



New Features and Bug Fixes for Version 5.2

- Display**
- 2994 - New Frequency Plot envelopes
 - 4043 - Data Views Converter "browse for folder" box is now sizable.
 - 5077 - New Library Toolbox options on right click menu - Rename and Delete
 - 5124 - Nyquist, Octave Band, Frequency Response and Cross Plots now export data to Excel
 - 5266 - Moving Map display now supports four targets
 - 5303 – The ICAW property sheet only displays a file name unless you click on the text box, then entire the path is displayed
 - 5332 - New Fill Percent offset now available for all primitives
 - 5341 - Primitive Controls now have a Fill up, down, right or left option
 - 5405 - Maintain a primitive control's shape during resizing operations
 - 5452 - Data Views Converter Dialog title now shows the Data Views file name and gives options for setting Analysis Window name to view file name and maximizing the newly created window. Converts text graphics and color changes on text strings in subdrawings. Now supports: !!Flight_number, !!Mission_Date, !!Tail_Number, and !!Test_Number.

- Compute**
- 735 - New Fixed Block Cross Plot
 - 5137 - New Order Analysis on Frequency Plots
 - 5236 - Real Time Randomdec now includes Time History Curve Fit as a fitting option
 - 5339 - Real Time Frequency Plot Curve Fit results are now saved in the Analysis log with the "L" key hit

5506 – New Tracking band pass filter derived function

Configuration Tool

5143 - Temporary parameter data source manipulation and logging

5344 - Insert row above and below selected line in a configuration file

5392 - New Comment strings in the Configuration tool

5497 – Ability to turn parameter update warning messages on or off

5510 - Inactive parameters are displayed with gray text

5597 - Optimized all internal database search capabilities

Client

4235 - Fully functional “/local” mode for the client. Stand alone operation no longer requires a Post Test Data server

4744 - The ZBall - New compressed IADS configuration file, support for multiple files and automatic registration of COM Objects

4798 - Optimized the loading of large numbers of displays

4958 - New Derived Function “current time of year wall” returns the current PC time as a counter

5013 - Optimized the Parameter Tool’s search capability

5136 - Parameter Names starting with numbers now properly load into MATLAB

5140 – Auto-register .dll from COM directory in the Z ball in Real Time.

5141 - Com objects auto registered on clients from Z Ball.

5146 - Change default LAN connectivity for JSF

5149 - Export from Real Time Randomdec, Cross Plot, Nyquist to MATLAB

5188 The Query Builder in the IADS Logs now allows user to type in a filter without having a matching Group and Subgroup

5287 - New “%#T” option added to ActiveX text format list, used in conjunction with the derived function GetTimeOfYear() to display IRIG time

5378 - Ability to disable the freeze key using the “/nofreezekey” command line option

5477 - The “GetValue” derived function can now work across different Analysis Windows

5509 - New Parameter sharing technique in order to optimize network throughput and client-side memory usage

5525 - Imported displays now automatically add an entry in the Parameter Default State table if required to enable

5563 - New derived time functions including, “EndTime” which is seconds since midnight and “EndTimeOfYear” which is seconds since start of year

System 3996 - Now support Asynchronous data types

4430 - Now support Periodic data with time jumps

Caching Data Server 5145 - CDS now supports the acquisition of 64,000 parameters up to 1 million samples aggregate rate

Post Test Server 5397 - Comment field now includes a popup hint

5463 - New “/IgnoreNonlocalClients” on Post Test Data Server command line switch

Support Tools 5144 - Stand alone program to check media classification

Operators Console 5244 - Operators Console now can rediscover client workstations

Bug Fixes 3223 - Text Matrix now displays row numbers > 65K

4441 - Derived Engine correctly freezes and unfreezes primitive controls

4644 - Parameter Default List sort feature now takes into account numbers

4711 - Post Test Data Server compression now handles new IADS data files types

4776 - Interp1d in linear mode no longer fails on points that outside the range of the table list

