This file contains all MicroStation SS2 variables as exported by the command: *mdl load cfgvars printCfgVarResource*

System Environment Category

Cfg Var Name	*Long Description*
MS_CONFIG	Main MicroStation configuration file, sets up all configuration variables.(MS_CONFIG)
RSC_COMP	Specifies text to be inserted at the beginning of the command line by the resource compiler.This is generally used to specify where to search for include files.(RSC_COMP)
MDL_COMP	Specifies text to be inserted at the beginning of the command line by the MDL compiler and rsctype.This is generally used to specify where to search for include files.(MDL_COMP)
BMAKE_OPT	Command line options for BMAKE.This is generally used to specify where to search for bmake include (.mki) files.(BMAKE_OPT)
MS_DEBUGMDLHEAP	Set to the base name of an MDL application (or "ALL").If set use extended malloc for debugging. This must be set as a system environment variable.(MS_DEBUGMDLHEAP)

Configuration Category

Cfg Var Name	*Long Description*
MS_USERPREF_APPS	Set by application configuration files to add user preferences to standard dialogs. (MS_USERPREF_APPS)
MSDIR	The MicroStation root installation directory.(MSDIR)
MSLOCAL	Specifies the base directory path for where the required writable portions (i.e. local for a network install) of MicroStation are installed.(MSLOCAL)
_USTN_DEFUSERINTNAME	Subdirectory under "_USTN_USERINT" that actually contains the default user interface resource modification files. (_USTN_DEFUSERINTNAME)
_USTN_USERINTNAME	Subdirectory under "_USTN_USERINT" that actually contains the user interface resource modification files. (_USTN_USERINTNAME)
_USTN_USERINTROOT	Root directory containing product-specific interface directories.(_USTN_USERINTROOT)
_USTN_USERINT	User interface data directory.(_USTN_USERINT)
_USTN_PROJECTNAME	MicroStation base project name.(_USTN_PROJECTNAME)
_USTN_USERCFG	MicroStation user configuration file name.(_USTN_USERCFG)

_USTN_USERNAME	MicroStation base user name.(_USTN_USERNAME)
_USTN_USERDESCR	Description of current user configuration.(_USTN_USERDESCR)
_USTN_DEFAULTUSER_CFG_FILE	Base name of the configuration file that holds the default user name.(_USTN_DEFAULTUSER_CFG_FILE)
_USTN_USER	Directory containing MicroStation user configuration files.(_USTN_USER)
_USTN_PROJECTDATA	Directory containing project-specific data.(_USTN_PROJECTDATA)
_USTN_PROJECTSROOT	Directory containing project-specific sub-directories.(_USTN_PROJECTSROOT)
_USTN_PROJECT	Directory containing MicroStation project configuration files.(_USTN_PROJECT)
_USTN_DATABASE	Directory containing MicroStation database configuration files.(_USTN_DATABASE)
_USTN_SITE	Directory containing MicroStation site configuration files.(_USTN_SITE)
_USTN_APPL	Directory containing MicroStation application configuration files.(_USTN_APPL)
_USTN_WORKSPACEROOT	Root directory containing all workspace files.(_USTN_WORKSPACEROOT)
_USTN_SYSTEMROOT	Directory containing system workspace files.(_USTN_SYSTEMROOT)
_USTN_SYSTEM	Directory containing MicroStation system configuration files.(_USTN_SYSTEM)
_USTN_DATABASECFG	MicroStation database configuration file name.(_USTN_DATABASECFG)
_USTN_DATABASENAME	Base name of current database configuration file.(_USTN_DATABASENAME)
_VERSION89	Indicates that the current product's version number is 9.x. (_VERSION89)
_PLATFORMNAME	Short name of this platform. Useful for building platform-specific sub-directories. (_PLATFORMNAME)
_WORKDIR	Directory where MicroStation was started. (_WORKDIR)
_USTN_HOMEROOT	Defines the root location for Bentley product-specific data that is unique to a computer or workstation. (_USTN_HOMEROOT)
_USTN_HOMEPREFS	Defines the location of home (or local) preferences. (_USTN_HOMEPREFS)
_USTN_DOCUMENTATIONROOT	Defines the root location for product documentation. (_USTN_DOCUMENTATIONROOT)

_USTN_CAPABILITY_V7	Defines one or more capabilities in V7 workmode that are to be restricted.See MicroStation's documentation for a full list of features and capabilities that can be restricted. This variable only restricts capabilities in V7 workmode. (_USTN_CAPABILITY_V7)
_USTN_CAPABILITY_DGN	Defines one or more capabilities in DGN workmode that are to be restricted.See MicroStation's documentation for a full list of features and capabilities that can be restricted. This variable only restricts capabilities in V8 DGN workmode. (_USTN_CAPABILITY_DGN)
_USTN_CAPABILITY_DWG	Defines one or more capabilities in DWG workmode that are to be restricted.See MicroStation's documentation for a full list of features and capabilities that can be restricted. This variable only restricts capabilities in DWG workmode. (_USTN_CAPABILITY_DWG)
_USTN_CAPABILITY	Defines one or more capabilities in MicroStation that are to be restricted.See MicroStation's documentation for a full list of features and capabilities that can be restricted.This the master capability configuration variable that applies to all workmodes. (_USTN_CAPABILITY)
_USTN_BENTLEYROOT	Defines the root directory for Bentley product suite. The followingvariables are based on _USTN_BENTLEYROOT: _USTN_WORKSPACEROOT.(_USTN_BENTLEYROOT)
_USTN_PROJECTSUBDIRS	List of subdirectories automatically created for a new project. (_USTN_PROJECTSUBDIRS)
_ROOTDIR	Location (directory) of the MicroStation executable. (_ROOTDIR)
_USTN_OUT	Base directory for MicroStation output files. (_USTN_OUT)
_USTN_CHARTRAN	Directory containing character translation tables. (_USTN_CHARTRAN)
_USTN_NEWDGNFILE	List of MDL applications to be reloaded each time a new design file is opened, except when it is the first design file. (_USTN_NEWDGNFILE)
_USTN_FIRSTDGNFILE	List of MDL applications that are loaded on startup after the user selects an initial design file. (_USTN_FIRSTDGNFILE)
_USTN_REQUIREDAPPS	List of MDL applications that are required to be loaded while MicroStation is running. (_USTN_REQUIREDAPPS)
_USTN_DISPLAYALLCFGVARS	If set, all configuration variables (including those of the format _USTN_xxx) will be displayed.(_USTN_DISPLAYALLCFGVARS)
_ENGINENAME	The name of the Foundation Product (e.g., MicroStation). (_ENGINENAME)
_MICROSTATION	Set if product is MicroStation. (_MICROSTATION)
_INTELNT	Set if operating system is Windows. (_INTELNT)
_WINNT	Set if operating system is Windows NT. (_winNT)

ALL lists only

Cfg Var Name	*Long Description*
MS_ANNOTATIONSCALEPROPAGATION	Controls the propagation of a model's annotation scale changes to existing annotations. If set to NEVER, the scale will not be propagated. If undefined or set to any other value, the scale will be automatically propagated. (MS_ANNOTATIONSCALEPROPAGATION)
MS_AUTO_UPDATE_FIELDS	Controls the rules for updating fields in the active model. If set to ALWAYS, the fields will always be kept up to date. If set to NEVER, the fields will never be updated. If not set or if set to FOLLOWMODELFLAG, the model's "Update Fields" flag will be followed. (MS_AUTO_UPDATE_FIELDS)
MS_NOTEAUTOUPDATE	This variable controls the list of note-settings that will be propagated to existing notes when a dimension style is saved. To propagate all the note-settings, set the variable to 'all'. To control individually, the attributes can be one or more of the following as a comma separated list : TextRotation, HorizontalAttachment, EditAbout, HorizontalJustification, VerticalLeftAttachment, VerticalRightAttachment (MS_NOTEAUTOUPDATE)
MS_DIMLEGACYPOINTORDER	If set to 1, the dimensioning tools will use the legacy datapoint sequence for placing linear and angular dimensions (ie., StartPoint - ExtensionPoint - EndPoint) instead of the current datapoint sequence (ie., StartPoint - EndPoint - ExtensionPoint). (MS_DIMLEGACYPOINTORDER)
MS_USECUSTOMSHEETSIZEDEF	If set to 0, the sheet sizes will be derived from the active plotter driver. If set to 1, the sheet sizes in the Sheet Size definition file (MS_CUSTOMSHEETSIZEDEF) will be available for creating sheet models. If set to 2, the sheet sizes from both sources will be used for creating sheet models. (MS_USECUSTOMSHEETSIZEDEF)
_USTN_SYSTEMTABLES	Specifies the root directory for system table directories. (_USTN_SYSTEMTABLES)
_USTN_RASTERTABLE	Specifies the location of the Units.ini file, used to upgrade MS/J Raster Manager projects to V8. (_USTN_RASTERTABLE)
_USTN_CUSTOMIZEBASEID	Specifies a base number at which Customize will begin generating ids for user-created resources. After this value has been set, Customize will not create any resources with a resource id lower lower than this value.
_USTN_RMGR_MAXFILEPTRS	Specifies the maximum number of operating system file pointers that the Resource Manager will use internally to manipulate all its logical resource file handles. In version 5, this alue was fixed at 6. Starting in version 5.5, the new default is 12 but can be overridden by this configuration variable.
PZIP_OUT	Specifies the default directory for creation of Packager files. (PZIP_OUT)
MS_SIGNATURE_SHOW_FULL_NAME	If set, MicroStation displays the full subject and issuer names from the signer's certificate in the element info balloon for a digital signature element MS_SIGNATURE_SHOW_FULL_NAME)
MS_SIGNATURE_DISPLAY_UNVERIFIED	Controls how an unverified digital signature is crossed out. The value is: color weight style strikeout where: color a number, specifying menu color identifier number weighta number, specifying the lineweight of the annotation style a number, specifying the style strikeouthow to strike out the signature: Xdraw an X over the signature

-draw a line through the middle of the signature
The default is a heavy, solid red X over the signature: 4 7 0 X
To draw a heavy, solid blue line through the signature: 1 7 0 -

