

MapBasic  
Version 17.0.3

# Release Notes

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## Introduction

This document provides information on new and enhanced features that have been introduced into MapBasic. It also contains sections on resolved customer issues and some remaining known issues that are important for MapBasic® users to be aware of.

MapBasic is the programming language that lets you customize and automate MapInfo Pro.

## Locating Your Documentation

The table below lists the available MapBasic documents and explains how to access them.

Document	Description
MapBasic User Guide	<p>Complete guide on how to use MapBasic. The PDF document can be accessed from following:</p> <ul style="list-style-type: none"> <li>View online at <a href="http://www.pbinsight.com/support/product-documentation/details/mapinfo-mapbasic">http://www.pbinsight.com/support/product-documentation/details/mapinfo-mapbasic</a>.</li> <li>Installs with MapInfo Pro and can be accessed from the <code>Documentation</code> folder in the MapInfo Pro installation directory.</li> </ul>
MapBasic Reference	<p>Complete guide to all MapBasic commands. The PDF document can be accessed from following:</p> <ul style="list-style-type: none"> <li>View online at <a href="http://www.pbinsight.com/support/product-documentation/details/mapinfo-mapbasic">http://www.pbinsight.com/support/product-documentation/details/mapinfo-mapbasic</a>.</li> <li>Installs with MapInfo Pro and can be accessed from the <code>Documentation</code> folder in the MapInfo Pro installation directory.</li> </ul>
MapBasic Help	<p>Includes all of the information in <i>MapBasic Reference</i> plus dialog and menu descriptions. The QT document can be accessed from following:</p> <ul style="list-style-type: none"> <li>Click <b>Help</b>, then click <b>Contents</b> in MapBasic.</li> <li>Installs with MapBasic and can be accessed by running the <code>MapBasicHelp.exe</code> executable in the MapBasic installation directory.</li> </ul>

Document	Description
Extensibility Reference Help	<p>MapInfo Pro 64-bit .NET Object Model API. The QT document can be accessed from following:</p> <ul style="list-style-type: none"> <li>Installs with MapBasic and can be accessed by running the <code>ExtensibilityReferenceHelp.exe</code> executable in the MapBasic installation directory.</li> </ul>
Integrated Mapping Reference Help	<p>API documentation to add Integrated Mapping capabilities to your application. The QT document can be accessed from following:</p> <ul style="list-style-type: none"> <li>Installs with MapBasic and can be accessed by running the <code>IntegratedMappingReferenceHelp.exe</code> executable in the MapBasic installation directory.</li> </ul>

You must have the Adobe Acrobat reader installed to view PDF files. To download a free copy of the Adobe Acrobat Reader, go to <http://www.adobe.com>.

## Notes About this Release

### MapBasic version 17.0.3

#### What's New

The following is a list of new functions, statements and interfaces introduced in this release:

#### *MenuItemEnabled() Function*

##### *Purpose*

Returns enabled state of a Menu Command ID.

##### *Syntax*

```
MenuItemEnabled (menuItem_ID)
```

##### *Return Value*

Function returns TRUE if a run menu command is enabled, FALSE if it is not.

## Enhancements and Updates

### WindowInfo() Function

```
WindowInfo( window_spec, attribute )
```

If you specify **WIN\_INFO\_TYPE** as the attribute, `WindowInfo()` can return a new value for a Custom Window type

Window Type	ID	Window Description
WIN_CUSTOM	37	Custom window type (for example, MapInfo Marketplace - a WPF window)

### GetPreference() Function

Additions to `MapBasic.DEF`, `MapBasic.BAS` and `MapBasic.H`

The `GetPreference()` function has fifteen additional Preference Segments, and over 230 unique Preference Defines that are now exposed to query current settings in use.

See `MapBasic.DEF` in `<ProgramDir>\Samples\MapBasic\INC` folder for more info.

The segment parameter can be any value from the table below. Codes in the left column are defined in `MAPBASIC.DEF`.

**Note:** Some Preference Segments are omitted as they reference obsolete preferences no longer used or supported.

**Note:** There is no `SetPreference()` statement as you cannot make changes to preferences except through the MapInfo Pro User Interface.

Segment Code	ID	Meaning
PREFERENCE_SYSTEM	0	System Preferences
PREFERENCE_TABLES	1	Table Preferences
PREFERENCE_BROWSER	3	Browser window Preferences
PREFERENCE_MAPPER	4	Mapper window Preferences
PREFERENCE_INTERNATIONAL	6	Address Matching Preferences

Segment Code	ID	Meaning
PREFERENCE_PATHS	11	Directory Preferences
PREFERENCES_LEGEND	12	Legend window Preferences
PREFERENCES_OUTPUT	13	Output setting preferences
PREFERENCES_PRINTER	14	Printer Preferences
PREFERENCES_WEBSERVICES	15	Web Services Preferences
PREFERENCES_IMAGE_PROCESSING	16	Image Processing Preferences
PREFERENCES_LAYOUT	17	Layout window Preferences
PREFERENCES_PDF	18	PDF Printer preferences
PREFERENCES_PERFORMANCE	19	Performance Preferences
PREFERENCES_MANAGED_WORKSPACE	50	Workspace Preferences

The ordinal parameter can be any value from the tables below. Codes in the left column are defined in MAPBASIC.DEF.

Return values are `SmallInteger` unless otherwise indicated.

**Note:** Some Preference Ordinals are omitted as they reference obsolete preferences no longer used or supported.

System Preference Ordinal	ID	GetPreference Returns
PREF_SYSTEM_COLORDEFAULT	0	0 = Monitor, 1= Black&White, 2 = Color
PREF_SYSTEM_AUTOSAVEWORKSPACE	3	AutoSave workspace 0=ON, 1=OFF
PREF_SYSTEM_COPYTEXTCLIPBOARD	7	Copy Text t Clipboard 0=ON, 1=OFF
PREF_SYSTEM_COPYGRAPHICSCLIPBOARD	8	Copy BMP to clipboard 0=ON, 1=OFF
PREF_SYSTEM_PAPERUNITS	9	11 = Points

System Preference Ordinal	ID	GetPreference Returns
		12 = Picas 2 = Inches 5 = Millimeters 6 = Centimeters
PREF_SYSTEM_UNDO_COUNT	10	Number of Undo objects
PREF_SYSTEM_SUBSTITUTETTFONT	12	Display Pre-version 4 symbols
PREF_SYSTEM_COPY_EMF_CLIPBOARD	13	Copy EMF to clipboard 0=ON, 1=OFF
PREF_SYSTEM_COPY_OLEOBJECT	14	Copy MapInfo Map Object to clipboard 0=ON, 1=OFF - disabled in x64
PREF_SYSTEM_SAVEQUERYWORKSPACE	18	Save Queries in Workspaces 0=ON, 1=OFF
PREF_SYSTEM_DATEWINDOW	19	SmallInt: 1 = Use Current Century, else Year value
PREF_SYSTEM_UNDO_SIZE	20	memory size in bytes for Undo
PREF_SYSTEM_RESOLUTION	21	Export resolution in dpi
PREF_SYSTEM_VMOPTION	22	0 = GRID, 1= Raster, 2 = Default
PREF_SYSTEM_DISTANCEUNITS	23	Returns Distance Unit constant 2 = Inches 30 = Links 3 = Feet 8 = US Survey Feet 4 = Yards 32 = Rods 31 = Chains 0 = Miles 9 = Nautical Miles 5 = Millimeters 6 = Centimeters

