affected	Description
MRUFilesToList R2000 – 2005 LT: R2000 - 2002	“4”	PREFERENCES and TODAY	Most recently used drawing files, and history number. Note: Valid range 0 – 9
MTextEditor R14 – 2005 LT: R98 - 2002	“Internal”	MTEXT	Specifies the name of the editor that will be used when creating or editing MText entities. See also the System Variable MTEXTED.
MTextFixed R2004 – 2005	“0”	MTEXT	Determines how the Mtext Editor is presented to the user. 0 – Mtext Editor works in-place based on the text height and size on screen. If text is too large or small the in-place editing will not be used. 1 – Mtext Editor will not use in-place editing and will be displayed at the last used size and location.
MTextJigString R2004 – 2005	“abc”	MTEXT	Displays a preview string when creating a MTEXT object. Preview string shows what the text will look like with the current font. A Max of ten characters is allowed in this field.
NetLocation R14 – 2005 LT: R98 - 2002	"http://www.autodesk.com "	BROWSER	Default URL used for the BROWSER command. See also the System Variable INETLOCATION.
NewStyleSheet R2000 – 2005	nil or “”	PREFERENCES	Default Plot Style that is used when creating a new drawing. “” – None
NFWState R2005	“1”	<i>Environment</i>	Controls whether or not New Features Workshop is available in the Help pull-down. 0 – Item is disabled in pull-down 1 – Item is enabled in the pull-down

Notes:

Variable	Default Value	Command(s) affected	Description
NoStartupDialog R14 – 2002 LT: R98 - 2002	“0”	NEW (Start UP dialog)	Enables or disables the use of the Start Up dialog box. 0 – On 1 – Off
ObjectSnapCursorSize R2002 – 2005	“6”	PREFERENCES	Controls the size of the AutoSnap Aperture Box. See also the System Variable APERTURE. Valid value range is 1 to 50.
OLEQUALITY R2000 – 2005 LT: R2000 - 2002	“1” (2004 & prior) “3” (2005)	PREFERENCES and PLOT	Controls the quality level of an OLE Object contained with in the drawing. See also the System Variable OLEQUALITY. Values for 2004 & prior 0 – Line art quality, like a spreadsheet 1 – Text quality, like a MS Word® document 2 – Graphics quality, like a pie chart 3 – Photograph quality 4 – High photograph quality Values for 2005 0 – Monochrome 1 – Low quality graphics 2 – High quality graphics 3 – Automatically select
Osmode R2000 – 2005 LT: R2000 - 2002	“4133”	OSMODE and DSETTINGS	Current running object snap setting. See also the System Variable OSMODE. 0 – None 1 – Endpoint 2 – Midpoint 4 – Center 8 – Node 16 – Quadrant 32 – Intersection 64 – Insertion 128 – Perpendicular 256 – Tangent 512 – Nearest 1024 – Quick 2048 – Apparent Intersection 4096 – Extension 8192 – Parallel

Notes:

Variable	Default Value	Command(s) affected	Description
OsnapCoord R14 – 2005 LT: R98 - 2002	“2”	PREFERENCES and commands that require user input	Controls how entering coordinates for input are affected by the current Object Snaps. See also the System Variable OSNAPCOORDS. 0 – Object snaps override coordinates at all times. 1 – Coordinate input overrides object snaps at all times. 2 – Coordinate input overrides object snaps at all times, except in scripts.
OsnapHatch R2005	“0”	Object Snap with Hatch Objects	Determines whether Object Snaps are allowed to act upon Hatch objects or not. 0 – Ignore Hatch objects when selecting points with Object Snaps turned on. 1 – Hatch objects are not ignored when using Object Snaps and is the legacy behavior of AutoCAD 2004 and prior.
OsnapNodeLegacy R2005	“0”	Object Snap with Mtext Objects	Controls whether the Object Snap Node can be used at the grip points of Mtext objects. 0 – Node Object Snap works, AutoCAD 2004 & up behavior 1 – Node Object Snap is disabled, AutoCAD 2002 and earlier behavior
PAPERUPDATE R2000 – 2005 LT: R2000 - 2002	“0”	PREFERENCES	Enables the warning box when a paper size that is currently set exceeds the limits of the plotter selected. See also the System Variable PAPERUPDATE. 0 – Displays warning box about paper size not supported by the current device. 1 – Paper size is updated to what is specified in the configuration file for the plotter.

