GenWatch3 v.2.5.1 Release Notes

March 26, 2012

GenWatch3 has a new look! The GUIs and icons have been updated with a fresh appearance, and all reports have new icons. Many more exciting features are available in this release.

The following details resolved issues and new features in GenWatch3 v.2.5.1:

GenWatch3 Updates

Activity

- Users may now select between decimal and degrees, minutes, seconds GPS display formats

Affiliation

- Radio History Screen now allows database server and instance selection so that a GenGET database can be used for unit history
- End of call packets will no longer add a deaffiliated or deregistered radio to group windows
- Affiliation now updates if a system is removed from Alias
- Affiliated Radio Search will not show duplicate results
- Affiliation now updates if a system is removed from Alias
- Minimized windows are now autoarranged
- A radio is no longer displayed in two groups if it changes talkgroups immediately following an emergency call

Alerts

- A specific user is now limited to a single GenWatch3 login
- Emergency window now saves column widths to the database and the icon has been updated
- Emergency window now displays the wacn, system and zone associated with the emergency event
- Emergency window context menu now includes an option to clear all emergencies
- Client machine will prompt for host machine when logging into Alert

Alias

- Improved performance and stability of the Alias module by batch processing database updates
- Users can now press the Enter key to add or update items in the Status Sets and Message Sets options
- Unit resource information is now updated regardless of affiliation license status for Non-ATIA systems
- Duplicate channel numbers (other than 0) are no longer allowed during Alias import or add operations
- Message ACKs will now appear in unit history
- Channel property Available renamed to Offline
- Radio ID and Talkgroup default values will now be saved as expected
- Channel 0 no longer causes a memory leak
- When the case of a message or status set name is updated the changes will be saved to the database
- Fixed a memory growth issue when Add Child IDs and Add Child Talkgroups were unchecked
- The tree view will be updated to reflect case changes in the corresponding text field
- Exported zone resource list will no longer contain a blank column
- The Talkgroup Import screen is case insensitive to column headers during import
- Corrected fields in the Import column drop-down lists
- When deleting a system Alias will verify there are no CloneWatch ranges assigned to the selected system(s)

**AMNP**

- The Elapsed Time calculation in “End of Call” packets now uses the start and end of call timestamp values
- End of busy packets elapsed time now displays the expected value
- Additional validation is added when updating connections

**Archiver**

- Affiliations and deaffiliations are now stored in separate archive tables

**ATIA**

- Improved processing of Interzone packets
- The CallNumber (1-2048) is now qualified by zone
- Control Channels now show up quicker in Channel for ASTRO systems
- Private ring calls that end before they are active will now have correct timestamps
- CallerUpdate packets display correct end of call values
- Updated for compatibility with the SmartZone 7.11 protocol
- End Group Regrouping will no longer add Talkgroups to the Radio ID List in Alias

**Channel**

- Resources may now be quickly selected from a new tree structure
- Added statistics for airtime used to the Channel statistics window to more accurately report the time used on mixed FDMA/TDMA systems
• Improved performance of the Channel module on larger systems
• Hide and Show All buttons in Channel are now disabled properly in summary mode
• No longer shows end of calls for calls ended on interzone consoles
• New icon denotes site trunking or wide mode operation for each site
• Improved accuracy of call time calculations used in statistics
• Improved sorting of added/imported sites
• New icon denotes full or reduced (Fallback) data mode for each site
• “ActiveAndBusyFromFastStart” calls will no longer cause unending calls
• Double-clicking a channel that has not received activity will now correctly do nothing
• Enhanced precision of the statistics provided in Channel
• When ATIA TDMA calls end, Channel continues to show all slots
• Red-amber-green threshold buttons appear uniformly when the channel form is collapsed to its minimum size
• Loading Channel after deleting a previously selected resource will not give an error message
• Fixed call details spacing when one or more lines is blank and variable channel height is enabled
• Improved accuracy of statistics in multiple machine host/client configurations
• The End of Call Timestamp field will now only be displayed in End of Call packets
• Call Count statistic has been renamed to a more accurate Resource Use Count in Channel Statistics
• Fixed an error that could occur in the Statistics window
• Opening subsequent systems in Channel will now properly set the global settings
• Multiple console calls originating from the same channel now display information more clearly
• Corrected source zone Id logic for private calls
• Sites are now added in correct order if detail is selected
• Channel is now more responsive when opening for the first time after service restart