(MS_SIGNATURE_DISPLAY_UNVERIFIED)

MS_BASICEXT_LOAD	List of MDL applications that implement extensions to the BASIC language (MS_BASICEXT_LOAD)
MS_DATA	Directory for data files created/used by MicroStation.(MS_DATA)
MS_OLDUSERLICENSE	File containing old user license information. Necessary for an upgrade installation. (MS_OLDUSERLICENSE)
MS_USERLICENSE	File containing user license information.(MS_USERLICENSE)
_DGNFILE	Name of the current Design File (abbreviated).Not editable.(_DGNDIR)
_DGNDIR	Directory containing the current Design File.Not editable.(_DGNDIR)
MS_CMDWINDRSC	MicroStation command window resource file.If not defined, use default.(MS_CMDWINDRSC)
MS_GUIHAND	Identifies auxiliary handlers.(MS_GUIHAND)
MS_HELPLOAD_SERVER	Specifies the root location of the Help content.(MS_HELPLOAD_SERVER)
MS_HELPLOAD_APPLICATION	Determines which application help is based on. Current options are HTMLHelp (default), or StaticWeb. StaticWeb refers to static HTML pages on a website.(MS_HELPLOAD_APPLICATION)
MS_HELPPATH	MicroStation help path.(MS_HELPPATH)
MS_RIGHTLOGICKB	If set equal to 1, support typing from right to left. Used for foreign language support.(MS_RIGHTLOGICKB)
MS_INITAPPS	List of all initial start up MDL Applications. (MS_INITAPPS)
MS_RSRC	Main MicroStation resource, typically set to "ustation.rsc". (MS_RSRC)
MS_DGNOUT	Directory containing design files created from "on the fly" translations. (MS_DGNOUT)
_USTN_ALTCHARTRAN	Alternate character translation table. (_USTN_ALTCHARTRAN)
MS_DEFCHARTRAN	Default character translation table.(MS_DEFCHARTRAN)
MS_CODESET	MDL application for handling multi-byte character sets.(MS_CODESET)

MS_OPENDESIGNFILEFILTER	If this variable is set, then the File Open dialog will use the value as the initial filter.An example value is "*.*".(MS_OPENDESIGNFILEFILTER)
MS_SMARTSOLID	The directory containing the SmartSolid subsystem.(MS_SMARTSOLID)
MS_SNAP_TANGENT_POINT_DEFAULT_MODE	The snap mode used to compute the location of a perpendicular or tangent point snap. Applies only when perpendicular or tangent point is the default snap mode. Possible values are: b - bisector, i - intersection, k - keypoint, m - midpoint, m1 - multisnap1, m2 - multisnap2, m3 - multisnap3. The default is 'k' (keypoint). (MS_SNAP_TANGENT_POINT_DEFAULT_MODE)
MS_SNAPMODE_SOURCE	Where to read default snap mode and multi-snaps settings from. Possible values are 0 for the current dgn file or 1 for the userprefs file. The default is 0. (MS_SNAPMODE_SOURCE)
MS_VIEWATTRIBUTES_PLUGINASSEMBLIES	List of assemblies to search in for view attributes dialog plugin groups.(MS_VIEWATTRIBUTES_PLUGINASSEMBLIES)

Primary Search Path Category

Cfg Var Name	*Long Description*
MS_ECFRAMEWORK_SCHEMAS	A path to search for ECSchemas (libraries of item types) that define Engineering Content. (MS_ECFRAMEWORK_SCHEMAS)
MS_ECTREE_LIBRARIES	List of DGN files in which to find ECTree definitions. (MS_ECTREE_LIBARIES)
MS_DGNLIBLIST	List of DGN files which are used as resource for your current session.(MS_DGNLIBLIST)
MS_DEF	Search Path for design files.(MS_DEF)
MS_RFDIR	Search path for references.(MS_RFDIR)
MS_MDLAPPS	Search path for MDL applications that are displayed in the MDL dialog box.(MS_MDLAPPS)
MS_MDL	Search path for MDL applications or external programs loaded by MDL applications.(MS_MDL)
MS_ADDINPATH	Search path for managed AddIn assemblies that are deployed outside of MicroStation's application base or configured privatePath.(MS_ADDINPATH)
MS_ADDIN_DEPENDENCYPATH	Search path for managed assemblies that are used by AddIns and which are deployed outside of MicroStation's application base or configured privatePath. Directories should not normally be listed both here and in MS_ADDINPATH.(MS_ADDIN_DEPENDENCYPATH)
MS_MACRO	Search path for macros.(MS_MACRO)
MS_RSRCPATH	Search path for resource files loaded by MDL applications.(MS_RSRCPATH)

MS_GUIDGNLIBLIST	List of DGN files which store Tool, Task, and Menu customizations for your current session.(MS_GUIDGNLIBLIST)
MS_LIBRARY_PATH	Search path for dynamic link libraries.(MS_LIBRARY_PATH)
RDL_DIR	Defines the location and/or extension of the Bentley Redline generated redline file that the Redline On tool searches for.Defaults to <ActiveFileName>.rdl in the same directory as the active DGN file.(RDL_DIR)
DWGRDL_DIR	Defines that location and/or file name appendage of the Bentley Redline generated DWG redline file that the Redline On tool searches for.Defaults to <ActiveFileName>_redline.dwg in the same directory as the active DWG file.(DWGRDL_DIR)
MS_FILTER_LIB_DIR	Directory containing filter data files.(MS_FILTER_LIB_DIR)
MS_LINFILELIST	Directory containing LIN linestyle files.These styles will be copied into the DGN file as needed.(MS_LINFILELIST)
_USTN_SYSTEMDGNLIBLIST	List of DGN files which are required system resources.(_USTN_SYSTYEMDGNLIBLIST)

Printing Category

Cfg Var Name	*Long Description*
MS_PLTCFG_PATH	MS_PLTCFG_PATH specifies the search path for printer driver configuration (.pltcfg or .plt) files.This path is also used to locate related files such as PostScript prolog files.
MS_DEFAULT_PLTCFG_FILE	If MS_DEFAULT_PLTCFG_FILE is set to a printer driver configuration filename, that file (instead of the most recently used one) is selected when you open the Print dialog box. The value of this variable may be either a .pltcfg or .plt file.
MS_PLT_SYSPRT_PLTFILE (MS_PLT_SYSPRT_PLTFILE)	If this variable is set to a fully-qualified printer driver configuration filename, then that file is used when Windows Printer is selected in the Print dialog box.
MS_PLT_SYSPRT_DEFAULT_PRINTER MS_PLT_SYSPRT_DEFAULT_PRINTER	allows you to specify the printer name that is selected when a default system printer is opened.
MS_PLT_SYSPRT_DEFAULT_FORM MS_PLT_SYSPRT_DEFAULT_FORM	allows you to specify the form name that is selected when a default system printer is opened.
MS_PLT_SYSPRT_DEFAULT_TRAY MS_PLT_SYSPRT_DEFAULT_TRAY	allows you to specify the tray name that is selected when a default system printer is opened.
MS_PLTFILES	MS_PLTFILES specifies the output directory for print files. If this variable is undefined, the default is the most-recently-used output directory.

MS_PRINTDEF_PATH	MS_PRINTDEF_PATH specifies the search path for saved MicroStation printdefinition (.pset and .ini) files.
MS_PENTABLE	Search path for pen tables. (MS_PENTABLE)
MS_PLT_PREVIEW_USABLEAREACOLOR MS_PLT_PREVIEW_USABLEAREACOLOR	specifies the color of the usable area rectangle in the preview window. If zero, the rectangle is not drawn. For legal values, see the description for MS_PENTABLE_DISABLECOLOR.
MS_PLT_PREVIEW_PLOTBOXCOLOR MS_PLT_PREVIEW_PLOTBOXCOLOR	specifies the color of the print bounding box rectangle in the preview window. If zero, the rectangle is not drawn. For legal values, see the description for MS_PENTABLE_DISABLECOLOR.
MS_PLT_PREVIEW_PLOTFENCECOLOR MS_PLT_PREVIEW_PLOTFENCECOLOR	specifies the color of the print fence shape in the preview window. If zero, the shape is not drawn. For legal values, see the description for MS_PENTABLE_DISABLECOLOR.
MS_PLTDLG_UNLOADONCLOSE	Controls whether the print dialog is unloaded when its window is closed. If '1' or undefined, the print dialog application unloads itself when its dialog is closed, and all settings revert to their defaults when the dialog is reopened.If this variable is set to '0', the application remains loaded after the window is closed, and certain settings are retained when the print dialog is reopened.For consistent behavior of the print dialog, it's recommended that this variable be undefined.Note that selecting File->Exit from the print dialog menu always unloads the application. (MS_PLTDLG_UNLOADONCLOSE)
MS_PLTDLG_CLOSE_AFTER_PLOT	If MS_PLTDLG_CLOSE_AFTER_PLOT is set to '1', the print dialog closes itself automatically after a plot job is successfully performed.By default, the print dialog remains displayed after a plot.
MS_PLT_ENABLE_SCALE_CLIPPING	If MS_PLT_ENABLE_SCALE_CLIPPING is set to '0', the plot dialog does not reduce the plot fence or sheet size in order to accommodate the user-or-sheet-specified scale factor.
MS_PLT_ENABLE_PRESERVE_SCALE	If MS_PLT_ENABLE_PRESERVE_SCALE is set to '0', the plot dialog does not attempt to preserve the current plot scale when a new view, fence, or paper size is selected.
MS_PLT_ENABLE_AUTO_ROTATE	If MS_PLT_ENABLE_AUTO_ROTATE is set to '0', the print dialog does not automatically change the plot rotation in order to achieve a best fit. This variable only applies to Bentley plotter drivers.
MS_PLT_ENABLE_AUTO_ORIENT	If MS_PLT_ENABLE_AUTO_ORIENT is set to '0', the print dialog does not automatically change the paper orientation in order to achieve a best fit. This variable only applies to system printers.
MS_PLT_AREA_PRIORITY	If MS_PLT_AREA_PRIORITY is set to '1', sheet definitions in the model take priority over the active fence.New fences are ignored when the print area mode is sheet.This is the default setting. If this variable is set to '2', the active fence takes priority over sheet definitions.
MS_PLT_FORM_SCALE_PRIORITY	If MS_PLT_FORM_SCALE_PRIORITY is set to '1', the default form scale specified in the printer driver configuration is re-applied whenever the paper size changes.By default, the current print scale is preserved.
MS_PLT_SET_LAYOUT_FROM_SHEET	If MS_PLT_SET_LAYOUT_FROM_SHEET is set to '0', the print dialog layout is not automatically set when a sheet definition is loaded (and the current print mode is sheet).By default, the sheet layout information is honored.