System Preference Ordinal	ID	GetPreference Returns
		7 = Meters 1 = Kilometers
PREF_SYSTEM_AREAUNITS	24	Returns Area Units constant 16 = Square Inches 33 = Square Links 17 = Square Feet 18 = Square Yards 35 = Square Rods 36 = Perches 34 Square Chains 37 = Roods 28 = Acres 14 = Square Miles 23 = Square Nautical Miles 19 = Square Millimeters 20 = Square Centimeters 21 = Square Meters 29 = Hectares 15 = Square Kilometers
PREF_SYSTEM_COPY_OLEOBJECT_NEW	25	Copy EMF to clipboard 0=ON, 1=OFF
PREF_SYSTEM_COPY_ENHANCED_EMF_TYPE	26	0 = EMF, 1= EMF+, 2 = EMF+Dual
PREF_SYSTEM_CROSSHAIRCURSOR	28	138 = Medium crosshair, 164 = Large, 165 = Default
PREF_SYSTEM_COPY_WMF_CLIPBOARD	29	Copy WMF to clipboard 0=ON, 1=OFF
PREF_SYSTEM_TRUECOLORCURSORS	30	Enable true color cursors 0=ON, 1=OFF
PREF_SYSTEM_WRITETOOLWINDOWSTOWORKSPACE	31	Save Tool Window positions to workspaces 0=ON, 1=OFF
PREF_SYSTEM_MULTIPLETOUCH	32	Support touchscreen 0=ON, 1=OFF

System Preference Ordinal	ID	GetPreference Returns
PREF_SYSTEM_DEFAULTFILEFORMAT	33	SmallInt result, The default MapInfo table format used for new tables. Returns define of TAB_INFO_DATA_FORMAT. 5 = MapInfo (Native) 14 = MapInfo Extended (NativeX)
PREF_SYSTEM_DEFAULTCHARSETFORNATIVEX	34	String result, Charset used when creating MapInfo Extended tables (e.g.: UTF-8,WindowsLatin, etc.).
PREF_SYSTEM_WRITEUNICODEDATA	35	SmallInt result, 0 = unchecked, 1=Encode Workspaces and Tab Files checked.

Workspace Preference Ordinal	ID	GetPreference Returns
PREF_WKS_PROMPTTOSAVE	1	0 = OFF, 1=ON
PREF_WKS_PROMPTTOSAVEOPTION	2	0 = Automatic, 1 = Only when WOR is open

Table Preference Ordinal	ID	GetPreference Returns
PREF_TABLES_FILEOPENWHAT	0	Last Preferred View Used
PREF_TABLES_OPENCHOICESCREEN	1	QuickStart dialog
PREF_TABLES_CONNNAME	2	String: Default DBMS Connection name
PREF_TABLES_CONNDRIVER	3	String: DBMS Driver Name
PREF_TABLES_CONNSTRING	4	String: DBMS Connection Name

Browser Preference Ordinal	ID	GetPreference Returns
PREF_BROWSER_RDTSORTORDER	0	Redistricter Sort Order. 0=MRU, 1=Alphabetical, 2=No Ordering



Browser Preference Ordinal	ID	GetPreference Returns
PREF_BROWSER_ALTRROWCOLORRED	1	SmallInt: RGB Component Red color
PREF_BROWSER_ALTRROWCOLORGREEN	2	SmallInt: RGB Component Green color
PREF_BROWSER_ALTRROWCOLORBLUE	3	SmallInt: RGB Component Blue color

Mapper Preference Ordinal	ID	GetPreference Returns
PREF_MAPPER_PRESERVESCALEONRESIZE	0	0=Fit to Map, 1 = Preserve Scale
PREF_MAPPER_HIGHLIGHT_BRUSH	2	Brush clause for Selection
PREF_MAPPER_SNAPTONODES	3	Snap to Nodes 0=Off,1=ON
PREF_MAPPER_MOVEDUPLICATENODES	4	0 = None of the Layers, 1= Same Layer
PREF_MAPPER_PIXELTOLERANCE	5	SmallInt: Snap Tolerance in pixels
PREF_MAPPER_TARGET_PEN	7	Pen clause for Target objects
PREF_MAPPER_TARGET_BRUSH	8	Brush clause for Target objects
PREF_MAPPER_HIGHLIGHT_PEN	9	Pen Clause for Selection
PREF_MAPPER_SCROLLBARS	10	Show Scrollbars 0=Off,1=ON
PREF_MAPPER_SAVECOSMETIC	11	Warn prior to loss of Cosmetic objects 0=Off,1=ON
PREF_MAPPER_SAVELABELS	12	Warn prior to loss of Map Labels 0=Off,1=ON
PREF_MAPPER_SAVETHEMATIC	13	Warn prior to loss of Thematic layers 0=Off,1=ON
PREF_MAPPER_SHOWINFOTIPS	14	Show Info Tips in Layers 0=Off,1=ON
PREF_MAPPER_DISTANCETYPE	15	Distance/Area using: '0=Spherical, 1=Cartesian

Mapper Preference Ordinal	ID	GetPreference Returns
PREF_MAPPER_SHOWDEGREESMINUTESSECONDS	16	SmallInt: Returns MAPPER_INFO_DISPLAY_DMS defines
PREF_MAPPER_LASTTHEMETYPE	17	String: Last Default theme type used
PREF_MAPPER_GRIDOUTPUTFORMATHANDLER	18	String: Handler for New Grids
PREF_MAPPER_CLIPREGIONTYPE	19	SmallInt: Returns MAPPER_INFO_CLIP_TYPE defines
PREF_MAPPER_3DHARDWARE	20	Enable Hardware Acceleration for 3D map windows, 0=Off,1=ON
PREF_MAPPER_AUTORASTERZOOMLAYER	21	Raster Zoom Layering 0=Off,1=ON
PREF_MAPPER_AUTOGRIDZOOMLAYER	22	Grid Zoom Layering 0=Off,1=ON
PREF_MAPPER_POINT_HIGHLIGHT_BRUSH	23	Brush Clause for Multipoint Selection
PREF_MAPPER_POINT_TARGET_BRUSH	24	Brush Clause for Multipoint Targets
PREF_MAPPER_AUTOSCROLL	25	AutoScroll 0=Off,1=ON
PREF_MAPPER_DEFAULTPROJECTION	26	String: Table Projection Preference
PREF_MAPPER_DEFAULTMBPROJECTION	27	String: Session Projection Preference
PREF_MAPPER_DISPLAYSNAPRADIUS	28	SmallInt: Value for Snap Radius
PREF_MAPPER_CARTOGRAPHICSCALE	29	Cartographic Scale 0=Off,1=ON
PREF_MAPPER_DISPLAYLAYERCONTROLTOOLTIPS	30	Layer Control ToolTips 0=Off,1=ON
PREF_MAPPER_AUTONODETOLERANCE	31	SmallInt: Value for AutoNode Tolerance
PREF_MAPPER_DRAWLAYERSUNDERTHEMES	32	Draw Layers under themes 0=Off,1=ON
PREF_MAPPER_READDEFAULTTHEMEMETADATA	33	Read Default thematic metadata when opening tables. 0=Off,1=ON

