

# GenWatch 2.23

## Release Notes

### GenWatch 2.23.5

#### MSI Compatibility

ASTRO	2024.1
MOTOTRBO	M2021.03
PMI	0770
IMW	5.2.4
DIMETRA	D9.2

#### New Features - iVISTA - Map

- Legend shows current selections for dynamic site marker gauge and size statistics.

#### New Features - iVISTA - Report Distribution

- Emailed reports can now be configured to attach as ZIP files instead of XLSX
- Reports can be published to network folders or FTP/SFTP targets
- Reports can be published in XLSX or CSV format

#### New Features - iVISTA - Report Updates

- New date range preset options “Last 30 Days” and “Last 6 Months”
- Subscriber PTTs by Site – New column to display PTT time in hour, minutes, seconds format

- Subscriber Last Activity – New column displays the last successful authentication date and time
- Radio Rejects Report
  - Failed Registrations tab shows unsuccessful registration attempts
  - Failed Affiliations tab shows unsuccessful affiliation attempts
  - Failed Authentication tab shows unsuccessful authentication attempts

## Improvements/Fixes

- APM/CGF - Dropped connections recover as expected.
  - ATIA - Reduce CPU usage of Sync process.
  - GW3 - Improved Busy Potential calculation logic to prevent memory leak.
  - GW3 - GenSPOut "WHERE NOT" filter logic corrected.
  - GW3 - GW\_Connect PMI and GW\_GenIIB connections enforce the "Do Not Archive" option.
  - iVista - Unassigned devices can be assigned to resources that have not had alarms.
  - iVista - Removed obsolete table EGL\_Alarms from purge list.
  - iVista - Removed redundant hover text on site settings.
  - iVista - Prevent redirect loop possible when home page is favorited.
  - iVista - Talkgroup selector returns expected results when searching by alias.
  - iVista - Fixed Site/Place mapping on pre-2.23 upgrades with UEM Enhancement.
  - iVista – Fixed console site appearance for installations without UEM Enhancement.
  - iVista - Prevent notifications from reappearing after being cleared.
  - iVista - Breadcrumb report clears previous locations when loading a new subscriber.
  - iVista – Ensure subscriber blacklist displays the current subscriber selections.
  - Reports - SNMP reports show site aliases consistent with GW3.
  - Reports - Scheduled report editor displays the accurate value for numeric parameters.
  - Reports - Subscriber Last Activity report no longer contains duplicate rows for synchronized data.
  - Reports - Corrected reporting role permissions on the Genesis long-term database.
  - SNMP - Fixed SNMPDeviceEventsType tables alias length to match other tables.
  - SNMP - Prevent race condition when loading SNMP Traps from the database.
  - Trio - Ensure excluded charges for discounts are saved correctly.
  - ZSS - Fixed possible failure on start/restart.
-

# GenWatch 2.23.4

## MSI Compatibility

ASTRO	2022.1
MOTOTRBO	M2021.03
PMI	0770
IMW	5.2.4
DIMETRA	D9.2

## New Features - iVISTA - Map

- Dynamic Site Markers provide a real-time visualization of site statistics.

## New Features - iVISTA - Quick Search

- Quick search expanded to find talkgroup results with:
  - Link to Talkgroup Activity Details report
  - Link to open the talkgroup drilldown page
  - Site affiliations listed by subscriber population.
- Quick search expanded to find site results with:
  - Link to Detailed Site Use report.
  - Link to the site on the Map page
  - Link to open the site drilldown page

## New Features – iVISTA – Reports

- New FDMA Impact report details subscribers that cause FDMA traffic on TDMA resources
- Schedule management page updates with a grid display with advanced filtering /sorting options
- Single-Run schedules are purged from the system

## **New Features – iVISTA – SNMP**

- Events and Alarms pages updated with grid display with advanced filtering/sorting options
- UEM Alarms can be configured to timeout and auto close based on alarm severity

## **New Features – iVISTA – Agency Management**

- Subscriber management now supports manual and range assignments in conjunction with security group assignments
- Subscribers can be assigned to secondary agencies for complex agency requirements

## **New Features – GenWatch**

- SAM – New “Reject Watch” can be configured to generate suspect subscribers based on received system rejects

## **Improvements/Fixes – iVISTA**

- Dashboard timeframe selection saved and recalled correctly
- Report export settings are no longer overwritten on startup in AD mode
- Fixed upgrade error encountered on installations with UEM Enhancement
- Removed obsolete DB objects from database purge list
- Fixed upgrade error when previous version was 2.16 or earlier
- No longer store DB records for subscribers that have never been active on the system.
- Fixed subsites to always appear under the correct site record
- Fixed session timeout determination using non-US date formats
- Report Help correctly defines Speed column as Meters per Second.

## **Improvements/Fixes – GenWatch**

- Illegal Carrier KPI entries purged correctly
- Improved TRIO/PMI performance on low bandwidth networks
- GenSPOut - Ensure ID Alias field is available for Location packets

## **Improvements/Fixes – ATIA Data Warehouse**

- Fixed pull procedure to work correctly when the warehouse already has records with higher unique values

## **Improvements/Fixes – SDS**

- Fixed connections to “Active” mode FTP/SFTP servers
- 

# GenWatch 2.23.3

## MSI Product Compatibility

ASTRO	2022.1
MOTOTRBO	M2021.03
PMI	0770
IMW	5.2.4
DIMETRA	D9.2

## New Features - iVISTA - MAP

- Subscriber styles selector is hidden when no subscriber layers are enabled.
- Site tooltip contains a link to open the site drill-down page.

## New Features - iVISTA - Reports

- Date format is configurable with options for US, EU, or Universal style.
- New Email permissions allow administrators to control which users can email reports.
- Email options will not appear when SMTP is not configured or enabled on the server.

## New Features - iVISTA - SNMP

- Accesses SNMP data directly from GET SNMP instead of reprocessing.
- Uses GenWatch3 IP ranges instead of maintaining separate IP range settings.

## New Features - iVISTA - Security

- User session timeout can be configured per user instead of server-wide.
- User sessions no longer expire at different times based on which pages are loaded.

- User session timeout can be disabled for any user except the initial administrator account.

## **New Features - GenWatch**

- Added support for PMI version 0770.
- SQL Express redistributable version updated to 2022.

## **New Features - GenWatch - SNMP 2SQL**

- Processes UEM data based primarily on IP map settings.
- IP map settings are synced with GenWatch3.

## **Improvements/Fixes - iVISTA**

- Fixed behavior if Default dashboard is deleted
- Map settings window recalls previous values correctly
- Talkgroup resource selectors no longer attempt to load all talkgroups
- Genesis DB purge job no longer contains extraneous steps
- GW3 API token is only refreshed as needed
- Subscriber resource selector no longer attempts to display all subscribers
- APM Rx/Tx packets are processed correctly for alphanumeric systems
- APM Rx packet values are displayed correctly
- Fixed call line display for MOTOTRBO LCP system type
- Devices assigned to subsites are displayed correctly
- Dimetra UEM Site Availability report shows correct site alias on each tab
- Fixed race condition during SignalR connection which caused missed packets
- Events By Type report uses text filter on Event Description column
- Site widgets can be viewed on the map without admin permission
- Ensure sites loaded on all UI elements
- Reduced chance of deadlocks in the SNMP UEM Availability Report
- Improved load time for results on Alarms Page

## **Improvements/Fixes - GenWatch**

- Throttle batch commands for TRBO to ensure each command is processed
- Fixed timestamps used for speed calculation to detect IDD Suspects in SAM
- Fixed IMW batch location processing so that other connections do not fall behind
- Ensure SQL login has all permissions required for Illegal Carriers KPI processing
- Fixed Illegal Carrier KPI processing on SQL Server names with hyphens
- Fixed race condition in the IMW connection when CurrentState is requested during service startup

- Illegal Carrier KPI creates 5-minute buckets for the correct timeframes
- Ensure all location updates for the same device are processed when received in a batch
- Fixed IMW exception when location reports arrive during a CurrentState request
- Terrafix connection detects possible disconnect and attempts to reconnect
- Fixed memory leak found in subsite processing

## **Improvements/Fixes - ATIA 2SQL**

- Ensure location updates are processed with correct timestamp
- DB Pull configuration form prevents misconfigurations
- DB Sync process improved to reduce chances of deadlocks
- DB Sync process handles records with matching UCNs
- Fixed possible exception processing location or presence packets from GW3
- Increased resilience of internal processing and ensure errors are logged
- IP Address field's whitespace is trimmed before saving the value

## **Improvements/Fixes - SDS 2SQL**

- Allow connections in FTP Active mode
- Fixed DB Purge process to use correct timestamp