MS_PLT_SET_PLOT_STYLE_TABLE_FROM_SHEET	By default, any plot style table specified in the sheet definition is automatically attached to the plot.If MS_PLT_SET_PLOT_STYLE_TABLE_FROM_SHEET=0, sheet plot style tables are ignored.
MS_PLT_MAX_ON_NEW_AREA	If MS_PLT_MAX_ON_NEW_AREA is set to '1', the print size is automatically maximized when the print area is changed.This includes when a view number is selected or a fence is placed. By default, the current print scale is preserved.
MS_PLT_AUTO_FIT_VIEW	If MS_PLT_AUTO_FIT_VIEW is set to '1' or '2', the print dialog automatically sets the print area mode to 'Fence' when first invoked.A value of '1' constructs a fence that encompasses all the elements in the master file. A value of '2' constructs a fence that encompasses all the elements in the master file and all its references. If an active fence or sheet is defined when the print dialog is invoked, this configuration variable is ignored.
MS_PLTDLG_SHOW_BASIC_LAYOUT_CONTROLS	If MS_PLTDLG_SHOW_BASIC_LAYOUT_CONTROLS is set to '1', the print dialog arbitrary plot rotation and mirror controls are hidden.The orthogonal plot rotation option button is displayed instead.
MS_PLTDLG_ALLOW_FORM_SIZE_EDIT	If MS_PLTDLG_ALLOW_FORM_SIZE_EDIT is set to '1', the size of the selected form may be modified via the print dialog.This setting is not valid for system printers.
MS_PLT_SHOW_PRINT_STATUS	If MS_PLT_SHOW_PRINT_STATUS is set to '1', the print dialog displays a modeless status / progress / cancel dialog during a print job. This is the default behavior. If this variable is set to '0', the print status dialog is not displayed.
MS_PLT_THUMBNAIL_PREVIEW_TIMEOUT	If MS_PLT_THUMBNAIL_PREVIEW_TIMEOUT is set to a value greater than zero, it specifies the maximum number of seconds to spend updating the print dialog thumbnail preview. The default is 10 seconds.
MS_PLTDLG_SHOW_ACCURATE_PREVIEW_ROTATION	If MS_PLTDLG_SHOW_ACCURATE_PREVIEW_ROTATION is set to '0', preview always shows the plot as if it had no rotation.The paper orientation display may be swapped to accomplish this.This setting is only meaningful for Bentley printer drivers when the plot rotation is 90 or 270 degrees.
MS_PLT_SET_UNITS_FROM_SHEET	If MS_PLT_SET_UNITS_FROM_SHEET is set to '0', the print dialog units are not automatically set from the sheet definition when the current print mode is sheet.
MS_PLTDLG_KEEPVIEWFLAGSONFENCECHANGE	When a new fence is placed, the print dialog obtains new view information from the view the fence was placed in, and resets the print attributes if t new fence view is different than the current print view.However, if MS_PLTDLG_KEEPVIEWFLAGSONFENCECHANGE is set, the print dialog will always reserve current print attributes.
MS_PLOTDLG_DEF_PENTABLE	Defines a default pen table that is loaded when you open the Print dialog box. (MS_PLOTDLG_DEF_PENTABLE)
MS_PLTDLG_SETUPSYSPRT_ENABLE_PRINT	
MS_PLTDLG_SETUPSYSPRT_ENABLE_PRINT	can be used to control the print behavior of the 'Configure Windows Printer' icon on the print dialog. By default, the print button on the Windows Print dialog in this mode saves printer driver changes without submitting a plot.If this variable is set to '1', the print button will submit a plot (original MicroStation V8 behavior).
MS_PLTDLG_ENABLE_SAVE_CONFIG	If MS_PLTDLG_ENABLE_SAVE_CONFIG is set to '0', the print dialog save configuration menu items are disabled.

MS_PLTDLG_DISABLE_PREFERENCES_DIALOG If MS_PLTDLG_DISABLE_PREFERENCES_DIALOG is set to '1', the print dialog preferences item is not displayed in the Settings menu.

MS_PLT_SCALE_METHOD The MS_PLT_SCALE_METHOD determines how the print scale is displayed in the print dialog.This variable overrides the corresponding user preference.The following values are recognized: '1': the scale display is paper-to-design format (default). '2': the scale display is design-to-paper format.

If this variable is not defined, the user preference controls the scale method.This variable also controls the appearance of MS_PLTSCALE_SHORT.

MS_PENTABLE_IMPORTEMPTYSECTIONS By default, during AutoCAD plot style table import, pen table sections which have no effect (the settings are default) are ignored. Setting this variable to 1 will cause empty sections to be created. (MS_PENTABLE_IMPORTEMPTYSECTIONS)

MS_PENTABLE_DISABLECOLOR A disabled section in a pentable is shown in medium gray by default. You can modify the disabled color by setting this configuration variable to one of these numbers: blue=1; red=4; magenta=5; light-gray=8; medium-gray=10; turquoise=13; dark-green=14; maroon=15; dark-yellow=17. (MS_PENTABLE_DISABLECOLOR)

MS_PENTABLE_SLOTNUM_MATCH_APPLIES_TO_CHILD By default, a pen table reference slot number match applies to both a parent reference and its children. If
MS_PENTABLE_SLOTNUM_MATCH_APPLIES_TO_CHILD is set to 0, then the slot number match applies only to the parent reference.

MS_PENTABLE_SEARCH_LEVEL_LIBRARIES If MS_PENTABLE_SEARCH_LEVEL_LIBRARIES is set to 0, level libraries are not included when searching for level names defined in the pen table.By default, level libraries are included, which may cause a delay when loading the pen table.

MS_PENTABLE_IMPORTCTB_NOPENMAP By default, the pen table creates printer driver pen maps when importing CTB files.This permits proper color-to-width resymbolization of multi-colored elements.The legacy, element-output-action-based behavior may be restored by setting the MS_PENTABLE_IMPORTCTB_NOPENMAP configuration variable.

MS_PLTFILE_EDITOR Fully qualified name of a text editor to use when the print dialog's 'File / Edit Printer Driver Configuration' menu item is activated. For example, set the value to 'notepad.exe' (without the quote marks) to use the Windows notepad text editor.If this variable is not defined, the print dialog automatically chooses the correct editor based on the printer driver configuration file format. Legacy .plt files are edited using notepad, while .pltcfg files are edited using the built-in MicroStation Printer Driver Configuration Editor. There are two reserved values for this variable:

'HIDE_MENU_ITEM': Removes the Edit and Reload Printer Driver Configuration menu items from the print dialog's file menu.

'MicroStation': Always use the built-in MicroStation Printer Driver Configuration Editor.

MS_PLNONAME If set, the RTL/PCL drivers will not insert the DGN name in the output file. Adding the DGN name should allow a printer to display the name in its front panel window, etc.
but setting this variable will allow the feature to be disabled, since some printers cannot handle it. (MS_PLNONAME)

MS_PLT_INVERT_WHITE_COLORS The MS_PLT_INVERT_WHITE_COLORS variable allows you to override the colors that are automatically inverted from white to black if necessary.If this variable is not defined, the default inverted color numbers are 0 and/or 7, depending on the drawing file format and color table.The syntax for this value is the same as a level number list, with range 0-254.

MS_PLT_ABBREVIATE_BORDER_FILENAME By default, filenames included in the plot border text are abbreviated. If MS_PLT_ABBREVIATE_BORDER_FILENAME is set to '0', the filenames are not abbreviated.

MS_PLT_AUTOAREA_RESULT_LIMIT MS_PLT_AUTOAREA_RESULT_LIMIT defines the maximum number of print definitions to be created when searching for multiple shapes or cells.The default limit is 500.

MS_PLT_UPDATE_FIELDS	Controls when fields are updated prior to printing or previewing. If set to 0 or undefined, fields are not updated prior to either printing or previewing. If set to 1, fields are updated prior to printing. If set to 2, fields are updated prior to both printing and previewing. (MS_PLT_UPDATE_FIELDS)
MS_PLT_ENGINE_CMDLINE_ARGS	Specifies custom command line arguments used by Print Organizer when invoking its background MicroStation process. If this variable is undefined and MS_CONFIG is defined, then the background process is invoked with the command line argument -wc"$(MS_CONFIG)" (MS_PLT_ENGINE_CMDLINE_ARGS)

Cell Category

Cfg Var Name	*Long Description*
MS_DETAILINGSYMBOLS_CELLLIST	List of cell library files to be searched for cells used as callout-heads in detailing symbols. By default, cells in ustation.dgnlib are used. (MS_DETAILINGSYMBOLS_CELLLIST)
MS_CELL	Search path(s) for cell libraries.(MS_CELL)
MS_CELLLIST	List of cell library files to be searched for cells if not found in the current library.May contain wildcards.(MS_CELLLIST)
MS_CELLSELECTORDIR	Directory for Cell Selector button configuration (.csf) files. (MS_CELLSELECTORDIR)
MS_CELLSELECTOR	Default Cell Selector button configuration file. (MS_CELLSELECTOR)
MS_CELLOUT	Default directory when creating new cell libraries. (MS_CELLOUT)
MS_MENU	Cell library name for finding menu cells.(MS_MENU)
MS_RESOLVESCNAMECONFLICTS	Controls how shared cell name conflicts are handled for operations like reference merge: 0: no resolution, use shared cell definition from destination 1: resolve name conflicts on DWG shared cell instances (default) 2: resolve name conflicts for all non-anonymous shared cells