Mapper Preference Ordinal	ID	GetPreference Returns
PREF_MAPPER_FINDSELECTIONAFTERPASTE	34	Pan to selection after pasting object 0=Off,1=ON
PREF_MAPPER_ZOOMONFINDSELECTION	35	Zoom to extents of selected object 0=Off,1=ON
PREF_MAPPER_ALPHAHIGHLIGHT	36	Translucency value where 255 =100% opaque, 0= transparent
PREF_MAPPER_ZOOMMOUSEWHEELONCURSOR	37	Mousewheel zoom based on cursor location 0=Off,1=ON
PREF_MAPPER_ADORNAUTOMATICSCALING	38	Use automatic sizing for Adornments 0=Off,1=ON
PREF_MAPPER_ADORN_BACKGROUND_BRUSH	39	Brush clause for Adornment backgrounds
PREF_MAPPER_ADORN_BACKGROUND_PEN	40	Pen clause for Adornment backgrounds

International Preference Ordinal	ID	GetPreference Returns
PREF_INTERNATIONAL_ADDRMATCH	0	0=House number BEFORE Street, 1=House number AFTER street
PREF_INTERNATIONAL_INSET	1	Inset value in Distance Units
PREF_INTERNATIONAL_OFFSET	2	Offset value in Distance Units
PREF_INTERNATIONAL_DISTUNIT	3	Returns define for Distance units. See PREF_SYSTEM_DISTANCEUNITS
PREF_INTERNATIONAL_ENABLEDISTANCESPECIFIED	4	SmallInt Inset address percentage value
PREF_INTERNATIONAL_INSET_DIST	5	SmallInt Inset Distance value
PREF_INTERNATIONAL_INSET_DIST_DISTUNIT	6	Returns Inset define for Distance units. See PREF_SYSTEM_DISTANCEUNITS

International Preference Ordinal	ID	GetPreference Returns
PREF_INTERNATIONAL_USER_CLEAN	7	Substitutions from MAPINFOW.ABB file 0=Off,1=ON
PREF_INTERNATIONAL_CLOSE_ADDR	8	Use Closest Address Number 0=Off,1=ON
PREF_INTERNATIONAL_ALT_BDY	9	Use Match found in a Different Boundary 0=Off,1=ON

Path Preference Ordinal	ID	GetPreference Returns
PREF_PATH_MITABLEPATH	0	New Table Directory
PREF_PATH_MIWORKSPACEPATH	1	New Workspace Directory
PREF_PATH_MIPROGRAMPATH	2	MapBasic Programs Directory
PREF_PATH_MIDATAPATHS	3	Alternate Search path if PREF_PATH_USETRAVERSAL =1
PREF_PATH_USETRAVERSAL	4	SmallInt: 0= No alternate search path, 1 = Use alternate search path
PREF_PATH_CUSTOMSYMBOLPATH	5	Custom Symbols Directory
PREF_PATH_IMPORTPATH	6	Import Files Directory
PREF_PATH_SQLQUERYPATH	7	SQL Queries Directory
PREF_PATH_THEMEMPLATEPATH	8	Theme Templates Directory
PREF_PATH_MIQUERYPATH	9	Saved Queries Directory
PREF_PATH_NEWGRIDPATH	10	New Grid Files Directory
PREF_PATH_REMOTETABLEPATH	13	DBMS Tables Directory
PREF_PATH_TABLESFROMSHAPEFILES	14	ShapeFile Table Directory

Path Preference Ordinal	ID	GetPreference Returns
PREF_PATH_TABLESFROMWFS	15	WFS Table Directory
PREF_PATH_TABLESFROMWMS	16	WMS Table Directory
PREF_PATH_LAYOUTIMAGES	17	Layout Images Directory

Legend Preference Ordinal	ID	GetPreference Returns
PREF_LEGEND_FNTTITLE	0	Font clause for Legend Title
PREF_LEGEND_FNTSUBTITLE	1	Font clause for Legend Subtitle
PREF_LEGEND_FNTSTYLE	2	Legend Category Font clause
PREF_LEGEND_PENBORDER	3	Legend Category Pen clause
PREF_LEGEND_TITLEPATTERN	4	Legend Title Background brush clause
PREF_LEGEND_SUBTITLEPATTERN	5	Legend Subtitle Background brush clause
PREF_LEGEND_STYLEPATTERN	6	Legend Category Background brush clause
PREF_LEGEND_STYLESIZE	7	Legend Swatch Style sizes. 0=Small, 1=Large swatches
PREF_LEGEND_PROMPTSAVEWORKSPACE	8	Prompt for Legend changes in workspaces 0=Off, 1=On
PREF_LEGEND_CREATEPRE1150LEGENDS	9	Create version 1150 Legends. Obsolete for x64
PREF_LEGEND_PAPERUNITS	10	Returns PREF_SYSTEM_PAPERUNITS
PREF_LEGEND_SYNCDISPLAY	11	Increase Sample size to match font. 0=Off, 1=On
PREF_LEGEND_LINEWIDTH	12	SmallInt Sample line width

Legend Preference Ordinal	ID	GetPreference Returns
PREF_LEGEND_REGIONWIDTH	13	SmallInt Sample region width
PREF_LEGEND_REGIONHEIGHT	14	SmallInt Sample region height
PREF_LEGEND_DISPLAYGRID	15	Display grid 0=Off, 1=On
PREF_LEGEND_SNAPGRID	16	Show snap Grid 0=Off, 1=On
PREF_LEGEND_AUTOUPDATE	17	Auto Update of Legend: 0=Off, 1=On
PREF_LEGEND_GRIDCOLORALPHA	18	SmallInt: Where 255 =100% opaque, 0=transparent
PREF_LEGEND_GRIDCOLORRED	19	SmallInt: Red Color component of RGB value
PREF_LEGEND_GRIDCOLORGREEN	20	SmallInt: Green Color component of RGB value
PREF_LEGEND_GRIDCOLORBLUE	21	SmallInt: Blue Color component of RGB value
PREF_LEGEND_GUIDECOLORALPHA	22	SmallInt: where 255 =100% opaque, 0=transparent
PREF_LEGEND_GUIDECOLORRED	23	SmallInt: Red Color component of RGB value
PREF_LEGEND_GUIDECOLORGREEN	24	SmallInt: Green Color component of RGB value
PREF_LEGEND_GUIDECOLORBLUE	25	SmallInt: Blue Color component of RGB value
PREF_LEGEND_AUTOFONTSIZESETTING	26	Increase sample size with font 0=Off, 1=On