**CloneWatch**

• The Radio Search feature will no longer send a radio check to a radio outside the specified range when the last ID of the range is included in one of its excluded ID ranges
• Suspect activity that does not have a talkgroup will no longer increment the Distinct Groups column in the suspect hotlist

**Connect**

• Added LTE input for activity and statistics monitoring
• Added APM as a connection type
• Trap IDs correctly determined for SNMP versions 2 and 3
• Fixed an issue where some SNMP traps were ignored because their instance was not appended by a ".0"
Event Log

- Changes of network availability will be written to the event log

GenIIB

- AddedGenesis Interoperability Information Broker (GenIIB) module

GEnSAC3

- Added timestamps and heartbeats to the log file
- Merged View All Groups privilege into Access privilege

GenSPOut

- When clearing the padding settings of an output, the settings will be updated as expected
- Importing filter settings from a previous version of GenWatch or copying an existing filter now functions as expected
- The screen returns to a normal state after attempting to import an invalid file
- End of Busy output now contains an emergency flag field
- Pending changes must now be saved or cancelled before settings can be imported or exported

Group

- Minimized windows are now autoarranged
- Foreground and background color settings for the All Activity screen are validated to prevent using the same color for both which would effectively make the text invisible
- Group Tree option in Group will now mimic manual changes to the Group Tree width
- Changing colors in Group windows will no longer overwrite colors selected in Alias
- Interzone packets are now ignored in the Group module

Halcyon

- Added ASTRO25 Computer Aided Dispatch Interface connections
- The Remove button on the Options/Auto Call Alert window will only be usable if there are ID ranges selected
- Reports port conflicts when attempting to start RPC Connections on ports that are already in use
- More reliably display Zone and Site ID data in RPC version 3
- Settings have been added to CADI connection within GenWatch3 to ask for the proper ID format settings
• The service will continue to run if an invalid radio ID is sent in a command

**Installer**

• Offers the option of locating the database on a separate hard drive
• Database views are now created with encryption
• Added options for TCP encryption and compression
• Added an option to make the GenWatch service restart automatically on service failure
• Uninstalling a connected client with Launchpad open no longer results in an error message

**Launchpad**

• The “Add Tool” and “View License” buttons display correctly with the Raytheon branding
• Users with no access to modules will no longer be able to view a module product sheet
• Now ignores database-related actions when the database is down
• Temporary filter will only be updated when the user selects “OK”

**Location**

• Implemented changes for ASTRO 25 Outdoor Location Solution API v3.0
• Clients that cannot be DNS resolved can now connect to Location as clients
• Location connections are now compatible with MUPS that append the letter “H” to the end of subscriber radio IDs
• Now tests for invalid network server name entry
• Authorized clients are now rejected when they are disabled
• Updating the name of an active connection will no longer show a license exceeded warning

**Monitor**

• Added “Monitor” a new module for viewing infrastructure information and live statistics

**RCM**

• Failsoft commands will allow the user to choose a site if one is not defined for the selected Radio Command Capable Trunking Zone
• Minimized windows are now autoarranged
• Improved logic for selecting Talkgroups
• Improved reliability of the Database Snapshot command
• The audible alarm will now activate and the Silence Alarm button will turn red when there are any alarms with a New status
- The Command Monitor and other windows will be cleared when a user's role is updated.
- Users with limited Halcyon Radio Command privileges will be able to access the Trunking tab in Settings.
- Increased maximum cadence threshold for time to 24 hours.
- Resolved an instance where a user lacking the security privilege for "Selector Lock or Unlock" could send a command containing a selector lock.