User Command Category (Unsupported)

Cfg Var Name	*Long Description*
MS_UCM	Search path(s) for user commands.(MS_UCM)

MS_INIT	Name of a user command to be executed at startup.(MS_INIT)
MS_EXIT	Name of a user command to be executed at exit.(MS_EXIT)
MS_NEWFILE	Name of a user command to be executed when a new design file is opened.(MS_NEWFILE)
MS_APP	Search path(s) of applications started from 'TSK' statement in user commands.(MS_APP)

Seed Category

Cfg Var Name	*Long Description*
MS_PLANVIEWSEEDNAME	Name of seed view for creating plan views. (MS_PLANVIEWSEEDNAME)
MS_ELEVATIONVIEWSEEDNAME	Name of seed view for creating elevation views. (MS_ELEVATIONVIEWSEEDNAME)
MS_DETAILVIEWSEEDNAME	Name of seed view for creating detail views. (MS_DETAILVIEWSEEDNAME)
MS_SECTIONVIEWSEEDNAME	Name of seed view for creating section views. (MS_SECTIONVIEWSEEDNAME)
MS_VIEWSEEDFILE	Name of seed file for creating views. By default, seed views in ustation.dgnlib are used. (MS_VIEWSEEDFILE)
MS_VIEWGROUPSEED	Name of file containing seed view group for models without a view group. (MS_VIEWGROUPSEED)
MS_VIEWGROUPSEEDNAME	Name of seed view group for models without a view group. (MS_VIEWGROUPSEEDNAME)
MS_DWGSEED	Name of seed file used to create DWG file. (MS_DWGSEED)
MS_DWGSEED_OVERRIDE	Controls how a DWG seed file can be used to save DWG files: 0 = Allows seed file to be changed in DWG Save As Options dialog box; 1 = MS_TRANSEED overrides user settings, always; 2 = MS_TRANSEED overrides user settings, only at start up of MicroStation.(MS_DWGSEED_OVERRIDE)
MS_SEEDFILES	Search path(s) for all seed files.(MS_SEEDFILES)
MS_DESIGNSEED	Default seed file for creating design files.(MS_DESIGNSEED)
MS_TRANSEED	Default seed file used for DWG, CGM, and IGES translations.(MS_TRANSEED)
MS_TRANSEED_OVERRIDE	Controls how a DGN seed file can be used to open DWG files: 0 = Allows seed file to be changed in DWG Open Options dialog box; 1 = MS_TRANSEED overrides user settings, always; 2 = MS_TRANSEED overrides user settings, only at start up of MicroStation.(MS_TRANSEED_OVERRIDE)

MS_CELL_SEEDFILE	Seed file used when creating or upgrading cell libraries.(MS_CELL_SEEDFILE)
MS_SHEETSEED	Seed file used when creating drawing sheets.(MS_SHEETSEED)
MS_DOCKINGPREFSEED	Path of an XML file for default dialog docking preferences. (MS_DOCKINGPREFSEED)
MS_USERPREFSEED	Name of seed file used to create user preference resource file. (MS_USERPREFSEED)
MS_DRAWINGMODELSEED	Name of file containing seed model for new drawing models. (MS_DRAWINGMODELSEED)
MS_DRAWINGMODELSEEDNAME	Name of seed model for new drawing models. (MS_DRAWINGMODELSEEDNAME)
MS_DESIGNMODELSEED	Name of file containing seed model for new design models. (MS_DESIGNMODELSEED)
MS_DESIGNMODELSEEDNAME	Name of seed model for new design models. (MS_DESIGNMODELSEEDNAME)
MS_SHEETMODELSEED	Name of file containing seed model for new sheet models. (MS_SHEETMODELSEED)
MS_SHEETMODELSEEDNAME	Name of seed model for new sheet models. (MS_SHEETMODELSEEDNAME)
MS_DWGSHEETMODELSEED	Name of file containing seed model for new sheet models in DWG files. (MS_DWGSHEETMODELSEED)
MS_DWGSHEETMODELSEEDNAME	Name of seed model for new sheet models in DWG files. (MS_DWGSHEETMODELSEEDNAME)

Temp/Backup Category

Cfg Var Name	*Long Description*
MS_DWG_BACKUP	Directory for DWG backup (.bak) files.If not set they will be placed in the same directory as the DWG file (MS_DWG_BACKUP)
MS_NO_DWG_BACKUP	If set, .bak files will not be created when a DWG or DXF file is edited (MS_NO_DWG_BACKUP)
MS_BACKUP	Default directory for backup files.(MS_BACKUP)
MS_TMP	Directory containing temporary files that are created and deleted.(MS_TMP)
MS_SCR	Directory for scratch files.(MS_SCR)

Colors Category

Cfg Var Name	*Long Description*
MS_DEFCTBL	Default color table if the design file has none.(MS_DEFCTBL)
MS_RMENCTBL	Default menu colors (dialogs, dialog borders, etc.) for the right screen.File specification pointing to a color table (.tbl) file (MS_RMENCTBL)
MS_LMENCTBL	Default menu colors (dialogs, dialog borders, etc.) for the left screen.File specification pointing to a color table (.tbl) file (MS_LMENCTBL)
MS_COLORBOOK_LIBRARIES	List of of DGN files that are used as a source for color books (MS_COLORBOOK_LIBRARIES)
MS_SYSTEM_COLORBOOKS	Directory containing system color books (delivered with MicroStation). (MS_SYSTEM_COLORBOOKS)

Symbology Category

Cfg Var Name	*Long Description*
MS_FONTPATH	Path or list of paths that contain RSC, SHX, or TrueType font files. (MS_FONTPATH)
MS_SYMBRSRC	A list of symbology resource files.Files are opened in the order they appear in the list.The last one in the list has the highest priority. If undefined, in the current resource path is searched for a file called "mssymb.rsc".(MS_SYMBRSRC)

System Operation Category

Cfg Var Name	*Long Description*
MS_COMPRESS_OPTIONS	Set the values for individual items by alias.To turn an item on, precede the alias with a +.To turn an item off, precede the alias with a -.For example, +TEXTSTYLES;-LEVELS will delete unused text styles but leave unused levels.The special aliases ALL and DEFAULT can be used here.+DEFAULT means that any items not in the list should default to on; -DEFAULT means that any items not in this list should default to off.If this variable is set, it will override user preferences.(MS_COMPRESS_OPTIONS)
MS_AUTORESTORESTATUSBAR	If set to 1, the status bar will restore its default appearance whenever the mouse enters it. (MS_AUTORESTORESTATUSBAR)
MS_FKEYMNU	Function key menu file.(MS_FKEYMNU)
MS_ACCUDRAWKEYS	Text file listing AccuDraw shortcut keys.(MS_ACCUDRAWKEYS)
MS_SAVEMENU	File where MicroStation stores information about attached menus. In previous versions this file name was hard-coded to "mgds.men". (MS_SAVEMENU)
MS_APPMEN	Location of application and sidebar menus.(MS_APPMEN)
MS_WORKSPACEOPTS	If set to 0 (default), the workspace options are displayed on the File Open dialog box. If set to 1, the workspace options are displayed but disabled.If set to 2, the workspace options are hidden and the dialog box is resized. (MS_WORKSPACEOPTS)
MS_USECOMMANDWINDOW	If set to 0, MicroStation will be locked in the status bar interface. If set to 1, MicroStation will be locked in the command window interface. (MS_USECOMMANDWINDOW)
MS_MAINMENUDOCKINGBESIDE	If set to a non-zero value, tool boxes and dockable dialogs may be docked alongside the main menu bar. If not set (default) or set to 0, MicroStation's main menu bar spans the entire width of the application window.
MS_FILEHISTORY	If set equal to 1, save the last several files and directories for each file type. If set equal to 0, no file histories will be maintained.(MS_FILEHISTORY)
MS_READONLY	If set, design file will be read only. (MS_READONLY)
MS_WORKMODE	Work mode activates/disables certain functions in order to produce a more compatible design file at the end.Setting this variable to DWG will disable some creation tools that may result in elements to be incompatible to DWG file format.Similarly setting it to V7 will restrict creation tools for pre-V8 file compatibility.Setting the variable to DGN (default) will gain full functional capacity creating elements.Must restart MicroStation to take effect of a changed value.(MS_WORKMODE)
MS_IMMEDIATEUPDATE	If set to 1, windows will update immediately when other windows are moved or resized over them.(MS_IMMEDIATEUPDATE)
MS_OPENV7	Controls the behavior when opening V7 format files: 0: open with alert dialog (default)

	1: upgrade V7 to V8, no alert dialog 2: open V7 as read-only, no alert dialog 3: open V7 for read/write and set workmode to V7, no alert dialog (MS_OPENV7)
MS_DISABLE_FILE_ICONS	When turned on, this configuration variable will disable the file open icons in the File Open dialogs. (MS_DISABLE_FILE_ICONS)
MS_SOURCENAME_PROPERTY	When new files are created, the SOURCE file property (as viewed from Windows Explorer) can be set to the name of the source file (e.g. the seed file).By default, just the name and extension of the source file are saved.Set this variable to 0 to disable the SOURCE property. Set this variable to FULL to save the full file path of the source file.
MS_DISABLE_FILE_THUMBNAIL	When turned on, this configuration variable will disable the file preview thumbnail images in the File Open dialogs. (MS_DISABLE_FILE_THUMBNAIL)
MS_IDLETIMEOUT	If defined, specifies the number of minutes of inactivity to wait before exiting MicroStation.Minimum value is 30 minutes. A value of 0 means never exit, even when idle.
MS_POPUPDIALOGCLOSEDELAY	Specifies the amount of time to wait before closing a popup dialog (Eg. the dialogs launched from the Primary toolbox).The value, specified in 1/60 second increments, should be a number between 0 (very little delay) and 120 (2 seconds).The default is 30 (1/2 second).
MS_FULLPATHINTITLEBAR	When turned on, the full path of the current Design File is displayed in the main title bar.
MS_NO_VIEW_ANIMATION	When turned on, the animation of view tile and cascade is disabled.
MS_LIBRARY_SAVEDVIEW_FILTER	Specifies a set of saved views to exclude from the user interface. The filter is applied only to views found in libraries.For filter syntax see theMicroStation help topic 'Defining and Deleting Filters' for string expressions.(MS_LIBRARY_SAVEDVIEW_FILTER)