Output Preference Ordinal	ID	GetPreference Returns
PREF_OUTPUT_USETRUECOLORDISPLAY	0	Raster True Color 0=Off, 1=On

Output Preference Ordinal	ID	GetPreference Returns
PREF_OUTPUT_DITHERMETHODDISPLAY	1	1=Halftone, 2 = Error Diffusion
PREF_OUTPUT_PRINTMETHOD	2	0=Direct to Device, 1=EMF method, 2=OSBM
PREF_OUTPUT_PRINTBORDER	3	Print Border 0=Off, 1=On
PREF_OUTPUT_TRANSPWHENPRINTVECTOR	5	Internal print handling for transparent vector 0=Off, 1=On
PREF_OUTPUT_USETRUECOLORPRINT	6	Print in True Color 0=Off, 1=On
PREF_OUTPUT_DITHERMETHODPRINT	7	Print Dither Method 1=Halftone, 2 = Error Diffusion
PREF_OUTPUT_EXPORTBORDER	8	Export Border 0=Off, 1=On
PREF_OUTPUT_TRANSPWHENEXPORTRASTER	9	Internal export handling for transparent Raster 0=Off, 1=On
PREF_OUTPUT_TRANSPWHENEXPORTVECTOR	10	Internal export handling for transparent Vector 0=Off, 1=On
PREF_OUTPUT_USETRUECOLOREXPORT	11	Export in True Color 0=Off, 1=On
PREF_OUTPUT_DITHERMETHODEXPORT	12	Export Dither Method 1=Halftone, 2 = Error Diffusion
PREF_OUTPUT_ROPTRANSPWHENPRINTINGRASTER	13	Use ROP method when Printing Raster 0=Off, 1=On
PREF_OUTPUT_ROPTRANSPWHENEXPORTINGRASTER	14	Use ROP method when Exporting Raster 0=Off, 1=On
PREF_OUTPUT_SCALEPATTERNSPRINT	15	Scale Fill Patterns fro Printing 0=Off, 1=On
PREF_OUTPUT_USEANTIALIASING	16	Use AntiAliasing 0=Off, 1=On
PREF_OUTPUT_ANTIALIASINGTHRESHOLD	17	Threshold value used for Antialiasing

Output Preference Ordinal	ID	GetPreference Returns
PREF_OUTPUT_ANTIALIASINGMASKSIZE	18	Mask size value for Antialiasing 0=Off, 1=On
PREF_OUTPUT_ANTIALIASINGFILTER	19	See return Defines from WIN_INFO_EXPORT_FILTER
PREF_OUTPUT_DISPLAYPOLYGONMODE	20	Use Polygon mode for Display 0=Off, 1=On
PREF_OUTPUT_PRINTINGPOLYGONMODE	21	Use Polygon mode for printing 0=Off, 1=On
PREF_OUTPUT_EXPORTINGPOLYGONMODE	22	Use Polygon mode for exporting 0=Off, 1=On
PREF_OUTPUT_SUBDIVIDEPRINTING	23	Subdivide print output 0=Off, 1=On
PREF_OUTPUT_CLARIFYTEXTOVERWYSIWYG	24	Export Clarified Text 0=Off, 1=On
PREF_OUTPUT_DISPLAYPOINTSFAST	25	Use Fast Symbol Rendering 0=Off, 1=On

Printer Preference Ordinal	ID	GetPreference Returns
PREF_PRINTER_USESPECIFICPRINTER	0	0=Windows default printer, 1 = MapInfo printer
PREF_PRINTER_PAPERSIZE	1	See PaperSize.Def for return values, e.g.: 1=Letter, 2=Legal
PREF_PRINTER_ORIENTATION	2	See WIN_INFO_PRINTER_ORIENT
PREF_PRINTER_PRINTERNAME	3	String: Printer Name
PREF_PRINTER_SAVEPRINTERINTOWORKSPACE	4	Save Printer info in WOR 0=Off, 1=On
PREF_PRINTER_RESTOREPRINTERFROMWORKSPACE	5	Restore printer info from WOR 0=Off, 1=On

Web Services Preference Ordinal	ID	GetPreference Returns
PREF_WEBSERVICES_WFSCONNECTTIMEOUT	0	SmallInt: Connect timeout in seconds



Web Services Preference Ordinal	ID	GetPreference Returns
PREF_WEBSERVICES_WFSSSENDTIMEOUT	1	SmallInt: Send timeout in seconds
PREF_WEBSERVICES_WFSRECEIVETIMEOUT	2	SmallInt: Receive timeout in seconds
PREF_WEBSERVICES_WMSCONNECTTIMEOUT	3	SmallInt: Connect timeout in seconds
PREF_WEBSERVICES_WMSSENDTIMEOUT	4	SmallInt: Send timeout in seconds
PREF_WEBSERVICES_WMSRECEIVETIMEOUT	5	SmallInt: Receive timeout in seconds
PREF_WEBSERVICES_WMSMAXWIDTH	6	SmallInt: WMS Max Width in pixels
PREF_WEBSERVICES_WMSMAXHEIGHT	7	SmallInt: WMS Max Height in pixels
PREF_WEBSERVICES_ACCESSTYPE	8	Proxy Access type: 0=System, 1=Use Direct, 2=Use Proxy
PREF_WEBSERVICES_PROXYSERVER	9	String: Proxy Server IP
PREF_WEBSERVICES_PORT	10	SmallInt: Proxy Server Port
PREF_WEBSERVICES_BYPASSLOCAL	11	Use bypass 0=Off, 1=On
PREF_WEBSERVICES_BYPASSLIST	12	String: bypass list
PREF_WEBSERVICES_WFSREFRESHUSINGMAP	13	Update mapper filters with current mapper 0=Off, 1=On
PREF_WEBSERVICES_WEBGEOCODECONNECTTIMEOUT	14	SmallInt: Connect timeout in seconds
PREF_WEBSERVICES_WEBGEOCODESENDTIMEOUT	15	SmallInt: Send timeout in seconds
PREF_WEBSERVICES_WEBGEOCODERECEIVETIMEOUT	16	SmallInt: Receive timeout in seconds
PREF_WEBSERVICES_STREETOFFSET	17	Offset value from road
PREF_WEBSERVICES_CORNEROFFSET	18	Offset value from corner
PREF_WEBSERVICES_UNITOFFSET	19	Returns PREF_SYSTEM_DISTANCEUNITS

