



## **New Features and Bug Fixes for Release Version 5.3**

Release Date: 5 March 2007

### **Display**

- |      |   |
|------|---|
| 5411 | Input Slider object now has user defined increments   |
| 5414 | Input Toggle switch can now be oriented horizontal or vertical  |
| 5596 | Now have more user control within the Real-time Randomdec process; “x” to enable/disable Log Decrement, “y” to enable/disable Log Dec Averaging and “z” to enable/disable Log Amplitude |
| 5851 | New data grid setup options for the Strip Chart display – Time-based Strip Chart grids  |
| 5854 | Can now add/edit a user defined label on the Strip Chart display title  |
| 5855 | Can now rotate the Strip Chart’s Time display label   |
| 5932 | Can now disable current time label in the Strip Chart Time display  |
| 5936 | The Strip Chart Time display can now lead or lag the time value display   |
| 3935 | Performance Upgrade: Display clients no longer send unnecessary database queries to the Caching Data Server   |
| 5823 | Implemented new Database notification callback to COM based function  |

5835 Performance Upgrade: Parameters are now shared on a single ActiveX display when used in multiple dynamic properties

5887 Performance Upgrade: Update rate of displays no longer seems sluggish

5890 CDS Data Storage information table now clears on startup

5911 Analysis window resized to a small size now saves properly

5993 Performance Upgrade: The Excitation parameter selection box comes up quicker with large number of parameters

## **Configuration Tool**

5907 New Desktop summary report

## **Client**

5385 Can now jump to a parameter definition in the Parameter Defaults table from the Parameter tool, Configuration tool and ActiveX controls

5776 Analysis window now has a Floating window style that shows/hides the attached window toolbar

5094 Library Toolbox now allows name changes and highlights newly added objects

5279 TMat import now allows parameter undo after adding to parameter defaults table

5749 Performance Upgrade: Derived equation engine now has parameter sharing

5781 Performance Upgrade: Use time based hashing technique to eliminate blocked requests with multi-out COM functions

5834 Performance Upgrade: Large desktops no longer using large amounts of memory

## System

5144 Classification display will now show a host name instead of an IP address

## Caching Data Server

5472 Performance upgrade: the CDS was optimized for large database updates during real-time

## Post Test Data Server

5480 New data acquisition interface for the Test Pilot School's MLB BAT UAV input data stream

5574 Performance Upgrade: Large Configuration files now load from a network drive in a timely manner

## Bug Fixes

5329 CDS now processes PRN file if no carriage return is at the end of file

3940 Tables printed from Configuration tool now include classification

5355 Data Views in IADS displays correct values for source field parameters

5340 "GetDataStatus" derived function can now use parameter names as input

5437 Edwards MCS now installs FRC server exe on the CDS by default. Fixed flashing display with Ops Console, DLL distribute now uses previous path

5891 Computing a Frequency Response Plot from a Strip Chart no longer crashes.

5481 Resize issues with previously saved displays now size correctly

5486 Maximum input sample rate is clamped to 100000 to prevent errors (access violations)

5602 Real Time RandomDec now allows filter to be set while it's updating.

5605 Real-Time curve fit logged results now set focus to the Analysis tab of the IADS Log.

5620 Frozen Frequency Response plot now properly transferring data to the Nyquist Plot

5665 Octave Band display properly shows "<Time not Synced>" when in scrolled back mode

5706 The derived "GetValue" function now gets sample rate from input parameter if available

5717	Frequency Plot no longer hangs doing a multiple parameter drop in water fall mode
5722	Cross Plot Envelope names now show properly in plot
5729	Printing the Analysis window now working properly
5730	Standard Gauge thresholds no longer disappearing
5733	TMATS import/save in Parameter Defaults now pushes to other clients
5735	GDI resources no longer prohibit printing of a Analysis window
5739	RMS total time above limits now logging correct information
5745	Layers toolbox no longer crashes application upon log off
5762	Highlighting of cells in configuration tables, not always highlighting correct cell
5763	Real Time Random Dec table in the Configuration Tool now opens for display even when it is empty
5767	Fixed error in Post Test Data server reading SPA files
5774	Grouped controls set to never freeze no longer cause the CPU usage to jump to 50% when Analysis window is stopped
5808	Malformed "If-Then-Else" statement no longer causes application to exit
5824	The derived "SetEquationUpdateRate" function no longer causing blocked requests
5832	The 'All' Strip Chart button no longer causes scrollbar buttons to move the puck in the wrong direction
5840	Performing a CDS reset when using a L3/Vista no longer crashes the CDS
5842	Ops Console Decom status now working with L3/Vista
5859	Nulling information is now propagated to Active X controls
5866	Active X controls no longer rendering when Analysis Window is stopped and frozen state is normal
5869	Frequency Plot waterfall plot option now saves scales correctly
5870	Frequency plot filter dialog now saving elliptic stop band frequencies
5871	Frequency Response plot "u" key hit disabled for FSP active
5884	Strip Chart labels no longer drawing in white color
5885/5950	Ops Console flight data gets properly updated in Mission Attributes table
5913	Configuration tool current edit box drop down properly saves on close

5919	Strip Charts now refresh when window saved in a pause mode
5928	Fixed memory leak when changing desktops
5935	The Audio and Video players now no longer save unless modified
5937	Fixed memory leak in the Post Test Data Server
5940	Multi-graph display no longer locks up when large value parameters are dropped in property sheet
5942	Standard Gauge display no longer causes low update rates when “tickmark” property value is a large number
5951	Mission Attributes “aircraft number” field is now converted to “tail number”
5952	Replacing derived parameter in Strip Chart no longer crashes application
5956	Standard Gauge display no longer allows zero for the ending position angle from start
5961	Active X displays imported from different resolution now display correctly
5974	The “GetValue” derived function set to ASCII type no longer fails
5977	Fixed CDS 64 bit concatenation
5978	Pop up hints no longer run off the edge of the screen
5982	Cleared rows in database table now save properly
5989	The “All” Strip Chart speed button on the Analysis window is now disabled in real time
6029	Previous ZBall no longer included into new ZBall
5991	The IADS application no longer crashes when switching tabs