**Reports**

- Files are now saved in the Reports directory under the current user's Documents directory.
- Alias and Asset History have been added to GenGET reports.
- The Radio Activity report will now populate the Target ID and Alias fields for Rejects when the information is available.
- The report wizard now closes with the module in the event the database goes down.
- The Call Activity report will now display "Yes" in the Emergency column, and selecting the "Emergency Only" report option will now work as intended.
- The Radio Discovery report now displays more precise information.
- The Grade of Service report will now display Statistical GoS for all rows in the report.
- The Busy Detail report now has a "NonData" option for Private calls.
- Corrected calculation for Average PTT Length and PTTs Per Minute.
- Site Affiliation Summary now displays the correct date/time.
- Average PTT Length and PTTs per Minute now displays correct total for AP/M Column.
- Activity Type will now be present on the Radio Activity Detail report for Regroups and Selector Locks that are not acknowledged.
- Data activity will now be displayed on the Activities Over Time and Channel Activities reports.
- Busies will no longer show on a separate row in the Group Usage by Radio report.
- The Selector Lock and Cancel Selector Lock commands will now be labeled correctly in the Radio Activity Detail report.
- The Radio Affiliation report will now populate the target ID and Alias fields for Rejects when the information is available.
- The % Total Call Time column is now more accurate on the Activities By Agency Over Time report.
- Improved sorting of data in the Radio Discovery report.
- Quality of Service: "N/A" will be displayed in the Statistical QoS column for sites that do not have channels defined.
- Grade of Service: The Unacceptable Busy Time value will be displayed in the report with the correct number of decimal places.
- GenWatch3 Reports now have the new GenWatch3 logos.

**RIM-II**
• Added data loss statistics to RIM-II module's service log output
• "AllowSingleWordIndividualCalls" (single word interconnect allowance) is now loaded on startup
• Fixed memory leak when calls end via TACDETTTimeout
• Ring ACK packets will no longer appear as Console activity
• Topaz connection now reports if the user selected band plan conflicts with the system reported band plan
• When entering frequencies, the GUI will now pad the frequency with zeroes if entered with fewer than 9 digits

RPC CADI

• Timestamps will now display the correct milliseconds
• More reliably display Zone and Site ID data in RPC version 3
• The service will continue to run if an invalid radio ID is sent in a command
• Allows underscores in username and password fields

RSP25

• End of Call Packets for Patch Calls will now have the Patch flag
• Emergency Busies display properly in all GUIs and reports
• Packets received during emergency alarms event renamed for clarity
• Band information display is now based on frequency
• Receiving an FMDA call on a channel will now end any active TDMA calls on that channel
• Reduced CPU usage for Topaz connections
• Millennium + TCP/IP settings will now be validated
• The connection icon will now reappear when the GenWatch host machine is restarted
• Data Channel Assignment packet details now contains Rx Frequency
• A Notification will be displayed if the GenWatch event log is full when using an RSP25 Millennium connection
• Link Down message now displayed for Millennium + TCP/IP connection type
• When units are in a call and deaffiliate, an End of Call packet is sent prior to the deaffiliation packet
• When entering frequencies, the GUI will now pad the frequency with zeroes if entered with fewer than 9 digits

Security

• Allows underscores in username and password fields
• Fixed an error that could occur when adding a new talkgroup to a user's group filter
• The correct list of privileges are displayed for the Connect module
• User notifications display additional information when available

**Service**

• TCP Signing and Encryption (between modules and GUIs) is now optional via the host’s GenWatch3.config file

**SNMP**

• Added Commscope SNMP messages/traps
• Fixed an issue where some SNMP traps were ignored because their instance was not appended by “a .0”

**SysLog**

• Users may now choose between several standard SysLog formats
• Invalid host name for a SysLog connection will no longer result in out of memory issue
• Syslog messages will now be transmitted to devices without DNS entries

**SystemSummary**

• Options have been added to ignore Consoles and/or Conventional radio activity
• Graphs correctly account for FDMA call activity
• Improved precision for the Usage Graph By Time when viewing Percent Usage
• Busies ended by TACDETT Timeout now calculate their duration using the timeout timestamp
• Graph tooltips now displays time values to the hundredth of a second

**SysVista**

• Improved processing of Call Update packets
• Improved accuracy of busy tracking
• Added an option to ignore conventional sites in the connected radios statistic
• Radios connected dial will show accurate values
• Ignoring consoles is now more robust
• Usage overview now correctly accounts for FDMA calls on a TDMA channel