Rendering/Image Category

Cfg Var Name	*Long Description*
MS_LOCAL_MATERIALS	If set to 1, rendering materials and their associated assignment tables are copied into the design file rather than using external files. Local material support is new in MicroStation V8i (SELECTseries 2) and is not supported by earlier versions (MS_LOCAL_MATERIALS).
MS_MTBL	Search path(s) for material tables.(MS_MTBL)
MS_MATERIAL	Search path(s) for material palettes.(MS_MATERIAL)
MS_PATTERN	Search path(s) for pattern maps.(MS_PATTERN)
MS_BUMP	Search path(s) for bump maps.(MS_BUMP)
MS_IMAGE	Search path(s) for images.(MS_IMAGE)

MS_IMAGEOUT	Directory where created images will be stored. (MS_IMAGEOUT)
MS_SHADOWMAP	Directory where shadow maps will be read from and written to. (MS_SHADOWMAP)
MS_LIGHTING	Directory where IES lighting data will be read from. (MS_LIGHTING)
MS_LIGHTLIST	List of design files containing light sources to be used as templates when placing lights. All lights found in these files can be selected from the drop-down next to the light name in the Define Light tool. (MS_LIGHTLIST)
MS_RENDERLOG	File name for recording rendering statistics. (MS_RENDERLOG)
MS_PTDIR	Working directory for temporary Particle Tracing files. (MS_PTDIR)
MS_SHARED_DR_DIR	Working directory for shared rendering files, including Particle Tracing and Radiosity files. (MS_SHARED_DR_DIR)
MS_IMAGE_EDITOR	Default program to be used to edit an image file. This program is activated by double-clicking in the preview area of the Map Editor dialog. (MS_IMAGE_EDITOR)
MS_MATERIAL_PREVIEW_BACKGROUND	Image to be used for the background of material previews in the Material Editor. (MS_MATERIAL_PREVIEW_BACKGROUND)
MS_FILTEREDCODECS	Codecs that should not be shown in the list of available AVI codecs when exporting a movie from animator. (MS_FILTEREDCODECS)
MS_RENDERV7MATERIALS	If set to 1, materials are rendered as they were in V7. Most affected are translucency, transparency, specularity, and diffuse as applied to pattern maps. (MS_RENDERV7MATERIALS)
MS_DISABLE_RPCBROWSER	If set to 1, the RPC Thumbnail Browser will be disabled. (MS_DISABLE_RPCBROWSER)

Database Category

Cfg Var Name	*Long Description*
MS_UDLDIR	Path to the directory storing the Universal Data Link files.(MS_UDLDIR)
MS_ORACLE_HOME	Path to the Oracle client files required for connecting to the database server.If this variable is not set MicroStation will look at the system registry and path to determine the Oracle Home directory.(MS_ORACLE_HOME)
MS_DBASE	Search Path(s) for database files.(MS_DBASE)
MS_SERVER	MDL application to load the database server.(MS_SERVER)
MS_DBEXT	The database server application.(MS_DBEXT)

MS_LINKTYPE	WARNING: This configuration variable is reset by the database configuration files.Changes should be made in the BUDBC.cfg, the ODBC.cfg, the OLEDB.cfg, or the Oracle.cfg files.The variable is the User data linkage types recognized by the server.The first one listed is the linkage type that will be created. Possible values are "BUDBC", "DMRS", "ORACLE", "OLEDB", and "ODBC". (MS_LINKTYPE)

Data Files Category

Cfg Var Name	*Long Description*
MS_CUSTOMSHEETSIZEDEF	Defines the location of the sheet sizes definition file that can be used when creating sheet models.(MS_CUSTOMSHEETSIZEDEF)
MS_CUSTOMSCALEDEF	Defines the location of the scales definition file that can be used when creating models.(MS_CUSTOMSCALEDEF)
MS_CUSTOMUNITDEF	Defines the location of the unit definition file that can be used when upgrading pre-V8 files to V8 DGN files.(MS_CUSTOMUNITDEF)
MS_HTMLDGNDIR	Directory containing template design files used by the HTML Author to generate cell images for HTML documents.(MS_HTMLDGNDIR)
MS_WMS_SERVERS_SEED	Used to create a new MS_WMS_SERVERS file if the MS_WMS_SERVERS file does not already exist.(MS_WMS_SERVERS_SEED)
MS_WMS_SERVERS	Provides the list of servers for the Web Map Service dialogs.(MS_WMS_SERVERS)
MS_DATETIMEFORMATS	Provides the list of formats available from the Fields editor for Date/Time fields.(MS_DATETIMEFORMATS)
MS_SETTINGS	Current settings resource file.(MS_SETTINGS)
MS_SETTINGSOUTDIR	Directory used to create settings resource files.(MS_SETTINGSOUTDIR)
MS_SETTINGSDIR	Directory containing settings resource files.(MS_SETTINGSDIR)
MS_REMAP_CSVFILE (MS_REMAP_CSVFILE)	If this configuration variable points to a remapping comma separated value (CSV) file, the remap filter defaults to that file for the remapping during the Save As operation.
MS_BSILOG_CONFIG_FILE	Location of the file that controls and configures diagnostic logging. The default is $(MS_DATA)BSILOG.CONFIG.XML. (MS_BSILOG_CONFIG_FILE)
MS_BSILOG_ENABLE	Enable logging of diagnostic messages. The default is 0. (MS_BSILOG_ENABLE)

BASIC Development Category

Cfg Var Name	*Long Description*

MDL Development Category

Cfg Var Name	*Long Description*
MS_RDE_SYSINC (MS_RDE_SYSINC)	Specifies text to be inserted at the beginning of the command line by the resource compiler DLM. This is generally used to specify where to search for include files.
MS_DBGSOURCE	Used by the debuggers to find source code for JMDL classes and MDL applications.(MS_DBGSOURCE)
MS_MDLTRACE	If set to 1, additional debugging print statements will be provided when debugging MDL applications.(MS_MDLTRACE)
MS_DEBUGFAULT	If set to 1, automatically invoke the debugger when a fault is detected while an MDL application is active.This works regardless of whether or not the application's debug information was previously loaded.(MS_DEBUGFAULT)
MS_DEBUG	If set to an integer with bit 1 on, do not time out.(MS_DEBUG)
MS_TRAP	Exception handling flag.Set to "NONE", "MDL", or "ALL"; Default = "ALL".(MS_TRAP)

DGNAPPS Category

Cfg Var Name	*Long Description*
MS_DGNAPPS	List of all design file MDL Applications. (MS_DGNAPPS)

Command Table Load Category

Cfg Var Name	*Long Description*
MS_CMDTABLE_LOAD	List of MDL Applications that will have their key-in tables auto-loaded. (MS_CMDTABLE_LOAD)

DWG/DXF Search Path

Cfg Var Name	*Long Description*
MS_DWG_COMMANDPREFIX	Defines prefix for keyins that specify DWG commands
MS_DWG_PGPFILE	PGP files contain aliases for DWG commands.If no directory is specified, the AutoCAD support directory is used. (MS_DWG_PGPFILE)
MS_DWGSETTINGSFILE	File containing Settings for opening and saving DWG FILES. (MS_DWGSETTINGSFILE)
MS_DWGSYSTEMDATA	Directory that can be used to override local directory as a source for DWG settings files.(MS_DWGSYSTEMDATA)
MS_DWGDATA	Local directory to store DWG settings files.(MS_DWGDATA)
MS_BLOCKLIST	List of DWG/DXF files to be searched for AutoCAD blocks.(MS_BLOCKLIST)
MS_DWGFONTPATH	Path or list of paths that contain AutoCAD SHX fonts. (MS_DWGFONTPATH)
MS_ACADDIR	Directory containing AutoCAD. This is used to find the DWG support files such as fonts (See MS_DWGFONTPATH). (MS_ACADDIR)

MS_DWG_FIELD_2005FORMATTING If defined and set to 1, MicroStation will only generate field information that AutoCAD 2005 supports. It may remove information used by newer file formats. If not defined or set to a value other than 1, MicroStation may generate fields that AutoCAD 2005 does not support. (MS_DWG_FIELD_2005FORMATTING)

CGM-Translation Category

Cfg Var Name	*Long Description*
MS_CGMIN	Input directory for CGM translations.(MS_CGMIN)
MS_CGMOUT	Output directory for CGM translations.(MS_CGMOUT)
MS_CGMLOG	Output directory for CGM log files.(MS_CGMLOG)
MS_CGMTABLES	Directory containing the CGM translation tables.(MS_CGMTABLES)
MS_CGMINSET	Settings file for the CGMIN application.(MS_CGMINSET)
MS_CGMOUTSET	Settings file for the CGMOUT application.(MS_CGMOUTSET)

IGES-Translation Category

Cfg Var Name	*Long Description*
MS_IGESIN	Input directory for IGES translations.(MS_IGESIN)
MS_IGESOUT	Output directory for IGES translations.(MS_IGESOUT)
MS_IGESLOG	Output directory for IGES log files.(MS_IGESLOG)
MS_IGESINSET	Settings file for the IGESIN application.(MS_IGESINSET)
MS_IGESOUTSET	Settings file for the IGESOUT application.(MS_IGESOUTSET)

Workspace Category

Cfg Var Name	*Long Description*
_USTN_PROJECTCFG	Name of project configuration file. (_USTN_PROJECTCFG)
_USTN_PROJECTDESCR	Description of current project configuration. (_USTN_PROJECTDESCR)
MS_USERPREF	Name of user preference resource file. (MS_USERPREF)
_USTN_UIPATH	Search path for user interface modification resources. (_USTN_UIPATH)