4798 - Optimized loading time for Analysis Windows with large numbers or controls

4867 – MATLAB path placed at the end of “\$Path” environment variable

4891 - LED Active X control not circular if height is set to even number

4949 - Z Order correctly working with overlays

Bug Fixes

- 4965 - Copy/Paste of a primitive control with a parameter now contains correct parameter information
- 5013 - Parameter Tool sort function optimized for large number of parameters
- 5022 - The ICFB embedded in the UFD's path now saves correctly
- 5024 - Fixed Major GDI handle leak when creating Line and Polygon primitive controls
- 5073 - Action control with input button in tab now consistently working on button click
- 5077 - Library tab optimized for speed in loading bitmaps
- 5085 - Parameter validation process optimized for large number of parameters
- 5091 - Configuration tool restores the last window matrix displayed or none if all windows are closed
- 5099 - The Line and Polygon rendering Fill Style works properly when set to Gradient
- 5126 - Double click auto size of text primitive now includes the border width
- 5136 - Parameter names that do not start with a letter now import correctly into MATLAB
- 5152 - Dynamic Wizard no longer closes when System Color palette selected
- 5158 - Fixed Block Frequency Plot calculates correctly when type set to single waterfall
- 5161 - Mission Attributes table no longer allows you to create a parameter based on an empty row
- 5164 - Rotation of Line and Polygon primitive controls no longer clipped by bounding rectangle
- 5177 - Popup hints on Active X controls no longer remain on the screen after cursor is moved
- 5190 - Parameter names with comma's now load properly in saved Active X control
- 5191 - Displays inside the Tab Folder no longer walk when Desktop reloads
- 5196 - Text objects now update correctly when dynamics are used on the "text" property
- 5202 - Text primitive now handles table interpretation correctly
- 5204 - Octave Band with dB-SPL enabled now properly handles a parameter change
- 5206 - Deleted Library objects marked for deletion now behave like other displays marked for deletion

Bug Fixes 5207 - Frequency Plot single waterfall mode hint following non visible data

5208 - The “GetValue” derived function for text objects with sample rate ≥ 100 returns correct data values

5210 - Alpha Numeric Table dynamic label edit is now shown correctly in the properties sheet

5211 - Bounding rectangle was clipping circle border – user set width now increases on the inside

5232 - Desktop Export no longer allows user entry in the drop down menu

5248 - Fixed Overlays Z order save

5250 - The Desktop and Analysis Window export now supports Input, Overlay and Library objects

5251 - Layers toolbox now saves properly when using a second monitor

5265 - Fixed import and export of Library Objects between different Users

5289 - Display precision updated to include 64 bit for various data format types

5275 - ActiveX right-click correctly assigns layers

5292 - Active X Mesh display with large data value on Scale property no longer exits application

5297 - Fixed Text Primitive from stopping to update after bringing up property dialog or hitting Save Config on the dashboard

5298 - Right click on Alpha Numeric, Alpha Table and Annunciators now correctly adjust the precision when format type is changed

5302 - The Annunciator display is no longer missing the “data precision” property from right-click popup menu

5307 - The ICAW Property Dialog now disables the list box on the “Columns” tab when multiple displays are selected

5308 - Copy and Paste of tab displays now include embedded displays

5311 - Non-visible display tabs now hold thresholds properly

5312 - CDS now properly converting pre 5.0 configuration files

5314 - Mission Attributes dialog no longer duplicates entries when type is changed

5316 - Copy and Paste after resize of window no longer results in display being resized after save and change desktop

5318 - Fixed Parameter still showing in parameter tool after changing active and inactive states

Bug Fixes 5330 - Cross Plot number of data points on the tail now persists properly

5331 - Frequency Plot logarithmic scale for the single waterfall X axis now in correct location if in is not 1.0

