



Release Notes Version 9.2

Release Date: June 2017

1. IADS capability with Windows 10.
2. IADS embedded Acra Vid106 video will require you to install LAV Filters <https://github.com/Nevcairiel/LAVFilters/releases>.
3. Matlab 64 bit mex function dlls are now provided in the “C:\Program Files\IADS\MatlabExtension” directory. Users upgrading to 64 bit systems in the previous version of IADS were failing due to the missing Matlab 'Path'.
4. Changed "L3 MFT800 Vista" data source option in the Start Wizard to "L3 MFT Vista".
5. Logic to find Lumistar LS50 DLL has changed. Installed directory is looked for first and then the PATH environment variable is consulted. If those fail, the process is stopped with an error. Also, the IADS install no longer contains any version of this DLL.
6. New consolidated IADS Programming Guide included with the IADS installation at “C:\Program Files (x86)\IADS\Documentation”; replaces the individual tutorials that were included in previous versions.

IADS CLIENT	
<i>New Features</i>	
10876	ActiveX display property sheets now show a red X for a bad parameter that is attached to the display.
11289	Enhanced Analysis Window “Full Screen Mode” option on right-click menu (Size > Full Screen) maximizes window; no title-bar, Scrollbar, classification bars or Toolbars.
11582	Core displays now have a “Default Properties...” setting on the Display Builder icons and on the display’s right-click menu.
12178	Replaced generic IPAT error message to return the specific derived equation error.
12195	New Text History Viewer “TriggerEquation” property specifies a conditional equation that dictates when new rows are added to a display based on the “TriggerOutputType” property.
12225	New custom function to output CVSD audio “IadsSoundFunctions.CVSDDecode”.
12279	New Tablet mode where Analysis Windows are optimized for the maximum viewable area available on a smaller form factor.

12349	Can now use equations in place of parameters in the TestPoint Calculated Derived macro.
12359	Primary Flight Display new properties: Compass Color, Pitch Label Color, Pitch Ladder Color, Slip Color and Horizon Color. ADI Display new properties: Compass Color, Pitch Label Color, Pitch Ladder Color, Horizon Color and Symbol Color.
12405	“Edit Cell” added to the IPAT Tool and the Configuration Tool for the ability to wrap long derived equations to make entering/editing easier.
12406	Users are now notified when Mission Attributes affects existing entries.
12425	Select/Deselect button hint renamed to “Select/Deselect All Data Displays” (not applicable to Active X controls).
12556	Test Points now include executables (.exe) as plugin interface.
12567	New target symbols added to the Moving Map Display: AH6, AH64, CH47 and UH-60.
Bug Fixes	
9701	A Cross Plot with tail thinning applied does not always draw correctly.
11300	Event Monitor failure to open file causes the display to never cease trying.
11799	Ave, Sum and Prev functions do not work with aperiodic parameters.
12106	IPAT Tool does not advance/retract data correctly when on the “Time History” tab.
12212	2D Moving Map tail buffer is not updating when “Run While Minimized” is set and the Analysis Window is minimized; or on non-visible tab.
12215	ICAW CSV import recognizes pipes as separator, when comma is defined as separator.
12220	Data Export Wizard not handling decimation correctly. The dialog has been updated so only one, either decimation or sample rate can be entered.
12240	Iadsread failing to add data to array if either the start or stop time is outside of the data range (and not both).
12242	IADS Situational Awareness (SA) display issues with targets and flight paths.
12243	2D Moving Map display does not properly translate aircraft over Prime Meridian.
12272	Dynamics Wizard does not allow certain characters in the edit box, for example “(“.
12310	Data Export “Header Rows” property does not automatically quote strings that contain commas.
12314	Resizing the Parameter Attributes Viewer window does not resize the grid. No horizontal scroll for viewing large property entries.
12321	Core Displays do not show red '!' next to Properties on right-click menu when there are translation/dynamics errors.
12358	Data exported to Matlab is put into the global workspace is conflicting with users local variables inside functions.
12375	IADS Key Manager failing to license any IADS executable if there is a zero value in both the first two bits of the sysId or key.
12387	Data File import from Start dialog does not automatically calculate the export sample rate when the time column is checked.
12398	Failures on accessing 1 st data point on requests made before the start of data.
12421	Dragging a Test Point marker with “ActionOnStop > CalculateDerived” set is putting the result into the wrong row.