**Trigger**

• Added Trigger options for APM Power, Loss and VSWR
• New icon denotes site trunking or wide mode operation for each site
• New icon denotes full or reduced (Fallback) data mode for each site
• Affiliation Threshold now evaluates on an average of previous samples
• New SNMP Traps transmitted for database up/down and GenGET connection link up/down events
• New SNMP Traps transmitted for TAP3 import success/failure and export success/failure
• Email settings are now disabled if using a "NoEmail" license
• Custom SNMP information is now retained during an upgrade
• Interzone packets are now ignored
• When creating a new trigger, Trigger will now automatically select the lowest unused event log ID between 1000 and 1999. Users may still specify a different ID, if desired.
• Diagnostic triggers now monitor for multiple or any diagnostic instead of just one
• Diagnostic triggers now allow specific WACN/System selection
• Diagnostic audio-visual notification now includes the user defined text
• Diagnostic event setup corrected to ensure only selected diagnostics are checked
• Improved handing of invalid characters entered into the message for an audio-visual, e-mail or SNMP trigger actions
• Improved accuracy of the Periodic Evaluation trigger’s affiliation timeout display
• Receiving Site of -1 no longer changes trigger settings behind the scenes
• Periodic Evaluation will now allow group selection for the first system
• Busy triggers will now verify the WACN:System
• “Unknown” is no longer a suspect reason
• Resolved an issue where trigger Event Location information was not being applied correctly to GPS Sensor triggers
• The message field will now display the existing value when editing an SNMP Message Action trigger
• Copying and editing a trigger no longer alters the original trigger
• Trigger monitoring for lack X number of event no longer restarts its timer after the first event
• Triggers that monitor SNMP traps behave correctly after an upgrade
• When calculating “presence of”, triggers do not consider events that occurred while the trigger was disabled
• GenWatch Event and Diagnostic Event triggers will no longer fire when disabled

GenWatch3 iVista Updates

• Added an indicator for the last run report so it can be more easily found
• Added previous login attempt information to be displayed to the user after successful login
• Added configurable setting to limit user sessions allowed
• Added the ability to disable iVista agency management features, which allows outside software to perform agency management without worrying about a conflict from iVista
• Added the latest system activity functionality for LTE GenGET installations
• Added correct password reset validation for servers that do not have SMTP working properly
• Fixed a bug where logging out sometimes displayed an unnecessary error
• Alias Management: The selected node will now be highlighted
• Detailed DIU Use Report: Improved input validation
• Site Activity: Includes data for the full date range when filtered by date
• The Reports Management link no longer shows up for users that do not have the privilege
• “Submit Query” error text now appears in a legible text color in the event this error is thrown
• Updated the Installation Manual for 2.5
• Now displays the “Long Name” of LTE Report on the Parameters Screen

Genesis Trio Updates

• Motorola LTE systems can now be billed and managed in Trio
• Trio customer and asset management is now possible via the GenWatch3 GenIIIB module for SMARTZONE/ASTRO systems
• Report results now append final page(s) that list the parameters selected by the user
• It is now possible to have a negative fixed charge for rate plan services
• Reports are now localized for Spanish and English
• Usage billing is now possible for Motorola LTE systems in Trio
• Trio is now able to manage Genesis iVista agencies and radios
• LTE usage can be exported to TAP3 files and reconciled against imported TAP3 files
• Jurisdictional billing is now possible for Motorola LTE systems in Trio
• Standard Trio reports can now report on data from Trio LTE modules and customers
• Organizational hierarchy of customers can now be defined via multiple nesting levels of parent/child customer relationships
• Customer Tree View can now list and display customer invoice, order, quote, credit, debit, and payment documents. The Treeview contents can also be printed.
• If licensed for Trio, then adding a new user in GenWatch3 Security will additionally add the appropriate Trio database user
EzSaveWin Updates

- The Terminal screen can now be expanded/shrunk when not connected to a controller
- Viewing manual diagnostic files in EzViewer no longer causes an unhandled exception
- Automatic Diagnostics which occur while a user is logged into a central controller are now displayed immediately and saved