Notes:

Variable	Default Value	Command(s) affected	Description
PickAdd R14 – 2005 LT: R98 - 2002	“1”	Selecting objects and modify commands	Enables the use of holding down the Shift key to add items to a selection set. See also the System Variable PICKADD. 0 – On, Shift key must be pressed and held down in order to add objects to a selection. 1 – Off, Shift key can be pressed and held down to remove objects from a selection set.
PickAuto R14 – 2005 LT: R98 - 2002	“1”	Selecting objects and modify commands	Enables implied selection. See also the System Variable PICKAUTO. 0 – Off, can not use window or crossing selection methods unless you are at a selection prompt. 1 – On, allows for the use of window and crossing selection methods even when not at a select object prompt.
PickBox R14 – 2005 LT: R98 - 2002	“3”	Selecting objects and modify commands	Controls the size of the Pickbox for selecting objects. See also the System Variable PICKBOX. Note: Valid range 0 – 20
PickDrag R14 – 2005 LT: R98 - 2002	“0”	Selecting objects and modify commands	Enables the mouse button must be held down in order to create a selection window. See also the System Variable PICKDRAG. 0 – Off, no need to pick and drag with the mouse to create a selection window. 1 – On, mouse button must be held down while dragging to create a selection window.
PickFirst R14 – 2005 LT: R98 - 2002	“1”	Selecting objects and modify commands	Enables the use of Noun/Verb selection. See also the System Variable PICKFIRST. 0 – Off, Command must be started prior to selecting objects. 1 – On, Objects can be selected before command is started.

Notes:

Variable	Default Value	Command(s) affected	Description
Pickstyle R2000 – 2005 LT: R2000 - 2002	"1"	Affects selecting objects	Enables the ability for selecting groups or hatch objects. See also the System Variable PICKSTYLE. 0 – Groups and associative hatch objects act like individual objects 1 – Groups can be selected 2 – Associative hatch can be selected 3 – Both Groups and Associative hatch can be selected
Plot preview background R2000 – 2005 LT: R2000 - 2002i	"16777215"	PREFERENCES and PREVIEW	Background of the plot preview window. Must be used like "Plot preview background" for AutoCAD LT.
PLOTLEGACY R2000 – 2005 LT: R2000 - 2002	"0"	PREFERENCES and PLOT	Enables the use of Color Dependent Plot Styles. 0 – Use Named Plot Style 1 – Use Color Dependent Plot Style
PlotLogPath R2005	"D:\\Documents and Settings\\<UserName>\\Local Settings\\Application Data\\Autodesk\\AutoCAD 2005\\R16.1\\enu\\"	PREFERENCES PLOT and PUBLISH	Specifies the location that the log files for Plot and Publish should be stored.
PlotOffset R2005	"0"	PREFERENCES PLOT and PUBLISH	Controls whether the plot offset is relative to the printable area or the edge. 0 – Plot offset is set relative to the printable area. 1 – Plot offset is set relative to the edge of the paper.
PlotSpoolerDirectory R14 – 2005 LT: R98 - 2002	"C:\\Documents and Settings\\<UserName>\\Local Settings\\Temp\\"	PREFERENCES and PLOT	Specifies the path that is used to generate the spool files that are used for creating plots.
PlotSpoolerNode R14 – 2005 LT: R98 - 2002	"ac\$"	PREFERENCES	Specifies the extension that is used for temporary files.

