IADS

Release Notes Version 9.2.2

Release Date: July 2019

1. The Acra Compact Flash (CF) data source is now only available in 32 bit.
2. Curtiss-Wright TTC data sources are now available in GS Works and kQuicklook. kQuicklook playback sources such as Acra CF and Acra PCAP have been removed. (Please use GS Works for these data sources.)

IADS CLIENT	
New Features	
13134	Pen color in Stripchart can now change for every data point based on dynamics.
13143	Option to show completed TestPoints in list in green color.
13252	Quick View Display now has ability to filter list by Data Group.
13298	IADS Client now runs significantly faster on Intel i7 CPU based architectures.
13409	iadsread function now support multiple core processors.
13410	Frequency Plot now has an option to compute integration damping.
13418	The Dashboard and hints now have the ability to display alternative time formats.
13419	Stripchart now allows multiple scales to be displayed.
13435	iadswrite function now has the ability to append to the real time data server upon reconnection.
Bug Fixes	
12969	Corrected parsing errors that occur under certain formatting conditions in L3 System 550 parameter definition files.
12982	Playback Client Shortcuts no longer both point to the 32bit hive on a 64bit install of Real Time Station.
13195	Unmatched curly brackets in an equation now presents an error to the user.
13249	Display Tab title text no longer gets cut off if there is a "&" in the title.
13278	Potential IAP Server abort when IAP parameter dependencies occur across multiple IAP Servers – corrected.
13311	Variable names in a derived equation with curly braces now handle padded spaces correctly.
13333	Generic 3d model now saves and loads the ScaleModel property.
13350	Start menu items in Windows 10 are no longer ambiguous between 32 and 64 bit versions.
13379	Event Monitor now shows 'Filtering' on the right-click menu applicable.

13408	Mission Attributes parameters added through the Configuration Tool "Add Mission Attributes" now show data.
13452	IAP Parameter now properly updates sample rate when dependent on another parameter that is trigger based.
13460	Corrected potential issues with nested IAP parameters when using ulong trigger.
13463	Event Markers and TestPoint label are now visible on dark background Stripcharts.
IADS DATA PROCESSING	
New Features	
11537	TagData data gather support added to L3 Vista interface.
13029	Alenia PDF import now supports PCM word conflicts, sign magnitude data type and upper/lower limits.
13092	Improvements have been made to decrease the time it takes to acquire post flight data such as Chapter 10 and Acra PCAP.
13168	For DARv3 data sources that only have a single source (1 packet type) defined, the requirement for time to be flagged as "in lock" in the DAR packet header has been lifted.
13192	For the Chapter 10 data source, we have added support for signed numbers in the Climatronics plugin.
13226	Chapter 10 processing now includes support for user-defined UDP messages in Ch10 Ethernet channels. Messages can be defined using the Measurement Editor.
13344	Support now available for Lumistar LS-28 DRSM decom.
13357	For analog channels definitions in a TMATS file, if the ASF (Analog Sample Factor) keyword is missing, then a default ASF of 0 will be used.
13404	Rebroadcast TmNS page in the start wizard has been updated for better clarity.
Bug Fixes	
12874	Delay for CW-Acra IENA and iNetX data has been reduced.
12926	Saving files with the Measurement Editor no longer produces file names with multiple extensions.
13056	For 1553 channels on Chapter 10 data that comes from an upstream Chapter 7 source, all messages were discarded once an error was detected in that channel.
13109	Invalid data was appearing in Ethernet channels of Chapter 10.
13126	Chapter 10 analog parameters that are 32 bit packed are not decoded correctly.
13127	The derived equation for chapter 10 analog parameters is not getting picked up from the TMATS file. The DataArgument field is blank in the config file which results in an error for that parameter.
13136	There was an error saving the IadsTpp UDP custom plugin ID which resulted in the wrong plugin used on machines that had multiple plugins registered.
13144	Chapter 10 1553 packets sending back intrapacket time when used with unprotected upstream Chapter 7 source (i.e. TRM). This either forces a "stop" for that 1553 channel or time advances too slowly (i.e. previous time is used) which causes channel to fall back against others which can appear as a "Red-X".
13193	When importing TMATS into Measurement Editor, the BCD data type is lost.
13207	In the Measurement Editor, ARINC SDI choices no longer show up in 1553 message definitions.
13255	IadsBus.SerialText fails to parse data from CW-Acra UBM card.

13256	IadsBus.SerialText now accepts ASCII type parameters as input.
13270	Derived parameters created from TMATS file were not picking up parent parameter's sample rate.
13289	A user can now stop a test point started by another user.
13295	Group and subgroup values were not read into IADS Measurement Editor for ARINC and 1553 measurements.
13328	Data corrupted for high rate (> 300K SPS) parameters in iNetX packets.
13341	IadsTpp hanging on exit of Lumistar LS-50 data source.
13345	IADS server time validation was left on for Acra Compact Flash data processing which resulted in three seconds missing from start of recording.
13439	Fixed potential crash if Real Time Station cannot find instrumentation file.
13442	TMATS definitions for 64 bit floating point parameters were ignored.