Web Services Preference Ordinal	ID	GetPreference Returns
PREF_WEBSERVICES_GEOCODEDICTIONARY	20	SmallInt: See return values for GeocodeInfo()
PREF_WEBSERVICES_GEOCODEBATCHSIZE	21	SmallInt: Points to batch geocode
PREF_WEBSERVICES_WEBROUTINGCONNECTTIMEOUT	22	SmallInt: Connect timeout in seconds
PREF_WEBSERVICES_WEBROUTINGSENDTIMEOUT	23	SmallInt: Send timeout in seconds
PREF_WEBSERVICES_WEBROUTINGRECEIVETIMEOUT	24	SmallInt: Receive timeout in seconds
PREF_WEBSERVICES_DRIVEREGIONBATCHSIZE	25	SmallInt: Points to batch driving regions
PREF_WEBSERVICES_APPLYMULTIRESULTCODE	26	Mark Multiple matches when automatic mode
PREF_WEBSERVICES_READTIMEOUTWEBTILESERVER	27	Read timeout in seconds for tile servers
PREF_WEBSERVICES_REQUESTTIMEOUTWEBTILESERVER	28	Request timeout in seconds for tile servers
PREF_WEBSERVICES_LIBRARYSERVICEACCESSMODE	29	0=disabled, 1=catalog access, 2=catalog and library access
PREF_WEBSERVICES_OPENMANAGEDTABLESEEDITOR	30	Open record viewer/editor after saving managed tables
PREF_WEBSERVICES_BINGKEYFROMUSER	31	String: Returns custom Bing license key if provided by user.

Image Processing Preference Ordinal	ID	GetPreference Returns
PREF_IMAGEPROCESSING_REPROJECTIONUSEINDEX	0	0=Never, 1=Always, 2=Optimized
PREF_IMAGEPROCESSING_RESAMPLEMETHODINDEX	1	0=Cubic Convolution, 1=Nearest Neighbor

Layout Preference Ordinal	ID	GetPreference Returns
PREF_LAYOUT_PROMPTSAVEWORKSPACE	3	0=OFF, 1=ON

PDF Preference Ordinal	ID	GetPreference Returns
PREF_PDF_LAYEREDPDF	0	Layered PDF: 0=OFF, 1=ON
PREF_PDF_SAVEGEOINFO	1	Create Georegistered PDF: 0=OFF, 1=ON
PREF_PDF_SAVEATTRIBUTEDATA	2	Save attribute data 0=OFF, 1=ON
PREF_PDF_AUTOOPENPDF	3	Auto open the PDF 0=OFF, 1=ON
PREF_PDF_POSTSCRIPTSIM	4	Use PDF Advanced option: Enable Postscript Simulation
PREF_PDF_SAVEGEOINFOINNATIVEUNITS	5	Georegistration Coordinate Units: 0=Map Units, 1=Degrees

Performance Preference Ordinal	ID	GetPreference Returns
PREF_PERFORMANCE_CONCURRENCYSETTING	0	0=None,1=Moderate,2=Intermediate,3=Aggressive,4=Full
PREF_PERFORMANCE_DROPINDEXSETTING	1	SmartIndexing: 0=Auto,1=On,2=Off

Your program must include "MAPBASIC.DEF" if you intend to reference these codes.

Error Conditions - ERR\_FCN\_ARG\_RANGE (644) error is generated if an argument is outside of the valid range.

For example,

```
Include "MAPBASIC.DEF"
Dim i As SmallInt
Dim s As String
i = GetPreference(PREFERENCE_SYSTEM, PREF_SYSTEM_DEFAULTFILEFORMAT)
s = GetPreference(PREFERENCE_SYSTEM,
PREF_SYSTEM_DEFAULTCHARSETFORNATIVE)
```

### ***New RibbonControls.def for Use with Ribbon***

New `\RibbonControls.def` file installed under `\MapBasic\Samples\MAPBASIC\INC` folder. This file provides standardized defines for ribbon control names within the MapInfo Pro Ribbon User Interface.

***Additions to IMapInfoPro Extensibility Interface***

The following methods were added to the IMapInfoPro Extensibility interface:

Name	Description
GetPbld(IntPtr)	This method will return the ID for the logged in Pitney Bowes User.
GetPbld(Window)	This method will return the ID for the logged in Pitney Bowes User.
GetPbldToken(IntPtr)	This method will return the access token for the logged in Pitney Bowes User.
GetPbldToken(Window)	This method will return the access token for the logged in Pitney Bowes User.

***Additions to IMapInfoApplication Integrated Mapping Interface***

The following methods were added to the IMapInfoApplication Integrated Mapping interface:

Name	Description
GetPbld(Window)	This method will return the ID for the logged in Pitney Bowes User.
GetPbldToken(Window)	This method will return the access token for the logged in Pitney Bowes User.

***Additions to the IMapInfoEvents Interface***

The following methods were added to the IMapInfoEvents Interface:

Name	Description
ClearSuspendedEvents	Clears the suspended event queue and resumes all of them again.
IsEventSuspended	Returns if event is suspended or not.
SuspendEvent	Suspend the firing of an event to addins.
UnSuspendedEvent	Resume the firing of an event to addins.

### EventSuspend Class

Helper class added to `MapInfo.AddIns.Common` assembly to effectively define a `using` block of code to suspend the desired events from firing to add-ins.

### Additions to IMapBasicApplication Interface

The following methods were added to the IMapBasicApplication Interface:

Name	Description
RegisterPublicFunction	Registers a MapBasic Public function so that it is visible in the User Interface and can be called from interpreted code.
UnregisterPublicFunction	Un-registers a MapBasic Public function and removes it from the User Interface.

### Updated Samples

Sample	Description
\MapBasic\Samples\MAPBASIC\SNIPPETS\ OBJINFO.MB OBJINFO.DEF OBJINFO.MBP OBJINFO.STR	This MapBasic application will detect when an Object has been selected on a Map and will display descriptive information about that Object in a simple message window. Sample code updated with how to integrate as an AddIn to Tools window and Ribbon Interface and with strings extracted for easier localization.
\MapBasic\Samples\MAPBASIC\ConnectTheDots	Sample tool that creates a polygon or polyline from selected points.
\MapBasic\Samples\MAPBASIC\DistanceMarker	Sample tool to place points at set distances along a line or polyline.
\MapBasic\Samples\MAPBASIC\DumpPrefs	Sample tool to output current MapInfo Preferences to a text file.
\MapBasic\Samples\MAPBASIC\HardCodeThemes	Sample tool for HardCode Thematics that allows users to save thematic styles as default map object styles into a table.
\MapBasic\Samples\MAPBASIC\LISTTABSTRUCT	Sample tool that outputs a table's structure to a text file.