Notes:

Variable	Default Value	Command(s) affected	Description
PlotToFileDir R2005	"C:\\Documents and Settings\\<UserName>\\My Documents"	PLOT and PUBLISH	Default location for plotting to file.
PLSPOOLALERT R2000 – 2005 LT: R2000 - 2002	"0"	PREFERENCES and PLOT	Controls the amount of error notification that is caused when a printer spool problem occurs. 0 – Always alert and log errors 1 – Alert first time only and log errors 2 – Never alert and log first error 3 – Never alert and do not log error
PrinterConfigDir R2000 – 2005 LT: R2000 - 2002	"C:\\Documents and Settings\\<UserName>\\Application Data\\Autodesk\\AutoCAD 2005\\R16.1\\enu\\plotters"	PREFERENCES and PLOT	Specifies the location in which the configuration files for the printers/plotters can be found.
PrinterDescDir R2000 – 2005 LT: R2000 - 2002	"C:\\Documents and Settings\\<UserName>\\Application Data\\Autodesk\\AutoCAD 2005\\R16.1\\enu\\plotters\\PMP Files"	PREFERENCES and PLOT	Specifies the location in which the description files for the printers/plotters can be found.
PrinterStyleSheetDir R2000 – 2005 LT: R2000 - 2002	"D:\\Documents and Settings\\<UserName>\\Application Data\\Autodesk\\AutoCAD 2005\\R16.1\\enu\\Plot Styles"	PREFERENCES and PLOT	Specifies the location in which the Plot Styles files for the drawings can be found.
ProfileStorage R2004 – 2005	"C:\\Documents and Settings\\<UserName>\\Application Data\\Autodesk\\AutoCAD 2005\\R16.1\\enu\\Support\\Profiles\\FixedProfile.awa"	PREFERENCES	Points to the location on the machine where the Fixed Profile parameters file is stored. This file contains information about the current drawing environment.
PROMPT (Windows OS – 9x)	"\$p\$g"		Specifies the type of prompt that is displayed on the Command Line in a DOS window.
PrototypeDwg R13	"acad.dwg"	PREFERENCE	Specifies the base drawing file that will be used to create new drawings from.

Notes:

Variable	Default Value	Command(s) affected	Description
PROXYWEBSEARCH R2000i – 2005 LT: R2000 - 2002i	"1"	PREFERENCES and TODAY	Specifies how AutoCAD will search for Object Enablers. See also the System Variable PROXYWEBSEARCH. 0 – Never look for Object Enablers 1 – Only when Autodesk Point A is displayed or available in Today. 2 – Always look for Object Enablers
PROXYWEBSEARCHNUMBER R2000i – 2005 LT: R2000 - 2002i	"5"	PREFERENCES and TODAY	Specifies the number of times that AutoCAD will search for Object Enablers.
PSOUT_PrologFileName R14 – 2005 LT: R98 - 2002	nil	PREFERENCES and PSOUT	Specifies the prolog section to read from the acad.psf file when using the PSOUT command.
PSTYLEPOLICY R2000 – 2005 LT: R2000 - 2002	"1"	PREFERENCES and PLOT	Controls whether or not an objects' color is associated with the plot style. See also the System Variable PSTYLEPOLICY. 0 – There is no association made between color and plot style. 1 – Object's plot style is associated with its color.
QnewTemplate R2004 – 2005	nil	QNEW	Contains the location for the template that is used by the QNEW command.
RasterPreview R14 - 2005	"1"	Environment	Controls whether a preview should be stored with the drawing. 0 – No preview should be saved 1 – Preview should be saved with drawing
RDPADI R13		PREFERENCES and RENDER	Specifies the location and name of the protected mode ADI rendering drive for the Renderer.
RENDERCFG R13	"C:\\AutoCAD R13\\Win"	PREFERENCES and RENDER	Controls where AutoCAD stores and locates the AutoCAD Render configuration file,render.cfg , created when you configure AutoCAD Render for your rendering display and hard-copy drivers.