Tags Category

Cfg Var Name	*Long Description*
MS_TAGOUTPUT	Output directory for general tags data.(MS_TAGOUTPUT)
MS_TAGREPORTS	Output directory for tag data manager reports.(MS_TAGREPORTS)
MS_TAGTEMPLATES	Directory containing tag data manager report templates.(MS_TAGTEMPLATES)

Archive Category

Cfg Var Name	*Long Description*
MS_ARCHIVE	Search path(s) for Archive Files. (MS_ARCHIVE)
MS_ARCHIVECLASS	Search path(s) for Archive Class Files. (MS_ARCHIVECLASS)
MS_KEYPAIRLIST	Digital Signature KeyPair file list. (MS_KEYPAIRLIST)

File Locking Category

Cfg Var Name	*Long Description*

OLE Server Category

Cfg Var Name	*Long Description*
MS_OLESERVE_EMBED_REFFILES	If set - References will be embedded along with the main dgn file. (MS_OLESERVE_EMBED_REFFILES)

Engineering Links Category

Cfg Var Name	*Long Description*
MS_WEBLIB_HISTORY	Specifies the history file for the Weblib shared library. (MS_WEBLIB_HISTORY)
MS_BOOKMARKS_IMAGE	Specifies the bookmark file for remote images. (MS_BOOKMARKS_IMAGE)
MS_BOOKMARKS_RSC	Specifies the bookmark file for remote resource files. (MS_BOOKMARKS_RSC)
MS_BOOKMARKS_ARCHIVE	Specifies the bookmark file for remote archives. (MS_BOOKMARKS_ARCHIVE)
MS_BOOKMARKS_CELL	Specifies the bookmark file for remote cell libraries. (MS_BOOKMARKS_CELL)
MS_BOOKMARKS_DGN	Specifies the bookmark file for remote design files. (MS_BOOKMARKS_DGN)
MS_REFAGENTDATA	Specifies a file containing URL information for the Reference Agent. (MS_REFAGENTDATA)
MS_WEBKIOSKMODE	Set to 1 for Kiosk mode. (MS_WEBKIOSKMODE)
MS_WEBTYPESFILE	Specifies a file containing special handling instructions for various file types. (MS_WEBTYPESFILE)
MS_WEBFILES_DIR	Specifies the directory in which copies of remote files are stored. (MS_WEBFILES_DIR)
MS_WEBDOWNLOADDIR	Sets the directory in which WWW downloads are stored. (MS_WEBDOWNLOADDIR)

MS_BROWSERMAKECHILDWINDOW When set to 1, the current browser is reparented inside of the MicroStation main window, allowing the viewer to always be seen. (MS_BROWSERMAKECHILDWINDOW)

MS_USEEXTERNALBROWSER Set to Netscape or IExplore in order to use an external browser. (MS_USEEXTERNALBROWSER)

Step-Translation Category

Cfg Var Name	*Long Description*
MS_STEPOUT	Output directory for Step translations.(MS_STEPOUT)
MS_STEPLOG	Output directory for Step log files.(MS_STEPLOG)
MS_ROSEDB	Rose database directory.(MS_ROSEDB)

Visual Basic for Applications Category

Cfg Var Name	*Long Description*
MS_VBASAVEONRUN	If set to 1, MicroStation automatically saves modified VBA projects every time it starts running a VBA program.(MS_VBASAVEONRUN)
MS_VBAAUTOLOADPROJECTS	Names of the projects that are opened when the VBA dialog box is opened.(MS_VBAAUTOLOADPROJECTS)
MS_VBASEARCHDIRECTORIES	Directories that are searched when opening an existing VBA project. (MS_VBASEARCHDIRECTORIES)

MS_VBANEWPROJECTDIRECTORY Directory that is used when a new project is created. (MS_VBANEWPROJECTDIRECTORY)

Spelling Category

Cfg Var Name	*Long Description*
MS_SPELLINGUSERDICTIONARY	Specifies the user dictionary. (MS_SPELLINGUSERDICTIONARY)
MS_SPELLINGLANGUAGE	Specifies the language. Valid languages are as follows: AmericanEnglish BritishEnglish Brazilian (Brazilian Portuguese) Danish Dutch Finnish French German Italian Norwegian Spanish. (MS_SPELLINGLANGUAGE)
MS_SPELLINGDICTIONARYPATH	Specifies the directory to search for core dictionaries. (MS_SPELLINGDICTIONARYPATH)

Unknown Category

Cfg Var Name	*Long Description*
MS_LEVEL_DISPLAY_FORMAT	Specifies the level name formatting to use when level lists are displayed. (MS_LEVEL_DISPLAY_FORMAT) N: Use level name D: Use level description C: Use level code More than one value can be specified. Example: N(C) Default value: N
MS_LEVEL_EDIT_NESTED_ATTACHMENT_LEVELS	If defined, then allow editing of nested attachment levels (MS_LEVEL_EDIT_NESTED_ATTACHMENT_LEVELS)
MS_LEVEL_ALLOW_LIBRARY_LEVEL_EDIT	(MS_LEVEL_ALLOW_LIBRARY_LEVEL_EDIT). Allows the ability to edit library level even when it is not yet used in master-file. If not set, then a library level can be edited only when if it is used - i.e an element is placed on it - which causes the library level to be copied into the master-file. If set then a library level that is not yet copied into the master-file can be edited. On editing, the library level will be copied into the master-file.
MS_LEVEL_LOAD_ATTACHMENT_FILTERS	If defined, then level-filters of reference attachments are loaded. (MS_LEVEL_LOAD_ATTACHMENT_FILTERS)
MS_LEVEL_EDIT_ATTRIBUTE_LIST	This variable controls the list of reference or library level-attributes that can be edited (MS_LEVEL_EDIT_ATTRIBUTE_LIST). The attributes can be one or more of the following as a comma separated list : OverrideSymbology, OverrideColor, OverrideStyle, OverrideWeight, OverrideMaterial, ByLevelSymbology, ByLevelColor, ByLevelStyle, ByLevelWeight, ByLevelMaterial, GlobalDisplay, GlobalFreeze, DisplayPriority, Transparency, Lock, Plot. Each of the above attributes can take a "Reference" or "Library" prefix. Without the prefix, the said attribute will be editable for both reference & library levels.
MS_LEVEL_SYNC_ATTRIBUTE_LIST	Affects the "dgnlib update levels custom" & "reference synchronize levels custom" key-ins (MS_LEVEL_SYNC_ATTRIBUTE_LIST). This variable controls the list of level-attributes that will sync-up when any of the above key-ins are executed. The attributes can be one or more of the following as a comma separated list : OverrideSymbology, OverrideColor, OverrideStyle, OverrideWeight, OverrideMaterial, ByLevelSymbology, ByLevelColor, ByLevelStyle, ByLevelWeight, ByLevelMaterial, GlobalDisplay, GlobalFreeze, DisplayPriority, Transparency, Lock, Plot Each of the above attributes can take a "Reference" or "Library" prefix. Without the prefix, the said attribute will be synchronized for both reference & library levels.
MS_LEVEL_AUTO_SYNC_ATTRIBUTE_LIST	(MS_LEVEL_AUTO_SYNC_ATTRIBUTE_LIST). This variable controls the list of level-attributes that will automatically synchronize when a file is opened. The attributes can be one or more of the following as a comma separated list : OverrideSymbology, OverrideColor, OverrideStyle, OverrideWeight, OverrideMaterial, ByLevelSymbology, ByLevelColor, ByLevelStyle, ByLevelWeight, ByLevelMaterial, GlobalDisplay, GlobalFreeze, DisplayPriority, Transparency, Lock, Plot Each of the above attributes can take a "Reference" or "Library" prefix. Without the prefix, the said attribute will be synchronized for both reference & library levels.

MS_LEVEL_SEED_LEVEL_NAME	If defined, then name of seed level. A new level inherits its properties from the seed level. If not defined, then the default level is the seed level. (MS_LEVEL_SEED_LEVEL_NAME)
MS_LEVEL_CREATE_FROM_SEED_ATTRIBUTE_LIST	This variable controls the list of level attributes that are copied from the seed level (MS_LEVEL_CREATE_FROM_SEED_ATTRIBUTE_LIST). The attributes can be one or more of the following as a comma separated list : OverrideSymbology, OverrideColor, OverrideStyle, OverrideWeight, OverrideMaterial, ByLevelSymbology, ByLevelColor, ByLevelStyle, ByLevelWeight, ByLevelMaterial, GlobalDisplay, GlobalFreeze, DisplayPriority, Transparency, Lock, Plot.
MS_UPDATE_KEEP_UNUSED_LIBRARY_LEVELS	(MS_UPDATE_KEEP_UNUSED_LIBRARY_LEVELS). Controls if unused library levels will be kept or deleted on a "dgnlib update levels" command. If is not set or set to "0" then unused library levels will be deleted on executing a "dgnlib update levels" command. If set to "1" then unused library levels will be kept.If set to "2" then unused library levels will be deleted if their attributes are the same.
MS_LEVEL_PICKER_WIDTH	(MS_LEVEL_PICKER_WIDTH). Specifies the width, in pixels, of the Level Picker in the Attributes toolbox.
MS_REF_REATTACH_LEVEL_SYNC_ATTRIBUTE_LIST	(MS_REF_REATTACH_LEVEL_SYNC_ATTRIBUTE_LIST). This variable controls the list of level-attributes that will sync-up when a reference is reattached. The attributes can be one or more of the following as a comma separated list : OverrideSymbology, OverrideColor, OverrideStyle, OverrideWeight, ByLevelSymbology, ByLevelColor, ByLevelStyle, ByLevelWeight, GlobalDisplay, GlobalFreeze, DisplayPriority, Transparency, Plot
MS_LEVEL_LIB_DIR	Directory containing level data files. (MS_LEVEL_LIB_DIR)
MS_V7TOV8_CSVNAME	CSV File which controls how levels are mapped when a V7 file is converted to V8. (MS_V7TOV8_CSVNAME)
MS_V7_LEVEL_NAME_PREFIX	Prefix to apply to un-named Levels when a V7 file is converted to V8. (MS_V7_LEVEL_NAME_PREFIX)
MS_V7TOV8_DELETE_UNUSED_LEVELS	If set to 1, then all unused levels are deleted when a V7 file is converted to V8. (MS_V7TOV8_DELETE_UNUSED_LEVELS) This variable is ignored if "V7 to V8 Level CSV File (MS_V7TOV8_CSVNAME)" variable is set.

Unknown Category

Cfg Var Name	*Long Description*
MS_DESIGN_HISTORY_COMMIT_ON_SAVE	Specifies if the File>Save (^S) command should commit changes to design history. Possible values: 2 - Save command should quietly commit changes to design history without prompting the user and without a description, 1 - Save command should prompt the user, offering the chance to commit changes to design history with a description, 0 - Save command should save changes to the design file but should not commit to design history or prompt the user. The default is 0 (do not prompt or commit). (MS_DESIGN_HISTORY_COMMIT_ON_SAVE)

MS_DESIGN_HISTORY_COMMIT_ON_CLOSE	Specifies if changes should be committed to design history before closing the file. Possible values: 2 - Close command should quietly commit changes to design history without prompting the user and without a description, 1 - Close command should prompt the user, offering the chance to commit changes to design history with a description. 0 - Close command may save changes in the design file but should not commit changes to design history and should not prompt the user. The default is 0 (do not prompt or commit). (MS_DESIGN_HISTORY_COMMIT_ON_CLOSE)
MS_DESIGN_HISTORY_COMMIT_ON_MODEL_SWITCH	Specifies if switching the active model should commit recent changes to design history. Possible values: 2 - Quietly commit changes to design history without prompting the user and without a description, 1 - Prompt the user, offering the chance to commit changes to design history, 0 - Do not commit to design history or prompt the user. The default is 0 (do not prompt or commit). (MS_DESIGN_HISTORY_COMMIT_ON_MODEL_SWITCH)
MS_DESIGN_HISTORY_OWNERSHIP_WARNING	Specifies if the user should be prompted to confirm when opening a file that contains changes made by another user and not yet committed. Possible values: 1 - Prompt for confirmation before opening the file, 0 - Open the file without prompting for confirmation. The default is 1 (prompt). (MS_DESIGN_HISTORY_OWNERSHIP_WARNING)
MS_DESIGN_HISTORY_COLORS	The symbology to use when identifying changed and unchanged elements. The value must be a list of up to six symbology descriptors, in the following order: added; deleted; changed; pre-changed; conflicts; background. A symbology descriptor is: {color,weight,style,transparency}, where color is a menu color id between 0 and 31, weight is a line weight between 0 and 31, style is a linestyle index between 0 and 7, and transparency is a value between 0 and 255. Use -1 for each aspect of element symbology that should not be changed. For example, {2,3,1,200}; {4,3,1,200}; {1,3,1,200}; {3,3,1,200}; {6,3,1,200}; {-1,-1,-1,-1} will draw dotted highlighting around affected elements in green, red, blue, cyan, or yellow without changing their symbology. The braces may be omitted if only a color is specified. The default is: 2; 4; 1; 3; 6; 10 which means added elements are drawn in solid green, deleted in red, changed in blue, pre-changed in cyan, conflicts in yellow, and unchanged elements in medium grey. (MS_DESIGN_HISTORY_COLORS)
MS_DESIGN_HISTORY_REVISION_NUMBER_FORMAT	Specifies how to display a revision number. The syntax is: formatClause := { ["[" range "]"] msgFormatPattern }+ range := start [,end]

	msgFormatPattern := string ["{" msgFormatElement "}" string]* msgFormatElement := argument ["," elementFormat] elementFormat := "number" "cardinal""letter" ["," letterStyle] letterStyle:= { "uppercase"|"lowercase"|"AA"|"AB"|{"omit" letter}* }+ The default is {0}.{1} (MS_DESIGN_HISTORY_REVISION_NUMBER_FORMAT)
MS_DESIGN_HISTORY	Valid keywords: create, delete, commit, browse, tag, changedesc, changeauthor, combine, retire, setrevisionformat, setversion, autoupgrade. Set keyword=1 to enable or 0 to disable. Separate multiple settings by ';' Default: MS_DESIGN_HISTORY=create=1;delete=0;commit=1;browse=1;tag=1;changedesc=0;changeauthor=0;combine=0;retire=0;setrevisionformat=1;setversion=1;autoupgrade=0 Example: MS_DESIGN_HISTORY=delete=1. This allows users to delete design history. Example: MS_DESIGN_HISTORY=delete=0;combine=1;retire=1. This prevents users from deleting design history, but allows them to combine or remove revisions. Example: MS_DESIGN_HISTORY=changedesc=1. This permits users from changing the description of revisions after the fact. (MS_DESIGN_HISTORY)
MS_DESIGN_HISTORY_COMMIT_DOC_PROPERTIES	Should design history track changes to document properties such as Title, Author, and Comment? The default is 1 (include doc properties in history). (MS_DESIGN_HISTORY_COMMIT_DOC_PROPERTIES)

Unknown Category

Cfg Var Name	*Long Description*
MS_PROTECTION_ENABLE	Set to 0 to disable file protection. Set to 1 to enable password or certificate protection. Set to 2 to enable password protection only. Set to 3 to enable certificate protection only. The default is 0 (disabled). (MS_PROTECTION_ENABLE)
MS_PROTECTION_V8_COMPATIBILITY	Set to 1 if you want MicroStation to protect files and create licenses in a way that V8.1 and V8 2004 Edition can open. Set to 0 if you want MicroStation to use stronger encryption, producing protected files that V8.1 and V8 2004 Edition cannot open. The default is 0 (do not limit encryption strength). (MS_PROTECTION_V8_COMPATIBILITY)
MS_PROTECTION_LICENSE_ENABLE	Set to 0 to disable license creation. Set to 1 to enable password licenses. Set to 2 to enable certificate licenses. Set to 4 to enable Everyone licenses. Set to 7 to enable all types of licenses. Add individual values together to enable two or more license types. The default is 7 (all types of licenses). (MS_PROTECTION_LICENSE_ENABLE)
MS_PROTECTION_PASSWORD_MIXED	Set to 1 to require file protection passwords to be a mixture of letters and numbers. Set to 0 to allow passwords that contain only letters. The default is 0 (numbers not required). (MS_PROTECTION_PASSWORD_MIXED) A password containing a mixture of letters and numbers is harder to guess than a password containing only letters.
MS_PROTECTION_PASSWORD_MINIMUM	Sets the minimum length of a file protection password. The maximum is 80. The default is 5. (MS_PROTECTION_PASSWORD_MINIMUM)

	A password of less than 5 characters is relatively easy to guess, thus making a protected file vulnerable to unauthorized access.
MS_PROTECTION_NOENCRYPT_THUMBNAIL	Set to 1 to tell the Protect command to leave the file thumbnail unencrypted or 0 to allow Protect to encrypt the thumbnail. The default is 0 (encrypt). (MS_PROTECTION_NOENCRYPT_THUMBNAIL) The thumbnail is an image of the last used view of the design file. This image is displayed by Windows File Explorer and the File Open dialog. NOTE: Leaving the thumbnail unencrypted means that anyone can see this image of the design file, even if that person has no right to open the file.
MS_PROTECTION_NOENCRYPT_PROPERTIES	Set to 1 to tell the Protect command to leave file properties unencrypted or 0 to allow Protect to encrypt file properties. The default is 0 (encrypt). (MS_PROTECTION_NOENCRYPT_PROPERTIES) File properties include values such as Title, Subject, Author, Category, Keywords, and Comment. These values are displayed by Windows File Explorer and the File Open dialog. NOTE: Leaving file properties unencrypted means that anyone can see these property values, even if that person has no right to open the file.

Unknown Category

Cfg Var Name	*Long Description*
MS_SECURITY_LEVEL	This is the security level for loading and running applications in MicroStation. Set to NONE to disable security checking. Set to LOW to allow any MDL or other application to be loaded and used. Set to MEDIUM to allow only applications that are digitally signed by Bentley or by a certificate identified by MS_SECURITY_SPC. Set to HIGH to allow only applications that are digitally signed by Bentley. The default is NONE. (MS_SECURITY_LEVEL)
MS_SECURITY_SPC	This is the path where MicroStation can find the Software Publishing Certificates that were used to digitally sign the applications that can be loaded in MEDIUM security level. The default is nil. (MS_SECURITY_SPC)

Unknown Category

Cfg Var Name	*Long Description*
MS_DISTRIBUTED_DGN_AUTO_FOCUS_ON_NEW_CONFLICTS	Specifies if the Conflicts dialog should pop up when the Refresh Local Copy command detects new conflicts. The default is On. (MS_DISTRIBUTED_DGN_AUTO_FOCUS_ON_NEW_CONFLICTS)
MS_DISTRIBUTED_DGN_CONFLICT_BY	Specifies how conflicts should be detected. Possible values: MODEL - changes within the same model are conflicts, GG - changes involving the same graphic group are conflicts. ELEMENT - changes to the same element are conflicts. The default is MODEL. (MS_DISTRIBUTED_DGN_CONFLICT_BY)

Unknown Category

Cfg Var Name	*Long Description*
MS_REF_MASTERFILELAST_SHEET	Determines the default update sequence of references and master model for Sheet Models. This configuration variable is used at the time of creating a new model to set its default update sequence. If 1, references are drawn first, then the master sheet model (MS_REF_MASTERFILELAST_SHEET).
MS_REF_MASTERFILELAST_DRAWING	Determines the default update sequence of references and master model for Drawing Models. This configuration variable is used at the time of creating a new model to set its default update sequence. If 1, references are drawn first, then the master drawing model (MS_REF_MASTERFILELAST_DRAWING).
MS_REF_MASTERFILELAST_DESIGN	Determines the default update sequence of references and master model for Design Models. This configuration variable is used at the time of creating a new model to set its default update sequence. If 1, references are drawn first, then the master design model (MS_REF_MASTERFILELAST_DESIGN).
MS_REF_DEFAULTATTACHDIRECTORY	If this variable is set, the reference attachment file dialog defaults to this directory rather than the directory of the last attached reference.(MS_REF_DEFAULTATTACHDIRECTORY).
MS_REF_DEFAULTSETTINGS	(MS_REF_DEFAULTSETTINGS). This variable controls the default settings for reference attachments. It is set to a comma-separated list of key=value pairs, for example: "snap=1,locate=0,trueScale=1,scaleLineStyles=0", Recognized keys and values include display=0|1, snap=0|1, locate=0|1, treatAsElement=0|1, attachMethod=coincident|world|geoReprojected|geoAECTransform, useLights=0|1, saveRelativePath=0|1, scaleLineStyles=0|1, ignoreWhenNesting=0|1,

displayRasterRefs=0|1, displayBoundary=0|1, newLevelDisplay=fromconfig|always|never, nestMode=live|copy|none, nestDepth=value, nestOverrides=allow|always|never, useAnnotationScale=0|1, synchWithSavedView=0|1, levelControlsDisplay=0|1, plotAs3D=0|1

MS_DISALLOWFULLREFPATH	When set to 1, MicroStation does not save the full path to references. By default, MicroStation stores both an abbreviated (portable) path and the full path to references. The full path will be wrong if the directory structure for a project is changed or if a different file server drive letter is used, so it can cause inconsistent reference file location in those situations. Therefore, some sites prefer that the full path not be saved. (MS_DISALLOWFULLREFPATH)
MS_REF_NEWLEVELDISPLAY	When set to 1, MicroStation displays newly created levels in references. By default, when new levels are created in a model that is referenced by another model, the new levels are not displayed when the referencing model is opened. Newly created levels are considered to be new until 'Save settings' is performed. Recognizing new levels and controlling their display is only possible when using the MicroStation V8 file format for both the reference and the master file. (MS_REF_NEWLEVELDISPLAY)
MS_NEST_COLORADJUSTMENT	If not set, the color adjustment for the top level reference controls the color adjustment for all nested references. When set to any value, nested reference color adjustments at each level are multiplied to get the net adjustment. For example, with C attached to B with a saturation adjustment of 80%, and B attached to A with a saturation adjustment of 70%, C will display in A with a saturation adjustment of 56% if MS_NEST_COLORADJUSTMENT is defined, and with saturation adjustment of 70% if it is not. (MS_NEST_COLORADJUSTMENT)
MS_REF_DONTHILITEFORMANIP	By default, MicroStation hilites all elements in a reference file when the reference is manipulated (move, rotate, scale, etc.) If MS_REF_DONTHILITEFORMANIP is set to any value, this hiliting is disabled. This can speed up reference manipulations, but it is more difficult to tell which references are getting manipulated. (MS_REF_DONTHILITEFORMANIP)

Unknown Category

Cfg Var Name	*Long Description*
MS_STANDARDSCHECKER_SETTINGSFILE	If this variable is set, the specified file is always used for standards checking. (MS_STANDARDSCHECKER_SETTINGSFILE)
MS_STANDARDSCHECKER_SETTINGSNAME	If this variable is set, the specified names settings are always used for standards checking. (MS_STANDARDSCHECKER_SETTINGSNAME)
MS_STANDARDSCHECKER_OUT	Default directory for standards checker reports.(MS_STANDARDSCHECKER_OUT).
MS_STANDARDSCHECKER_STYLESHEET	If this variable is set, it specifies the XML Style Sheet that is used to view the Standards Checker XML report. The variable can be either a file or a URI (Universal Resource Identifier) that can be used by the browser to locate the style sheet. If this variable is not set, the XML style sheet in $(_USTN_WORKSPACEROOT)system/data/standardschecker.xsl is used. (MS_STANDARDSCHECKER_STYLESHEET)
MS_STANDARDSCHECKER_APPS	The list of MDL applications that are loaded when the Standards Checker is started. (MS_STANDARDSCHECKER_APPS)

Unknown Category

Cfg Var Name	*Long Description*
MS_DGNAUTOSAVE	Determines the frequency, in seconds, of the auto-save timer for V8 format Files. For example, if set to 2 (the default), an auto-save will occur when there was no user activity for about 2 seconds. If set to 0, auto-save is disabled. (MS_DGNAUTOSAVE)
MS_V7AUTOSAVE	Determines the frequency, in seconds, of the auto-save timer for V7 format files. For example, if set to 300 (the default), an auto-save will occur approximately 5 minutes after the first change to the design. The minimum value is 30 seconds. (MS_V7AUTOSAVE)
MS_V7AUTOSAVE_NODIALOG	V7 format files take far longer than V8 format design files to save. Therefore, by default MicroStation displays a dialog box allowing the user to defer the auto-save operation.If this configuration variable is set, this dialog box is skipped and auto-save occurs automatically. (MS_V7AUTOSAVE_NODIALOG)
MS_V7BACKUPV8	If this variable is set when working on a V7 DGN file, MicroStation will automatically create a backup file in V8 format every time you save. This provides a fallback in cases where you inadvertently create information that cannot be represented in the V7 format. This variable specifies a 'template' that is used to create the backup filename. If you simply set the value to 'true', a file in the same directory as the original with the extension '.v8' is created.
MS_DWGAUTOSAVE	Determines the frequency, in seconds, of the auto-save timer for DWG and DXF format files. For example, if set to 300 (the default), an auto-save will occur approximately 5 minutes after the first change to the design. The minimum value is 30 seconds. (MS_DWGAUTOSAVE)
MS_DWGAUTOSAVE_NODIALOG	DWG and DXF format files take far longer than V8 format design files to save. Therefore, by default MicroStation displays a dialog box allowing the user to defer the auto-save operation.If this configuration variable is set, this dialog box is skipped and auto-save occurs automatically. (MS_DWGAUTOSAVE_NODIALOG)

Unknown Category

Cfg Var Name	*Long Description*
MS_RASTER_IMG_STRETCH	When this variable is defined and set to ON, an automatic contrast stretch will be applied to all attached Erdas IMG rasters. The default value is OFF. (MS_RASTER_IMG_STRETCH)
MS_RASTER_IMG_CHANNELS	Sets the band number to use for Red, Green, Blue and Alpha channels when a file whose format is IMG is attached. The ‘0’ value can be set for the Alpha channel if none is required. When this variable is defined, all attached Erdas IMG rasters will use the same band order. The default value is: MS_RASTER_IMG_CHANNELS 1 2 3 4.
MS_RASTER_DISABLE_IPPCONNECTION	If absent, the default socket server port 1924 is used. If defined, the socket port 1924 is ignored.

MS_RASTER_VIEWSAVEASDWG When exporting to DWG, allows the user to control whether or not the raster will be visible, according to the values below.

The raster will be visible in DWG if:

Undefined or set to 0: the raster is displayed in View 1.

Set from 1 to 8: the raster is displayed in the specified View.

Set to 9: the raster is displayed in at least one View.

Set to 10: the raster is displayed in all the Views.

MS_RASTER_COMMONGEOREFFILEFORMATS Set this variable using the extensions of the file formats you wish to use as the default 'Common Geo Ref Raster Formats' file filter for the open dialogs.

Each ' *.ext ' should separated using ' ; '. There should be no trailing ' ; '

e.g.: *.hmr;*.iTiff;*.tiff

MS_RASTER_COMMONFILEFORMATS Set this variable using the extensions of the file formats you wish to use as the default 'Common Raster Formats' file filter for the open dialogs.

Each ' *.ext ' should separated using ' ; '. There should be no trailing ' ; '

e.g.: *.jpg;*.jpeg;*.png

MS_RASTER_TIFFINVERT If defined and set to a value other than 0, inverts the foreground/background color allocation of monochrome tiff files as soon as the raster is attached.

MS_RASTER_SAVEAUTO Enables Raster Manager Automatic Save mode when closing a DGN or detaching a raster.

If undefined or set to 0, SaveAuto is disabled.

If set to 1, SaveAuto is enabled and the user will not be prompted to update the raster for changes made to the location info of the file.

MS_RASTER_NOSHARING Manages the automatic creation of .sharing.tmp files required for the concurrent access of the same raster file by various instances of the MicroStation application.

If undefined or set to 0, .sharing.tmp files are always generated.

If set to 1, .sharing.tmp file generation is disabled.

MS_RASTER_NO_DETACH_CONFIRM If defined and set to 0, display an alert dialog asking to confirm the raster detachment(s).

If undefined or set to 1, do not display an alert dialog asking to confirm the raster detachment(s).

MS_RASTER_EPSGTABLE_PATH	Enables geotiff positioning using the location parameters found in ASCII files provided on request. The required ASCII files are: CoordSysData.txt ProjectionData.txt UnitsData.txt If undefined or set to 0, hard coded tables are used for Geotiff positioning. If set to 1, ASCII files are used for Geotiff positioning.
MS_RASTER_DEFAULTSISTER	If set to 0 or 1, the default sister file will be HGR. If set to 2, the default sister file will be WorldFile.
MS_RASTER_DEFAULTSCALE	If defined and set to 1, a raster without georeference which is attached without the use of the “Place interactively” toggle has the following scale assigned: scale factor = MS_RASTER_DEFAULTSCALE The pixel size is deduced from the scale factor and dpi. If undefined, a raster without georeference which is attached without the use of the 'Place interactively' toggle has the following scale assigned: 1 pixel = 1 sub-unit. The scale factor is deduced from pixel size and dpi. If defined and set to any other value, the value is invalid and MS_RASTER_DEFAULTSCALE is ignored (same behavior as undefined).
MS_RASTER_1BIT_WORKMODE	If defined and set to 1, harmonizes monochrome raster display so they are handled like Raster Reference attachments. Raster Reference was the default module provided with MicroStation/J that handled raster display, previous to Raster Manager for MicroStation V8i (SELECTseries 2).
MS_RASTER_DEFAULT_LEVEL	This variable allows users to define the Level for raster elements when upgrading to MicroStation V8i (SELECTseries 2). The value is the LevelName.
MS_RASTER_TRANSPARENCY	If defined and set to 1, Raster Manager sets the background transparency value according to this variable, as specified in the Raster Manager Transparency dialog box. Possible values are 0 to 255, where 255 is 100% transparency. If undefined or set to 0, has no effect.