Sample	Description
\\MapBasic\Samples\MAPBASIC\MI2SVG	Sample tool that converts map layers into SVG (Scalable Vector Graphics) format.
\\MapBasic\Samples\MAPBASIC\PolyToPoint	Sample tool that extracts Nodes from Regions or Lines from Polylines in tables.
\\MapBasic\Samples\MAPBASIC\SymbolMap	Sample tool that displays the complete symbol set for selected MapInfo TrueType font with index value in a mapper window.
\\MapBasic\Samples\MAPBASIC\DATABASE	Updated several modules for x64 architecture.

### *Run Menu Command Statement*

#### *New Run Menu Command*

The following command ID has been added to menu.DEF.

Define	Value	Description
M_CLEAR_ALL_SUSPENDED_EVENTS	3207	Command to un-suspend all addin events in a session.

#### *New Layout Commands*

The following command IDs have been added to menu.DEF, mapbasic.H and mapbasic.BAS:

Define	Value	Description
M_LAYOUT_DIST_HORIZ_PAGE	2960	Command to distribute selected items horizontally on the Layout page.
M_LAYOUT_DIST_VERT_PAGE	2961	Command to distribute selected items vertically on the Layout page.
M_LAYOUT_DIST_HORIZ	2962	Command to distribute selected items horizontally within the MBR of the selection.

Define	Value	Description
M_LAYOUT_DIST_VERT	2963	Command to distribute selected items vertically within the MBR of the selection.

### *New GeoMap Commands*

The following command IDs have been added to menu.DEF, mapbasic.H and mapbasic.BAS:

Define	Value	Description
M_FILE_OPEN_GEOMAP_BRONZE	133	Command to open the GeoMapBronze table and either add the layer to the current map or open a new map.
M_FILE_OPEN_GEOMAP_STEEL	134	Command to open the GeoMapSteel table and either add the layer to the current map or open a new map.
M_FILE_OPEN_GEOMAP_IRON	135	Command to open the GeoMapIron table and either add the layer to the current map or open a new map.

### *New Application Command*

The following command ID has been added to menu.DEF, mapbasic.H and mapbasic.BAS:

Define	Value	Description
M_FILE_SAVE_CURRENT_WORKSPACE	136	Command to save the currently open workspace.

### *SystemInfo() Function*

The SystemInfo() Function has new attribute parameters:

Attribute Code	ID	Return Value
SYS_INFO_LICENSE_MODE	26	SmallInt: Current license mode that MapInfo Pro is running. Expected values:

Attribute Code	ID	Return Value
		0: Traditional FlexLM licensed mode 1: Subscription Mode.
SYS_INFO_SUBSCRIPTION_PLAN	27	String: Current subscription plan name that MapInfo Pro is running. Expected values: Subscription license mode returns Plan Name (for example, Viewer). Traditional FlexLM licensed mode returns empty string.

### *MapperInfo() Function*

The MapperInfo() Function has new attribute parameters:

Attribute Code	ID	Return Value
MAPPER_INFO_CARTO_SCALE	32	Float value of the cartographic scale value calculated by MapInfo Pro before it is rounded for display
MAPPER_INFO_CARTO_SCALE_EXPR	33	String expression of the cartographic scale similar to how it is displayed in the Map window's status bar; for example, if the cartographic scale is 945,000, the string expression returned is "1:945,000". The string is formatted using the Regional settings for number formatting.

## MapBasic version 17.0

### What's New

The following is a list of new functions and statements in this release:



Function/Statement Name	Description
Cond() function	This function is equivalent to a programmatic <code>case</code> statement: it compares an expression against each search value in order.
LayoutItemMetadataValue() function	This function returns a value corresponding to the key stored in the metadata that is associated with a frame within a <b>Layout</b> window. The function does not apply to the classic <b>Layout</b> window.
IIf() function	This function evaluates expressions.
SaveLayoutItemCustomFrameFiles() function	This function saves custom frame files (*.mlcf and *.xps) to a given location.
CreateLegendDlg() function	This function will launch the Create Legend dialog to allow the user or MapBasic programmer to create and insert a legend into an empty legend frame on the current page of a Layout Window.
CurContext() function	Smart text in a text frame needs to be able to refer to the current layout window, the current page that the text frame is on, and the text frame's current index into the collection of frames on the current page in order to use various MapBasic functions. This function provides this information that is valid only within a piece of Smart Text.
Env\$() function	This function gets an Environment variable used by Windows operating system.
LayoutItemWinID() function	This function returns a MapInfo Pro window identifier associated with the frame named 'frame_name' with type 'frame_type'. In a multi-page layout, this function searches all pages starting with the current page. You can call this function from the MapBasic window in MapInfo Pro.
ChoosePen() function	This function brings up Line Style picker (Pen picker) with the specified style selected in the dialog.
ChooseBrush() function	This function brings up Fill Style picker (Brush picker) with the specified Fill style selected in the dialog.
ChooseFont() function	This function brings up Text Style picker (Font picker) with the specified Text style selected in the dialog.
ChooseSymbol() function	This function brings up Symbol Style picker (Symbol picker) with the specified Symbol style selected in the dialog.

Function/Statement Name	Description
ChoosePenAndBrush() function	This function brings up Region Style picker (Combined Region Fill and Border Pen picker) with the specified Border Pen and Brush Fill styles selected in the dialog.
Exec() function	This function calls another function or subroutine in a specified mbx.

For details see the *MapBasic Reference Help*

## Enhancements and Updates

### General Functions and Statements

Function/Statement Name	Description								
Add Image Frame statement	Has a new <b>Into ID</b> clause that lets you insert an image into an empty layout frame.								
Add Designer Frame statement	Has a new <b>Into ID</b> clause that lets you insert a legend into an empty layout frame.								
Alter Designer Frame statement	Has a new <b>Metadata SetKey</b> clause that helps to add and manage the metadata stored in the layout frame (see also Create Frame statement). <b>Angle</b> updated to change the rotation of TrueType symbols in a layout symbol frame.								
Create Frame statement	Has a new <b>Metadata SetKey</b> clause that helps to add and manage the metadata stored in the layout frame (see also Alter Designer Frame statement).								
LegendInfo() function	Has new <i>attribute</i> parameters: <table border="1" data-bbox="678 1549 1425 1864"> <thead> <tr> <th>LegendInfo() returns:</th> <th>ID</th> </tr> </thead> <tbody> <tr> <td>LEGEND_INFO_DEFAULT_TITLE</td> <td>9</td> </tr> <tr> <td>LEGEND_INFO_DEFAULT_TITLE_FONT</td> <td>10</td> </tr> <tr> <td>LEGEND_INFO_DEFAULT_SUBTITLE</td> <td>11</td> </tr> </tbody> </table>	LegendInfo() returns:	ID	LEGEND_INFO_DEFAULT_TITLE	9	LEGEND_INFO_DEFAULT_TITLE_FONT	10	LEGEND_INFO_DEFAULT_SUBTITLE	11
LegendInfo() returns:	ID								
LEGEND_INFO_DEFAULT_TITLE	9								
LEGEND_INFO_DEFAULT_TITLE_FONT	10								
LEGEND_INFO_DEFAULT_SUBTITLE	11								

Function/Statement Name	Description										
	<table border="1"> <thead> <tr> <th>LegendInfo() returns:</th> <th>ID</th> </tr> </thead> <tbody> <tr> <td>LEGEND_INFO_DEFAULT_SUBTITLE_FONT</td> <td>12</td> </tr> <tr> <td>LEGEND_INFO_DEFAULT_STYLE</td> <td>13</td> </tr> <tr> <td>LEGEND_INFO_DEFAULT_STYLE_FONT</td> <td>14</td> </tr> <tr> <td>LEGEND_INFO_DEFAULT_AUTO_FNT_SZ</td> <td>15</td> </tr> </tbody> </table>	LegendInfo() returns:	ID	LEGEND_INFO_DEFAULT_SUBTITLE_FONT	12	LEGEND_INFO_DEFAULT_STYLE	13	LEGEND_INFO_DEFAULT_STYLE_FONT	14	LEGEND_INFO_DEFAULT_AUTO_FNT_SZ	15
LegendInfo() returns:	ID										
LEGEND_INFO_DEFAULT_SUBTITLE_FONT	12										
LEGEND_INFO_DEFAULT_STYLE	13										
LEGEND_INFO_DEFAULT_STYLE_FONT	14										
LEGEND_INFO_DEFAULT_AUTO_FNT_SZ	15										
LayerInfo() function	<p>Has new <i>attribute</i> parameters:</p> <table border="1"> <thead> <tr> <th>ColumnInfo() returns:</th> <th>ID</th> </tr> </thead> <tbody> <tr> <td>LAYER_INFO_LABEL_EXPR_TABLE</td> <td>84</td> </tr> <tr> <td>LAYER_INFO_LBL_CURVED_PERCENT_OVER</td> <td>85</td> </tr> </tbody> </table>	ColumnInfo() returns:	ID	LAYER_INFO_LABEL_EXPR_TABLE	84	LAYER_INFO_LBL_CURVED_PERCENT_OVER	85				
ColumnInfo() returns:	ID										
LAYER_INFO_LABEL_EXPR_TABLE	84										
LAYER_INFO_LBL_CURVED_PERCENT_OVER	85										
LayoutItemInfo() function	<p>Returns a new LAYOUT_ITEM_INFO_FRAME_UNIQUE_ID (23) value.</p> <p>The <b>frame_id</b> argument, can now be one of two types; in addition to being a numeric identifier, the frame_id can be the string name of the frame.</p> <p>The LAYOUT_ITEM_INFO_ANGLE has been updated to return rotation for a symbol frame.</p>										
LayoutPageItemInfo() function	<p>The <b>frame_id</b> argument, can now be one of two types; in addition to being a numeric identifier, the frame_id can be the string name of the frame.</p> <p>The LAYOUT_ITEM_INFO_ANGLE has been updated to return rotation for a symbol frame.</p>										
Layout statement	<p>MapInfo Pro works with negative positions and/or coordinates and converts them from older layouts to the <b>Layout Designer</b> window.</p>										

Function/Statement Name	Description	
LayoutInfo() function	Has a new <i>attribute</i> parameter:	
	LayoutInfo() returns:	ID
	LAYOUT_INFO_SMART_GUIDES	16
Run Menu Command statement	Has a new <i>attribute</i> parameter:	
	Run Menu Command returns:	ID
	M_LAYOUT_TOGGLE_SMART_GUIDES	2919
	M_LAYOUT_INSERT_IMAGE	2931
	M_LAYOUT_INSERT_TEXT	2932
	M_LAYOUT_LINESPACING_DOUBLE	2933
	M_LAYOUT_LINESPACING_ONEDOTFIVE	2934
	M_LAYOUT_LINESPACING_SINGLE	2935
	M_LAYOUT_LINE_STYLE	2936
	M_LAYOUT_SYMBOL_STYLE	2937
	M_LAYOUT_PAN	2938
	M_LAYOUT_REGION_STYLE	2939
	M_LAYOUT_REMOVE_GUIDELINES	2940
	M_LAYOUT_SELECT	2941
	M_LAYOUT_SNAP_TO_BOTTOM	2942

Function/Statement Name	Description	
	Run Menu Command returns:	ID
	M_LAYOUT_SNAP_TO_GRID	2943
	M_LAYOUT_SNAP_TO_LEFT	2944
	M_LAYOUT_SNAP_TO_RIGHT	2945
	M_LAYOUT_SNAP_TO_TOP	2946
	M_LAYOUT_TEXT_JUSTIFY_CENTER	2947
	M_LAYOUT_TEXT_JUSTIFY_LEFT	2948
	M_LAYOUT_TEXT_JUSTIFY_RIGHT	2949
	M_LAYOUT_TOGGLE_GRIDLINES	2950
	M_LAYOUT_ZOOM_IN	2951
	M_LAYOUT_ZOOM_OUT	2952
	M_LAYOUT_ALIGN_HORIZ_CENTER	2953
	M_LAYOUT_ALIGN_VERT_CENTER	2954
	M_LAYOUT_ROTATE_FRAME_0	2955
	M_LAYOUT_ROTATE_FRAME_90	2956
	M_LAYOUT_ROTATE_FRAME_270	2957
	M_LAYOUT_ADD_POLYGON	2958
	M_LAYOUT_ADD_POLYLINE	2959