Notes:

Variable	Default Value	Command(s) affected	Description
RHPADI R13		PREFERENCES and RENDER	Specifies the location and name of the protected mode ADI hard copy rendering driver for the Render engine.
SaveFilePath R2000 – 2005 LT: R2000 - 2002	"C:\\Documents and Settings\\<UserName>\\Local Settings\\Temp\\"	PREFERENCES	Specifies the path that is used to save the Autosave files to. See also the System Variable SAVEFILEPATH.
ScreenMenu R14 – 2005 LT: R98 - 2002	"0"	PREFERENCES	Displays the side screen menu or toggles it off. 0 – Off 1 – On
Scrollbars R13 – 2005 LT: R98 - 2002	"1"	PREFERENCES	Enables the scroll bars with in the AutoCAD drawing window. 0 – Off 1 – On
SDF_AttributeExtractTemplateFile R14 – 2005 LT: R98 - 2002	"" or nil	ATTEXT	Last extraction template used by the Attribute Extraction command, (ATTEXT).
SDIMode R2000 – 2005 LT: R2000 - 2002	"0"	PREFERENCES	Enables or disables the Single Document Interface allowing for MDE to be used or not used. MDE stands for Multiple Drawing, (or Document), Environment. See also the System Variable SDI. 0 – MDE is allowed 1 – MDE is not allowed
SheetSetTemplatePath R2005	"C:\\Documents and Settings\\<UserName>\\Local Settings\\Application Data\\Autodesk\\AutoCAD 2005\\R16.1\\enu\\Template"	PREFERENCES and SHEETSET	Specifies the location of the drawing templates that should be used during the wizard for Create Sheet Set.

Notes:

Variable	Default Value	Command(s) affected	Description
ShowHyperlinkCursor R2000 – 2005 LT: R2000 - 2002	“1”	PREFERENCES	Enables the Hyperlink icon to appear when passing over an item that has a Hyperlink attached to it. Note: AutoCAD 2005 includes the Tooltips with the setting as well. 0 – Off 1 – On
ShowHyperlinkToolTip R2000 – 2004 LT: R2000 - 2002	“1”	PREFERENCES	Enables a ToolTip with the URL or path to appear when the crosshairs passes over an object that has a Hyperlink attached to it. 0 – Off 1 – On
ShowFullPathInTitle R2000i – 2005 LT: R2000 - 2002i	“1”	PREFERENCES	Enables whether or not the full path of the drawing is displayed in the caption of the AutoCAD session. 0 – Full path is not displayed 1 – Full path is displayed
ShowPaperBackground R2000 – 2005 LT: R2000 - 2002	“1”	PREFERENCES	Displays the shadow of the paper size in layout tabs. 0 – Shadow is not displayed for the paper size 1 – Shadow is display for the paper size
ShowPaperMargins R2000 – 2005 LT: R2000 - 2002	“1”	PREFERENCES	Enables the displaying of the margins when viewing a drawing in the layout tabs. It is represented by the dashed lines, and anything outside of the dashed lines are clipped or not plotted/printed. 0 – Does not displays Margins for paper 1 – Displays Margins for paper

Notes:

