

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

- Added Genesis 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 Buses 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 ".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
- Buses 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 handling 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

TDP 

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 GenIIB 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