Function/Statement Name	Description										
Server_ConnectInfo() function	<p>Has new <i>attribute</i> parameters:</p> <table border="1"> <thead> <tr> <th>Server_ConnectInfo() returns:</th> <th>ID</th> </tr> </thead> <tbody> <tr> <td>SRV_CONNECT_INFO_DATABASE_NAME</td> <td>6</td> </tr> <tr> <td>SRV_CONNECT_INFO_SERVER_NAME</td> <td>7</td> </tr> </tbody> </table>	Server_ConnectInfo() returns:	ID	SRV_CONNECT_INFO_DATABASE_NAME	6	SRV_CONNECT_INFO_SERVER_NAME	7				
Server_ConnectInfo() returns:	ID										
SRV_CONNECT_INFO_DATABASE_NAME	6										
SRV_CONNECT_INFO_SERVER_NAME	7										
Server Refresh statement	New <b>Rec</b> token (integer variable type) that refreshes that specific row in a relational database (RDB) table.										
Set Layout statement	New <b>Smart Guides</b> token. When turned <b>On</b> , then every page in the <b>Layout</b> window will have smart guide behavior turned on.										
TableInfo() function	<p>Has new <i>attribute</i> parameters:</p> <table border="1"> <thead> <tr> <th>TableInfo() returns:</th> <th>ID</th> </tr> </thead> <tbody> <tr> <td>TAB_INFO_QUERY_STRING</td> <td>56</td> </tr> <tr> <td>TAB_INFO_ISHIDDEN</td> <td>57</td> </tr> <tr> <td>TAB_INFO_NUM_BASETABLES</td> <td>58</td> </tr> <tr> <td>TAB_INFO_NUM_BASETABLE_ALIASES</td> <td>59</td> </tr> </tbody> </table>	TableInfo() returns:	ID	TAB_INFO_QUERY_STRING	56	TAB_INFO_ISHIDDEN	57	TAB_INFO_NUM_BASETABLES	58	TAB_INFO_NUM_BASETABLE_ALIASES	59
TableInfo() returns:	ID										
TAB_INFO_QUERY_STRING	56										
TAB_INFO_ISHIDDEN	57										
TAB_INFO_NUM_BASETABLES	58										
TAB_INFO_NUM_BASETABLE_ALIASES	59										
Set Table statement	Has a new <b>Adopt Transaction</b> clause that allows adoption of transaction files created by MapXtreme.NET on a table opened in MapInfoPro.										
Refresh Designer Frame statement	This statement can now also be used on text frames.										
Open Table statement	Has a new optional token <b>MRU</b> . If present, it adds the name of the successfully opened table into the MRU list.										
Select statement	Has a new <b>Hide</b> keyword. When this keyword is used, the query table is created as a hidden table.										

Function/Statement Name	Description				
Create Table statement	The optional <b>Hide</b> keyword is used to create a table which does not appear in the Table List UI. The TableInfo() attribute TAB_INFO_ISHIDDEN will return <b>true</b> .				
Browse statement	The optional <b>Hide</b> keyword creates the window in a hidden state, and behaves the same as the <b>set window id hide</b> . You can then show the hidden window by using the Set Window...Show statement.				
Map statement	The optional <b>Hide</b> keyword creates the window in a hidden state, and behaves the same as the <b>set window id hide</b> . You can then show the hidden window by using the Set Window...Show statement.  Added <b>Redraw</b> clause to the Map From statement. Redraw has three options, On, Off and Suspended. These options are the same as the Redraw options for the Set Map statement. This provides a way to create a map window that is initially in the specified redraw mode.				
LayerInfo() function	Has a new <i>attribute</i> parameter:  <table border="1" data-bbox="682 1050 1425 1201"> <thead> <tr> <th>LayerInfo() returns:</th> <th>ID</th> </tr> </thead> <tbody> <tr> <td>LAYER_INFO_LEGEND</td> <td>86</td> </tr> </tbody> </table>	LayerInfo() returns:	ID	LAYER_INFO_LEGEND	86
LayerInfo() returns:	ID				
LAYER_INFO_LEGEND	86				
Create Text statement	The (x2, y2) coordinate is now optional and specifies the opposite corner of the rectangular area which the text will fill. This coordinate is still necessary when creating text in a Map window, but is optional when creating text in a Layout Designer window.				
SessionInfo() function	Has a new <i>attribute</i> parameter:  <table border="1" data-bbox="682 1554 1425 1705"> <thead> <tr> <th>SessionInfo() returns:</th> <th>ID</th> </tr> </thead> <tbody> <tr> <td>SESSION_INFO_TEMP_PATH</td> <td>7</td> </tr> </tbody> </table>	SessionInfo() returns:	ID	SESSION_INFO_TEMP_PATH	7
SessionInfo() returns:	ID				
SESSION_INFO_TEMP_PATH	7				

For details see the *MapBasic Reference Help*

## Compiling MapBasic Samples without Admin Rights

The sample applications shipped with MapBasic are installed into the Samples sub-directory where the MapBasic EXE is installed. You may not have administrator privileges or write access to that location. If not, you will not be able to compile the samples. You either have to copy the sample application files you want to compile to a location where you have write access, or run `MapBasic.EXE` as Administrator. To run the EXE as administrator, just right click on the `MapBasic.EXE` file and choose `Run as administrator` from the menu.

## Progress and Resolution of Outstanding Issues

### Version 17.0.3

Issue Number	Description and Resolution
MIPRO-108937	MapInfo Pro ignores the <code>Position</code> clause in <code>Dialog</code> statement. <b>Resolution:</b> Fixed.
MIPRO-108614	When attempting to load a 32-bit DLL from MapBasic using a 64-bit version of MapInfo Pro, an incorrect error message would appear. <b>Resolution:</b> Fixed. This has been corrected and the error now says: <code>Unable to load &lt;DLL name&gt; because it is not a 64-bit library.</code>
MIPRO-105433	Cannot assign a custom cursor to a Tool within an Integrated Mapping Application. <b>Resolution:</b> Fixed.
MIPRO-99015	Using the <code>GetLiApiAccessToken()</code> method in MapBasic results in an error. <b>Resolution:</b> Fixed.
MIPRO-93602	Run Menu Command Ids were missing for <b>Add Gridline</b> and <b>Save Current Workspace</b> commands. <b>Resolution:</b> Fixed. Command IDs were added for the above commands. <ul style="list-style-type: none"> <li>• <b>Add Gridline</b> - <code>M_VIEW_GRIDLINE_CREATE</code> = 845</li> <li>• <b>Save Current Workspace</b> - <code>M_FILE_SAVE_CURRENT_WORKSPACE</code> = 136</li> </ul>



## Version 17.0

Issue Number	Description and Resolution
MIPRO-94719	<p>ForegroundTaskSwitchHandler procedure no longer working.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-94716	<p>While using the MapBasic command <code>Create Text</code>, the text appears truncated if the (X2/Y2) coordinates are not provided.</p> <p><b>Resolution:</b> The "Create Text" statement has slightly different behavior now (as of version 16.0.3) if it is created into a legacy Layout.</p> <p>If a legacy Layout is created in an MBX or WOR, the X2/Y2 parameters will be ignored and the text frame will be auto-sized when the Layout is converted to a Layout Designer.</p> <p>If a Layout Designer is created in an MBX or WOR, the X2/Y2 parameters will be honored and the text frame will be sized based on those values when created in a Layout Designer. As of version 17.0, the X2/Y2 parameters are optional, and if left out, the text frame will be auto-sized when created in a Layout Designer.</p>
MIPRO-93631	<p>Unable to load resources from an assembly with spaces in the path.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-87874	<p>MapInfo Pro closes unexpectedly while creating a Button Pad using the <code>Create ButtonPad "&lt;ButtonName&gt;" As ToolButton</code> statement if the <code>&lt;ButtonName&gt;</code> begins with digit.</p> <p><b>Resolution:</b> Fixed.</p>



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