Variable	Default Value	Command(s) affected	Description
ShowPlotSetup R2000 – 2005 LT: R2000 - 2002	“1”	PREFERENCES and PAGESETUP	Enables the Page Setup dialog box for when creating new layouts or when working with a layout the first time. 0 – Disables the dialog box 1 – Dialog is allowed to be displayed when conditions allow it to be
ShowPrintBorder R2000 – 2005 LT: R2000 - 2002	“1”	PREFERENCES	Displays the outline edge of the paper size in layout tabs. 0 – Outline of paper is not displayed. 1 – Outline of paper is displayed.
ShowProxyDialog R14 – 2005 LT: R2000 - 2002	“1”	PREFERENCES	Enables the Proxy notification dialog box. See also the System Variable PROXYNOTICE. 0 – Off 1 – On
ShowProxyGraphics R14 – 2005 LT: R2000 - 2002	“1”	PREFERENCES	Controls the mode of how Proxies are handled by AutoCAD. See also the System Variable PROXYSHOW. 0 – Do not show Proxy graphics 1 – Show Proxy graphics 2 – Show Proxy bounding box
ShowTabs R2000 – 2005 LT: R2000 - 2002	“1”	PREFERENCES	Enables the tabs at the bottom of the drawing window to allow for switching between Model and the other layout tabs. 0 – Tab controls not visible 1 – Tabs are visible to allow switching
SQLIndexInDwg R2000 – 2005 LT: R2000 - 2002	“1”	PREFERENCES and DBCONNECT	Controls whether or not the Links index is stored with in the drawing. 0 – Links are not stored in the drawing 1 – Links are stored in the drawing

Notes:

Variable	Default Value	Command(s) affected	Description
StartUpType R14 – 2005 LT: R98 - 2002	"Template"	NEW and TODAY	The way in which AutoCAD was started up from the Start Up dialog box. This setting is only changed when the Traditional Start Up dialog is used, not Today. OpenDwg – Drawing was opened from Start Up dialog Template – Template was used to create a new drawing from the Start Up dialog. Wizard – One of the drawing wizards was used to create a new drawing from the Start Up dialog. Scratch – Either English or Metric was selected from the create new drawing from Scratch section of the Start Up dialog.
SystemRoot (Windows OS – NT/2000/XP)	"C:\\Windows"		Specifies the location that Windows loads from.
RtDisplay R14 – 2005 LT: R98 - 2002	"1"	PREFERENCES	Enables panning and zooming of Raster Images and OLE objects. See also the System Variable RTDISPLAY. 0 – Off 1 – On
TEMP (Windows OS)	"C:\\DOCUME~1\\<userna ~1>\\LOCALS~1\\Temp"		Specifies the location where temporary files will be saved to.
TempDirectory R14 – 2005 LT: R98 - 2002	"C:\\Documents and Settings\\<UserName> \\Local Settings\\Temp\\"	PREFERENCES	Specifies the path that is used to save the temporary files to. See also the System Variable TEMPPREFIX.
TemplatePath R14 – 2005 LT: R98 - 2002	"C:\\Documents and Settings\\<UserName> \\Local Settings\\ Application Data\\ Autodesk\\AutoCAD 2005\\R16.1\\enu\\ Template"	NEW and TODAY	Specifies the location in which the drawing templates can be found in for creating new drawings.
TextWindow.BackColor R14 – 2005 LT: R98 - 2002	"16777215"	PREFERENCES	Text Window Background Color.

Notes:

Variable	Default Value	Command(s) affected	Description
TextWindow.FontFace R14 – 2005 LT: R98 - 2002	"Courier"	PREFERENCES	Text Window Font Style
TextWindow.FontHeight R14 – 2005 LT: R98 - 2002	"10"	PREFERENCES	Text Window Font Height
TextWindow.FontItalic R14 – 2005 LT: R98 - 2002	"0"	PREFERENCES	Enables the whether or not that the Text Window Font is Italic. 0 – Not Italicized 1 – Italicized
TextWindow.FontPitchAndFamily R2000 – 2005 LT: R98 - 2002	"-21"	PREFERENCES	Unknown functionality
TextWindow.FontWeight R14 – 2005 LT: R98 - 2002	"400"	PREFERENCES	Unknown functionality
TextWindow.ForeColor R14 – 2005 LT: R98 - 2002	"0"	PREFERENCES	Text Window Foreground Color.
TMP (Windows OS)	"C:\\\\DOCUME~1\\<userna ~1>\\LOCALS~1\\Temp"		Specifies the location where temporary files will be saved to.
Today_WorkMode R2000i – 2002	nil or ""	TODAY	Controls whether or not the Today screen is used at Start up or creating new drawings. 0 – Off (Use Traditional screen or none) 1 – On
ToolBarSize R12	"16"		Controls the size of the Toolbar button size. 16 – 16x16 in size 24 – 24x24 in size 32 – 32x32 in size
Toolbar1 - Toolbar26 R12	"..."	TOOLBAR	Controls the command sequence that is executed when the toolbar button is clicked.