5334 - Cross Plot property sheet parameter changes now persisting properly

5335 - Data Views converted text no longer “walks” off screen

5336 - Data Views auto enable working correctly

5337 - Primitive control’s Fill Percent no longer draws border includes border

5338 - Data Views converted files were not saving properly if a parameter was not attached

5342 - Global Parameter Replace now works properly with derived parameters

5345 - Optimized the Text Matrix sort capability

5346 - Optimized Configuration Tool Save options

5348 - IADS now compatible with MATLAB 7.2

5357 - Now clamping “CurrentTime” derived parameter time to 1 million

5361 - License keys are no longer being overwritten on a reinstall

5372 - Parameter Tool quick find feature now works properly

5380 - Real Time Randomdec property sheet grayed out if launched from a Time History Curve Fit

5382 - Dynamics freeze state not updating to all settings properly

5383 - Wait cursor now displayed when performing a large import into the Configuration Tool

5387 - Fixed crash when de-selecting a visible envelope on a Cross Plot via the right click menu

5389 – Strip chart and Frequency Plot data import options now operate consistently

5400 - Non IADS Active X controls properly persist

5409 - The Layers Toolbox no longer crashes on application exit

5410 - The Hex value from one control now correctly displayed in another

5415 - The Input Object Button no longer freezes if an Analysis window is unlocked

5416 - An Input Object drop down attached to an Action button with go to window enabled now works properly

5418 - Text controls were not displaying the correct values when a parameter was assigned to both the “text” and “value” properties

Bug Fixes

- 5424 - Fixed First table entry displayed problem in Classification table
- 5427 - Message Log button was not redrawing after being clicked
- 5436 - Fixed Text controls positioning problems
- 5439 - Fixed Analysis Window resizing issues related to resolution settings
- 5453 - Global parameter replacement now works with the ICAW table
- 5454 - ActiveX control hints now removed with mouse move
- 5458 - Dynamic Wizard dialog now works with 64K parameters
- 5460 - Frequency Plots with multiple parameters and buttons disabled now saves properly
- 5461 - Optimized the Copy and Pasting of large numbers of entries in Parameter Defaults table
- 5462 - Parameter labels now center properly when other buttons are disabled
- 5470 - Fixed errors with partially displayed OpenGL displays
- 5471 - Wait cursor now displayed when Analysis Windows are imported
- 5473 - Fixed various display geometry calculation issues
- 5476 - Copy from a display folder now pastes at cursor location
- 5482 - Toolbox Library objects now displayed correctly dialog
- 5487 - Corrected sorting logic in the Configuration Tool
- 5490 - System now accepts the "&" character in a Desktop Group names when used in Data Groups table
- 5494 - Fixed Configuration Tool Undo and Redo crash
- 5495 - Edit box is no longer off the edge of window in Database Table panel
- 5499 - Renamed "SetParameterDelay" derived function to "SetTimeOffset"
- 5501 - Fixed Change Desktop crash with large configuration files
- 5505 - Frequency Response Plot (fixed block) now displays correct phase units
- 5507 - Text Primitive copy and paste no longer goes outside of bounding rectangle
- 5511 - Configuration Tool sort option works correctly with blank cells
- 5513 - Drop Down input object value index can be used in a derived parameter

Bug Fixes

- 5517 - Dynamic Wizard parameter name hints now update properly
- 5520 - Dynamics Wizard interpolate was not working if text is blank
- 5534 - Parameter Tool now updates properly if a Group or SubGroup doesn't exist in the Parameter Defaults Table
- 5538 - Overlay controls that have layering set, now layer the objects inside the control
- 5554 - F-16 functions DLL no longer crashes when application exits
- 5557 - Text primitives in Library now hold correct font size on drop
- 5569 - Text primitives corner style emulates rectangle primitive options
- 5593 - "SetParameterDelay" derived function now works properly with filtered data
- 5599 - Dashboard fonts are now correct at 120 Dpi