12448	Getting update rate from a derived equation returns wrong value if the sample rate in the Parameter Defaults table is empty or incorrect.
12473	Aperiodic (non-IAP) derived parameters returning incorrect results when accessing previous value of its own equation.
12476	ConfigAPI returning the same column values for the TestPoint collection and Planned Test Point Tables.
12479	Exporting an Analysis Window or Desktop with an Interpolate function that requires an external file is not getting included in the export.
12480	Aperiodic parameters in a Cross Plot do not show the “tail length”
12503	Exporting aperiodic data to Excel does not work.
12539	Text Matrix cannot display any cell over 40k characters long. Cell contents will disappear after the edit box closes.
12542	Hang-up condition during “Calculate Derived” Test Point processing.
12560	Startup/load condition for drawing discrete data on Stripcharts incorrect.
12563	BCDtoValue function fails when start bit is set to zero (0).
12570	Exporting an Analysis Window or Desktop does not include the ICAW Definitions table (for a display using the table).
12627	Configuration import wizard fails to find conflicts on Parameter Default (PD) entries when PD column different.
12629	Exporting an Analysis Window (AW) with an Overlay object only exports those library objects included on that user’s Desktop (library objects not exported if AW not on user’s Desktop).
12638	"If then" statement does not work on OA Server.
12644	ICAW display not getting exported with its parameters.
12649	Data hint does not update with the correct time when transitioning from Page Down to Page Up buttons or vice versa.
12664	Edit points are visible when a Line or Polygon is selected and the Analysis Window is locked.
12669	Issues with scrollback in post test when connected to a Post Test Data Server.
12693	Export of IAP parameter does not include its dependent input parameters.
12774	Stripchart cannot hint/select the first value of an aperiodic parameter.
12826	Cannot see the text on a Stripchart with a black background color.
IADS DATA PROCESSING	
<i>New Features</i>	
12187	Support for SAMDEC8 via SAMDEC7 interface.
12265	Support for L-3 MFT-800 decom.
12300	“Prevent Archive Overwrite” is now ON (default) when creating a new startup file.
12355	Non-multi-cast UDP data sources no longer need a NIC assignment.
12430	Support now included for Curtiss-Wright (Acra) UBM card.
12431	Support now included for Curtiss-Wright (Acra) PBM card.
12444	Instrumentation list for Chapter 10 sources now allows you to use shift and control keys to select multiple files in the list.
12466	Support for IENA and iNetX embedded in a Chapter 10 Ethernet channel.
12511	Support included for Heim Chapter10 H.264 video and audio.

12514	Elevated privileges no longer necessary to run IadsTpp plugins.
12599	Transport stream files automatically created now for H.264 video via IadsTpp.
12626	New Matlab mex function "iadswrite" to write data to the IADS Server in real time.
12704	iNetXPlugins.ARINCPlugin now adds bus ID to final data word so that multiple ARINC busses can be muxed together (Arg6 – The ID instrumentation has given this bus; must match whatever number convention it uses. Default = match to any).
12705	At the request of Curtiss-Wright, the prefix for all stream names has been changed from "IENA_" to "Pckt_". This will impact any parameters automatically generated by IadsTpp like sequence numbers and plugin parameters.
12789	For the Acra ARINC plugin, the composite bus channels will each get a separate parameter. Parameter names will be PacketName_ChXX_Block, where XX = the 0-based channel number.
Bug Fixes	
12250	Duplicate parameters getting appended incorrectly to the config file during validation when using config append/purge modes.
12285	The PCM code for XidML 3.0 was incorrectly identified as NRZ-L in all cases.
12319	The latest Lumistar driver "setup-LDPS_8x_8.93_w64.exe" no longer requires you to run as admin.
12413	Order Arrival (OA) IAP Server not fully discarding invalid equations.
12420	Corrections to "Channel Mapping" page in Start Wizard.
12489	OA IAP Server not supporting blob parameter types when processing Chapter 10 over a slow network.
12543	Potential IADS server exit with many dropped Chapter 10 UDP packets.
12561	VID106 processing crashed due to bad data.
12604	When Acra NETREC loses power, packets can become corrupted. So if packet size is unreasonable Acra PCAP file processing will stop.
12636	Child parameters of Alenia PDF files that are signed do not come out properly.
12647	The initial data call to the SAMDEC decom can be quite lengthy so the client launch for GSWorks/kQuicklook will be delayed until after it returns. This should prevent the client display from coming up without data.
12730	Red X appearing on displays that use the IadsBus custom function with aperiodic parameters.
12733	Acra plugin software was ignoring network interface card (NIC) selection from IADS start wizard.
12783	IADS Server hang-up when dropped UDP packets occur.
12837	Order of transmission (MTO) is not being picked up for 1553 measurements in TMATS file.
12862	For the Acra IENA/iNetX data source, if the user selected a PBM stream by checking on the check box but didn't attached a PCM definition (leaving it as "<not set>") the software would return an error.
12864	DECOM function not selecting correct bytes when stopBit is not contained within last byte of word.
OTHER	
12640	New IIR Filter Designer Tool with Impulse Response Plot. BandStop and Impulse/Step response support are included with Bessel filtering.

<i>IADS Data Manager</i>	
12389	An invalid time range to certain export types may cause the application to exit unexpectedly.
12414	New “Search” capability in the IADS Data Manager to output data from one or more IADS archives.
12437	Aborts when a single run file line has more than 10k characters.
12606	On the Properties dialog of the Import command builder window, the “Sample Rate” and “Start Time” values get swapped when running the import command. Import command property mix-up when executing the command.