Notes:

Variable	Default Value	Command(s) affected	Description
UseMenuHeader R13 – 2005	“0”	PREFERENCES	Controls how menus are loaded into drawings. 0 – AutoCAD uses the loaded menu for every drawing, regardless of the menu file specified in the drawing header. 1 – AutoCAD uses the file name that is specified in the drawing header.
UserName R2000 – 2005 LT: R98 - 2002	“HyperPics, HyperPics”		Displays the information that was entered at install time for AutoCAD.
UseMRUConfig R2000 – 2005 LT: R2000 - 2002	“0”	PREFERENCES and PLOT	Controls whether or not the default printer or the last successful printer is used when creating new drawings. 0 – Use the default printer/plotter 1 – Use the last successful printer/plotter
UseStartUpDialog R2004 – 2005	“1”	Environment	Controls the display of the Create New Drawing dialog box. 0 – Displays the Select Template File dialog box or uses the default template that is specified under the File section of the Options dialog. 1 – Displays the Startup and Create New Drawing dialog box.
Use TODAY as Startup dialog R2000i – 2002 LT: R2000 - 2002i	“1”	NEW, OPEN and TODAY	Controls whether or not the Today screen is used at Start up or creating new drawings. Must be used like “Use TODAY as Startup dialog” for AutoCAD LT. 0 – Off (Use Traditional screen or none) 1 – On
Validation Policy R2000 – 2005 LT: R2000 - 2002	“3”		Unknown functionality. Must be used like “Validation Policy” for AutoCAD LT.
Validation Strategy R2000 – 2005 LT: R2000 - 2002	“1”		Unknown functionality. Must be used like “Validation Strategy” for AutoCAD LT.

Notes:

Variable	Default Value	Command(s) affected	Description
Windir (Windows OS)	"C:\\Windows" or "C:\\WINNT"		Specifies the location of the Windows Operating System.
Winbootdir (Windows OS – 9x)	"C:\\WINDOWS"		Specifies the location that Windows loads from.
XFadeCtl R2000 – 2005	"50"	PREFERENCES and XREF	Controls the amount of fade that is used when the REFEDIT command is active. See also the System Variable XFADECTL. Note: Valid range 0 – 100
XrefLazyLoadMode R14 – 2005 LT: R98 - 2002	"1"	PREFERENCES and XREF	Controls how Xrefs are automatically loaded into the drawing session. See also the System Variable XLOADCTL. 0 – Demand load disabled 1 – Demand load is enabled 2 – Demand load is enabled with copy
XrefLoadPath R14 – 2005 LT: R98 - 2002	"C:\\DOCUME~1\\<userna ~1>\\LOCALS~1\\Temp"	PREFERENCES and XREF	Specifies the path that is used to store temporary copies of an external reference files to. See also the System Variable XLOADPATH.

As you can see the Environments Variables with inside of AutoCAD have changed somewhat over the last several releases and with the addition of new commands into AutoCAD there is a guarantee that we will see more Environment Variables in the future. The table also provides a good reference to the Environment Variables that will most likely be there in the future and the ones that could be removed also. The Environment Variables are exciting to look at to see how AutoCAD has changed, and they have provided a lot of people with the ability to quickly change some of the preferences in the AutoCAD environment through the use of macros and scripts without the need of learning programming like you would with VBA/VB or ObjectARX.

Notes: