

Pro-Watch® Release Notes

Release 5.0

Release Availability Date: May 2020

New Feature

(Sorted Alphabetically by Pro-Watch Component)

Pro-Watch Component	New Feature Description	Issue Number
Pro-Watch	Pro-Watch now offers a thin web client also known as “Intelligent Command” which features an integrated and interactive system of alarms, events, incidents, maps and cameras with passwords and firmware that can be configured and updated.	N/A

Recommendation

Pro-Watch Component	Description	Issue Number
Pro-Watch Intelligent Command	For better performance, we do not recommend generating or exporting larger size reports in web during peak day hours.	N/A

Known Issues

(Sorted Alphabetically by Pro-Watch Component)

Pro-Watch Component	Known Issue Description	Issue Number
Access Rights	Newly added Clearance Code will not be listed under Additional Access Rights. If there are any new clearance codes added by Administrator in thick client, then it should be reflected to Operators in Web. Clearance code is getting listed only after operator Log Off and Log In to web.	PW-16715
Access Rights	If any clearance code is added in Thick Client, then it is not listed in GROUPS -> Access Rights.	PW-16707

Alarm and Incidents	Streaming error occurs with Error code 1020 in incident creation page. WORKAROUND SOLUTION: Copy the DLL below from "PWIC install directory\Web\WEBUI\Areas\Honeywell.ISP.PwAlarmMonitorPlugin\bin" and paste it to "PWIC install directory\Web\WEBUI\bin": Proxy.Honeywell.Security.Isom.ExtensionLibrary.dll	ISRT-3750
Alarm Monitor	Single Incident does not work with multiple "Acknowledge All" buttons.	ISRT-2716
Alarm Monitor	During bulk alarm operation there might be rare cases where PWIC shows few uncleared alarms whereas PW thick client shows no alarms. This is existing PW Thick client behavior and upon observing this rare scenario Alarm processor service needs to be restarted once.	N/A
Badging	Asset-definition related validation is not happening via web UI. This will be performed through the thick client.	PW-17605
Event Viewer	In the Pro-Watch IC Event Viewer, "ProWatch Server Name," "USER ID," and "Workstation" columns are empty.	PW-16757
Events	There is no video links available in Pro-Watch Web Event Viewer when some Events related to Video are generated.	PW-15530
Icons	Camera icons are missing from Pro-Watch UI once the user updates callup number in VMS when Pro-Watch is offline.	PW-17813
Incidents	Auto-trigger of incident fails followed by successful alarm acknowledge, if user partition is different from that of logical device's partition.	ISRT-3659
Installation	Version number of the Pre-requisite number will not be shown in the errors during the installation.	PW-17748
Installation	When the self-signed certificate is not installed during the PWIC Installation, Application will not work.	PW-17741
Installation	During installation in the Single tier - User has to make sure that Video service and the Streaming service are installed	PW-17717
Installation	PWIC will not work in TLS 1.2 Disabled mode environment.	PW-17660
Installation	It is not recommended to use the '.'(dot) in the Database Name. As the user will not be able to create new user.	PW-17654

Installation	Pro-Watch IC installation ends up with SQL error [Incorrect syntax error & error 27506]. WORKAROUND SOLUTION: Ensure that the Pro-Watch database compatibility is set to >=100 .	PW-17747
Installer	While running the upgrade patch on Pro-Watch Core machine, the patch installer will not stop the Pro-Watch Service until the user stops the Pro-Watch Alarm Processor service manually.	PW-17618
Installer	Pro-Watch 5.0 Intelligent command supports can be deployed only under default web site.	PW-13508
Login	The login page of Intelligent Command sometimes/randomly displays failures or incorrect UX. WORKAROUND SOLUTION: Failure is due to slow network, please check if network speed is as recommended in Pro-Watch Intelligent Command Installation guide.	ISRT-3401
Login	After logging into Pro-Watch IC client, "An internal server error occurred, please contact system administrator" error message is displayed. WORKAROUND SOLUTION: Copy the two files below from "PWIC install directory\Web\WebUI\Areas\ProWatchWeb.UI.BadgePlugin\bin" and paste them to "PWIC install directory\Web\WebUI\bin": 1) Proxy.PwBadgeCustomFields.proto.dll 2) Proxy.ProwatchUI.proto.dll	PW-17754
Maps	In Map Cache Generator Utility, if previously cached maps are able to be relocated and are able to be reused following an upgrade.	PW-17384
Maps	Pro-Watch Intelligent Command Maps - Cameras configured on MAPS get removed on call-up number change. The end-user needs to re-configure the cameras again on MAPS .	ISRT-3231
Maps	Intrusion Devices are not available in the list while configuring the devices on MAPS.	ISRT-2628
Maps	Map page takes 15-20 seconds to load for the first time when configured with 100 devices.	ISR-2547
Maps	Maps doesn't show up RTN on a device if there is no alarm active on it.	ISRT-3706
Maps	Maps doesn't update the old alarms from the database on a device after acknowledging or clearing alarms. [Workaround :Open and close the device popup]	ISRT-3719

Maps	Map functionalities not working for DWFX file format.	PW-17788
Maps	Acknowledging alarms with workflow creates an incident but the user is not redirected to incident page.	PW-17707
Multi-Language	Multi-language is not available for windows authentication mode.	ISRT-3740
Non-MaxProNVR Cameras	In Pro-Watch Web client, if the Embedded Recorder Cameras are configured against any Pro-Watch logical device, the video pop-up displays the error message "NVR is offline for the non MAXPRONVR cameras."	PW-15943
People & Groups	Switching between "People & Groups" and other modules sometime may result in blank pages. WORKAROUND SOLUTION: Clearing the browser history will resolve this issue.	PW-16735
Pro-Watch-VMS	During the upgrade from Pro-watch 4.5 to 5.0, once the channel is online, the user has to manually download the video server components to be reflected in Pro-watch.	N/A
Pro-Watch-VMS	When video servers are added to Pro-Watch, automatic download of Joystick controllers are disabled. But, the user can manually download by clicking "Download the CCTV Controllers."	N/A
Pro-Watch-VMS	If call up number is updated more than 6 digits in VMS/NVR for any camera, the user will not be able to load cameras in VMS Monitor. When the user is updating call up number in NVR, it will synch up in VMS but it will show a different number in Pro-Watch.	PW-17639
Pro-Watch-VMS	Video playback will not function in PW 5.0 - VMS R600 integration. A separate patch will be provided	PW-17774
Reports	Report Filter Query is not displayed properly if the filter Data has special Characters	PW-13995
Upgrade	Upgrading the Pro-Watch from 4.3.5 to 5.0 will not increase the Pro-Watch Database compatibility level from 90.	PW-17756
Upgrade	When Upgrading the Pro-Watch core (4.3.5) installed on SQL 2K12 database [Default DB compatibility level of PWNT database is 90] to Pro-Watch 5.0, web services installation fails due to SQL script error in event service.	PW-17755
Upgrade	Pro-Watch 5.0 upgrade from previous market release requires Manual Download to sync Storage port.	PW-17812
Video	Pro-Watch IC does not support video streaming during NVR Failover scenarios.	PW-17700

Web Alarms	Alarms tab will show only 20 recent alarms on 55-inch 4K resolution monitor in IC web client. And also, the monitor will not display any mouse scroll bar to view more alarms.	PW-17647
Web Alarms	Residual Alarms will display in web client even after CLEAR ALL from thick client.	PW-17511
Web Alarms	The ACK and CLEAR permission settings at the Routing Group level is not considered in Pro-Watch 5.0 Web client.	PW-13494
Web Alarms	Custom Audio is not supported for Alarms.	PW-12739
Web Alarms	PW Web event viewer doesn't support video actions for events. Auto incident creation on acknowledging video events is supported only for cameras & recorders.	PW-15330
Web Client	<p>When multiple users are using the thin (web) client, the firmware updates performed by one user will not be displayed automatically in the second user's firmware list. The first user will have the update display in the Available tab but the update will not display automatically on the second user's Available tab.</p> <p>WORKAROUND SOLUTION: The second user can see the updated firmware status, by selecting either All Camera or Updated tab -- if the Camera is either loaded on the grid or is present in UI cache for these 2 tabs.</p>	MPVMS-10255
Web Client	<p>From time to time, you may have difficulty logging in to the thin web client.</p> <p>WORKAROUND SOLUTION:</p> <ol style="list-style-type: none"> 1) Go to services.msc and restart "Pro-Watch Server." 2) Run "cmd" as administrator and do "iisreset." 3) Press "Ctrl + F5" keys in the Pro-Watch sign in page. 4) If the Pro-Watch Server was already restarted, complete steps 2 and 3 above. 	N/A

Web Client	<p>Unable to add firmware inventory file from few machines and the progress indicator is always showing 0% progress.</p> <p>WORKAROUND SOLUTION:</p> <ol style="list-style-type: none"> 1) Go to the machine, where Pro-Watch web UI is installed. 2) Open powershell in admin mode and go to path: C:\Program Files (x86)\Honeywell\UnifiedSecurityPlatform\Web\LiveAlarm\Util 3) Type .\export.ps1 and press enter. 4) The above command will generate "Honeywell_Certificate" certificate at this location:C:\Program Files (x86)\Honeywell\UnifiedSecurityPlatform\Web\LiveAlarm\Util. Now copy this certificate to machine from where the user is seeing this problem of uploading the inventory file. 5) Install this certificate under "Local machine," with password as "HON123well," and place this certificate at "Trusted Root Certification Authority." 6) Open Chrome browser and clear all the browsing and cache history. Then, open PWISC in Chrome browser, log in and again try uploading inventory. This time it should succeed. 	MPVMS-9901
Web Client	Firmware upgrade cancel operation may show error occurred even though operation is successful.	N/A
Web Client	Camera data last updated may show "0 days ago" even after pulling data several days earlier.	N/A
Web Client	Sometimes the firmware upgrade status notification will be delayed, even though camera is upgraded and stated streaming in Maxpro.	N/A
Web Client	The user may be able to upload firmware for camera models for which firmware upgrade is not supported. The user cannot perform firmware upgrade for those models even when firmware is available.	N/A
Web Client	<p>"Certificate Error" message at login.</p> <p>WORKAROUND SOLUTION: Manually create the certificate and sign in.</p>	N/A
Web Client	<p>In a fresh install, Pro-Watch DB creation fails.</p> <p>WORKAROUND SOLUTION: Locate the DB from the system and attach it using ssms.</p>	N/A
Web Client	<p>Installation of Pro-Watch Intelligent Command may fail occasionally for various reasons.</p> <p>WORKAROUND SOLUTIONS: Run "Pro-Watch Intelligent Command.exe" as administrator. Make sure the Windows updates are completed. Make sure installer (user) has Admin privileges.</p>	N/A

Web Client	The users cannot export reports with more than 400,000 records from Pro-Watch Intelligent Command Web client.	PW-16750
Web Client	<p>Installation is not creating the inventory storage path by default, but it's displaying the default path in the installer screen. Firmware upload is failing.</p> <p>WORKAROUND SOLUTION: Update the correct path during installation or change the config file after completing the installation.</p>	N/A
Web Client	<p>After installation, login to Intelligent Command fails.</p> <p>WORKAROUND SOLUTION: Reset IIS.</p>	N/A
Web Client	<p>After restarting the PRO-Watch server, login to Intelligent Command fails.</p> <p>WORKAROUND SOLUTION: Reset IIS.</p>	N/A
Web Client	<p>Some of the remote client webpage login URL displays "certificate error."</p> <p>WORKAROUND SOLUTION: Manually create the certificate and assign.</p>	N/A
Web Client	<p>VMS and Pro-Watch data may be out of sync.</p> <p>WORKAROUND SOLUTION: a) Go to the video channel and unselect "is installed" checkbox and save. Then, re-select the checkbox. b) Restart Pro-Watch server and check download. c) Go to the specific recorder and update description and save data in VMS.</p>	N/A
Web Client	The firmware feature tab will show inconsistent behavior when concurrent users are logged in to Intelligent Command web client and using the firmware upgrade page.	N/A
Web Client	"Firmware upgrade cancel" operation displays an error message even though the operation is successful.	N/A
Web Client	Camera data last updated is always showing: 0 days ago even after pulling data several days ago	N/A
Web Client	Not-supported camera models are also displayed in the inventory list. Even if the users can upload firmware for those models, they cannot upgrade since the version information are not available.	N/A
Web Client	In ISC, the user will get delayed status update even though the camera is upgraded and stated as streaming in Maxpro.	N/A

Web Login	User will not be able to login if they have access to the "Badging" & "Reporting" modules.	PW-17648
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Pro-Watch® Release Notes

Release 4.5 SP2

Release Availability Date: April 2020

New Features

(Sorted Alphabetically by Pro-Watch Component)

Pro-Watch Component	New Feature Description	Issue Number
Advanced Badging	"Batch Modify" function now allows adding and deleting Partitions on Badge-Holder records.	PW-15969
Advanced Badging	<p>Advanced Badging now supports the following on Assigned Assets:</p> <ul style="list-style-type: none"> • Adding a Boolean value that marks an asset as requiring an Asset Number. • Setting a Boolean value that can mark an asset as only able to be assigned to a single badge holder. If a badge operator tries to assign an already assigned asset, the badge application will display an error to the badge operator. • Under system settings for Advanced Badging, you can mark how Assets will be displayed to an operator when an asset is assigned to a badge holder. The choices are: <ul style="list-style-type: none"> ○ Assigned assets will display to badge operator every time a badge record is edited ○ Assigned assets will display to badge operator every time a badge record is edited and the badge holder has no Active cards ○ Assigned assets will display to badge operator every time a badge record is displayed ○ Assigned assets will display to badge operator every time a badge record is displayed and the badge holder has no Active cards 	PW-16293
Morpho	Morpho-Idemia Biometric Enrollment Workstations no longer require a dongle.	N/A
TBS	Added support for TBS Biometric Fingerprint Readers.	N/A
Transport Security	Pro-Watch now supports TLS 1.2.	N/A
Windows & SQL	Windows 2019 and SQL 2019 support.	N/A

Resolved Issues

(Sorted Alphabetically by Pro-Watch Component)

Pro-Watch Component	Issue Description	Issue Number
Advanced Badging	When adding/modifying clearance codes to a card, users now can search for a logical device that displays all the clearance codes the logical device is assigned to.	PW-15899
Advanced Badging	Corrected the issue with web install which could lead to Advance Badging not being able to save a card.	PW-16127
Advanced Badging	Users can now select Advanced Badging > Advanced Search > "Last Access Date/Time" without any errors.	PW-16352
Advanced Badging	Users can now delete Provisional Card CC.	PW-17344
Clearance Codes	Clearance Code Descriptions exceeding 90 characters now do not generate an error when checking Logical Device dependencies.	PW-16142
DTU	Resolved DTU issue with using email as a key field from Active Directory.	PW-16918
DTU	Real Time DTU now works with regular expressions when processing a delimited DTU job.	PW-17092
Mercury SIO	User-Defined resistance values are now supported for Mercury SIOs	PW-16646
Morpho	Create Admin Card (Dev Encryption) function is now supported.	PW-15963
Morpho	Even when the users have more than 14,000 biometric templates, Morpho Template Auto-Download Sync functionality works properly.	PW-14248

Morpho	<p>Morpho Biometric Reader Support Improvements:</p> <ol style="list-style-type: none"> 1. Users no longer need to set the Smart Card Type (from Application Settings in Advanced Badging) to use the Morpho Download Service. Only the checkbox on the Morpho Configuration screen in the Biometrics module. It is assumed that if the service is started and running that Morpho template downloads should be processed. 2. Reliability of reader downloads has been improved. 3. Enhanced available logging on failed download attempts. 4. Fixed the Morpho Terminal Report in the Biometric Terminals tab that would display an error when more than 100 records were in a Morpho terminal. 5. Log files can now be automatically cleared. In the PWMorphoService service, there is a new setting in the PWMorphoService.exe.config file to delete rows in the SAGEM_LOG table after X number of days. This runs at 12:15AM every day. Setting name is: Morpho_SagemLog_RemoveDays 6. In the PWMorphoService service, there is a new setting in the PWMorphoService.exe.config file that sets the maximum number of attempts to be tried to download templates to a Morpho terminal before giving up and removing the download record. Setting name is: Download_Retry_Attempts 	PW-13607
Pro-Watch AP	Batch Modify function can now modify the card expire date/time.	PW-16407
Pro-Watch API	ProWatch API now can download card to panel on Pin Code change.	PW-15917
Pro-Watch API	UpdateTimeZone function in PW API now updates panels with TimeZone Changes.	PW-16181
PW Remote comm	Remote comm server memory consumption now will not increase when using Vista panels.	PW-15568
Workstations	Primary & Remote Comm Workstation icons now properly reflect Connected Status.	PW-16275

Known Issues

(Sorted Alphabetically by Pro-Watch Component)

Pro-Watch Component	Issue Description	Issue Number
Advanced Badging / Assets	When changing the property of an asset, the system does not check to make sure that the conditions of the new property is satisfied by the existing assets.	PW-17087
Advanced Badging	When the users delete a Logical Device, they are not warned about the association with Biometric Terminals.	PW-17069
Web Alarms	Live Alarm server is not compatible in a three-tier deployment where API Service, web UI service, and DB server are on separate machines.	PW-17282
Web Alarms	Live Alarm view is not refreshed when the same alarm page is reselected.	PW-17281
Web Badging	Batch Modify function on cards and badges updates the Badge/Card Expiry Dates of a batch of badges/cards to a day earlier than the specified date.	PW-17106 PW-17107
Web Badging	Card Print functionality is not working from both Badge Screen and Credentials Tab.	PW-17112
Web Badging	When a new access right is added to an access group in the thin client, the web client duplicates it across all groups instead of displaying it only once.	PW-17111

Notes/Limitations

(Sorted Alphabetically by Pro-Watch Component)

Pro-Watch Component	Limitation Description	Issue Number
Installation	Pro-Watch does NOT install SQL Express. If SQL is not installed, the user must install the required SQL version manually.	N/A
Morpho	The Wave compact reader stops working after downloading more than 1000 templates into it. The issue was observed with Firmware 1.4.0 but not with Firmware 1.5.3.	PW-16892
Morpho	When upgrading a site using Morpho biometric readers, the Morpho Service must be deleted manually.	PW-16963
Morpho	During a download at a biometric terminal page, if you leave the page before the download is finished, the download will stop.	PW-16882
Morpho	RECOMMENDATION – For badging client, we recommend a 4-core or higher CPU machine when utilizing Morpho biometric readers.	PW-16873
Morpho	The “Cancel” button is disabled if the user selects a different reader while a reader template download is in progress.	PW-16870
TBS	On TBS biometric readers duplicate PINs are not supported.	PW-17096
TBS	Pin + Bio and CardNumber + Bio are not supported.	PW-17080
TBS	TBS Remote enrollment is not supported.	PW-16799
TLS 1.2 Support	IP Client communication to PW6K1IC controllers will not work in a TLS 1.2 environment.	PW-15803
TLS 1.2 Support	The TLS panel setting is not supported on PW6K1IC panels in a TLS 1.2 environment.	PW-15916
TLS 1.2 Support	“Classic Reporting” and “Legacy Enterprise Manager” are not supported with TLS 1.2	PW-15019

TLS 1.2 Compatibility Information – Pro-Watch & Integrations		
Application	Version	Integrated Application Requirement
Pro-Watch	4.5 SP2 – 4.5.0.12060	NA
Web Apps (Web Services\UI Services)	4.5 SP2 – 5.0.2.6	NA
Web API (REST/SOAP)	4.5 SP2 – 4.5.2.7	NA
MaxPro VMS	R600 Build 622	Update Required – Contact your Honeywell representative
LobbyWorks	4.3.0.3 with a) LW_Patch9 (TLS.2) b) SQL_Query_Patch9	Update Required – Contact your Honeywell representative
SmartPlus (SPCI)	2.0.13.5	Update Required – Contact your Honeywell representative
HAPI	1.0.31.0 & 1.0.31.2	No Update Required
AssaAbloy DSR	8.0.4	No Update Required
HSDK	2.6.0.0 & 2.6.2.0	No Update Required
Salto SAM	2.2.0.0 with HSDK 2.6.2.0	No Update Required

Pro-Watch® Release Notes

Release 4.5 - TLS 1.2 Support – Cumulative Hotfix

Release Availability Date: January 2020

New Feature

Pro-Watch Component	New Feature Description	Issue Number
NA	Pro-Watch now supports TLS 1.2	N/A

Resolved Issues

(Sorted by Issue Number)

Pro-Watch Component	Issue Description	Issue Number
Logical Devices	The Entry/Exit Door logical devices now reports events correctly when the logical device is masked or after a local grant.	PW-11560
Events	Pro-Watch now displays “Door Forced” events and messages correctly.	PW-13187
Pro- Watch Server	Pro-Watch server now has better memory usage for card downloads.	PW-13360
Cards	Even after a network interruption between the server and the client, card status changes are now downloaded correctly to the panels.	PW-13600 PW-10149
Workstations	An asterisk (*) can be used in the place of a workstation name to allow any workstation used by an authorized Pro-Watch User to connect to Pro-Watch. This is useful in environments in which the workstation name is dynamically generated upon use.	PW-13790
Cards	Cards now download properly to the panels even after a network disconnect and reconnect.	PW-14051

Panels	Card expiry updates now download properly to the panel if the panel was offline during the Midnight Card update procedure run.	PW-14518
Client	The Hot fix for client disconnect now works properly for all error codes.	PW-14535
Input Devices	After applying a Hot Fix, input devices (Example: REX and DPS) display a correct Door Input Device Status (DPS) and report events appropriately from these input devices.	PW-14588
Logical Devices	Input point (DPS) status is now updated correctly in Pro- Watch for Entry/Exit Doors.	PW-14602
Pro- Watch Service	Pro-Watch service now restarts properly, without any card download issues.	PW-14621
Logical Devices	Masking is working appropriately with the Entry/Exit Door logical devices.	PW-14638
Maxpro Video Integration	MM Monitor functionalities now work in MVMS Integration, even when a workstation is added as * (unrestricted client support).	PW-14753
Cards	Panels now grant access and record events properly for valid card swipes during the boundary times of associated Reader Time zones inside Clearance Code.	PW-15484
Events	Addressed the specific scenarios where remote communication server is not properly reporting transactions even though the actual card transactions are working properly in the field.	PW-15566
Remote Comm Server	Remote comm server memory consumption will not increase now when using Vista panels.	PW-15568
Readers	Status group now displays updated door status for both primary and secondary readers correctly. The readers work as expected.	PW-9522
TLS 1.2 Support	Pro-Watch now works when TLS 1.0 and SSL are disabled while keeping TLS 1.2 enabled.	PW-13493
Cards	Card downloads can now be executed successfully for PW- 5000 panels during the bulk addition of more than 2000 cards.	PW-15169

Known Issues

(Sorted by Issue Number)

Pro-Watch Component	Issue Description	Issue Number
TLS 1.2 Support	Pro-Watch cannot install if TLS 1.0 is disabled and TLS 1.2 is enabled in Pro-Watch machines.	PW-15015
TLS 1.2 Support	“Classic Reporting” and “Enterprise Manager” modules cannot be accessed.	PW-15019
Readers	Secondary Reader uses card formats of Primary reader.	PW-15391
Readers	Secondary Reader uses primary reader configuration [ex-Held Time, Strike time, etc.].	PW-15392
TLS 1.2 Support	IP Client Panels do not online [Mercury panel limitation].	PW-15803
Licensing	License is not getting updated up to 25 minutes when the App Server Network is disconnected and then reconnected.	PW-15823
TLS 1.2 Support	Some Mercury Panels don't come online when panel host is configured as TLS ("TLS required" or "TLS if applicable") [Mercury panel limitation].	PW-15916
TLS 1.2 Support	DTU import/Export functionality is not working for ODBC profiles [Issue has workaround, Refer workaround section].	PW-15979

Pro-Watch® Release Notes

Release 4.5 SP1

Release Availability Date: November 2019

New Features

(Sorted Alphabetically by Pro-Watch Component)

Pro-Watch Component	New Feature Description	Issue Number
Advanced Badging	In Advanced Badging, the user now can minimize the Batch Printing window.	PW-14022
Advanced Badging	Morpho Wave Compact (MWC) reader can now be used for Remote Enrollment.	NA
Workstations	An asterisk (*) can be used in place of a workstation name to allow an authorized Pro-Watch User access from all workstation(s) configured in Pro-Watch . NOTE: this is useful in environments in which the workstation name is dynamically generated upon use.	PW-13790

Resolved Issues

(Sorted Alphabetically by Pro-Watch Component)

Pro-Watch Component	Issue Description	Issue Number
Advanced Badging	In Advanced Badging module, the Batch Print functionality now works correctly.	PW-15254
Advanced Badging	The Advanced Search is now working properly when using "OR" logical condition.	PW-14045
Advanced Badging	In Advanced Badging when adding cards to the Batch Print queue, the option to add cards (All Cards, All Provisional, All Cards when) is saved and will be the default the next time the option to add cards is displayed.	PW-14023
Compliance Reports	In Compliance Reports module, the Query Report now runs without any errors after editing.	PW-14021

DTU	Fixed issue in DTU ODBC imports where user was unable to save filters with spaces at end of search value. A trim on the filter string is no longer being done.	PW-14761
Events	Addressed the specific scenarios where remote communication server is not properly reporting transactions even though the actual card transactions are working properly in the field.	PW-15566
Events	Pro-Watch now displays "Door Forced" events and messages correctly when using an Entry/Exit Reader Door.	PW-13187
Events	Client disconnect Hot Fix now works properly for unhandled error codes.	PW-14535
Installation	.Net framework error message is corrected in patch installer	PW-14475
Installer - Web Services	Web services installer now will validate the Pro-Watch DB name correctly.	PW-14780
Logical Devices	The Entry/Exit Door logical devices now reports events correctly when the logical device is masked or after a local grant.	PW-11560
Logical Devices	Masking is working appropriately with the Entry/Exit Door logical devices.	PW-14638
Logical Devices	Input point (DPS) status is now updated correctly in Pro- Watch for Entry/Exit Doors.	PW-14602
Panels	Card expiry updates now download properly to the panel if the panel was offline during the Midnight Card update procedure run.	PW-14518
Pro- Watch Server	Pro-Watch server now has better memory usage for card downloads.	PW-13360
Pro- Watch Service	Pro-Watch service now restarts properly, without any card download issues.	PW-14621
PW-5000-Panel	PW-5000 (IP) panel now downloads the cards correctly.	PW-15169
Readers	Status group now displays updated door status for both primary and secondary readers correctly. The readers work as expected.	PW-9522
Readers	Primary reader now reports the "local grant" correctly even when "Log Pre-grant" is enabled	PW-13714

Reports	In Compliance Reports, after making a connection to a new Pro-Watch server and database, a new menu option labeled 'Disconnect Connection' is available to switch back to the default Pro-Watch server and database.	PW-13528
Reports	In Compliance Reports, Added a new Program/Function to limit who can switch to a different Pro-Watch database in Compliance Reports.	PW-13525
Web Alarm	Web UI now shows alarms without repetition to the user when same channel is associated with more than one Routing group and those Routing groups are assigned to the specific user.	PW-13823
Web Badging	On the Web Client, Dates entered for Bulk addition of people or Bulk Modification are now saved correctly.	PW-13983
Web Badging	Special Mask attribute setting for Badge fields input value is now working correctly during badge addition	PW-13939
Web Client	Performing hardware actions now does not require DTU API license.	PW-14258
Web Event Viewer	Routing Groups are supported in Web UI event viewer.	PW-13501
Web Services	Starting Web Event Service now does not require "DTU" License	PW-14227
Web UI	First time Web UI login does not show error anymore	PW-13960
Web UI - Event Viewer	"Event Type" info is no longer repeated in PW Web event viewer	PW-13928

Known Issues

(Sorted alphabetically by Pro-Watch Component)

Pro-Watch Component	Issue Description	Issue Number
Event viewer	Manage Column feature is not supported in Pro-Watch 4.5 thin client Event Viewer.	PW-13596
Readers	Secondary Reader uses card formats of Primary reader	PW-15391
Readers	Secondary reader working based on primary reader configuration [ex- Held Time, Strike time, etc.]	PW-15392
Remote Comm server	Remote Comm server's memory consumption may increase when using Vista panels	PW-15568
Remote Comm server	Remote comm server stays offline when there is a network disconnect and doesn't reconnect until it's service is restarted	PW-15820
Web Alarm	For better performance – It's recommended to use "All System Events" (default Routing Group in Pro-Watch) instead of creating custom Routing groups manually for all Channels & Event types	PW-15572
Web Alarm	Message and Logical Device Description are not shown for 'Panel Not Responding' events in Web client.	PW-13996
Web Alarms & Events	ACK & CLEAR permission at Routing Group level is not considered in Pro-Watch Web application.	PW-13494
Web Client	When the Operators Logon/Logoff from the Web Client, the corresponding event will be reported as "Event Occurred" instead of an "Operator logon/Logoff".	N/A
Workstations	Logged in workstation is shown as *(asterisk) for users who are authorized to access only specific workstations.	PW-14522

Workaround Solutions

(Sorted alphabetically by Issue)

Issue	Description	Related Info
Alarm Count	<p>When a user performs Acknowledge All or selects multiple alarms and Acknowledge, the alarm count may be incorrect for another user who is monitoring the same alarm page.</p> <p>Workaround: click drop-down and select UnAcknowledged or Acknowledged list view once again.</p>	N/A
Alarm Count	<p>Alarm count may be incorrect when there're more than 1000 (one thousand) alarms in the Rolled Up state, another new alarm entry comes in and the user performs an 'Acknowledge' by manually selecting Rolled Up alarms.</p> <p>Workaround: click drop-down and select UnAcknowledged or Acknowledged list view once again after waiting a couple of minutes.</p>	PW-13977
Alarm count	<p>On acknowledging or clearing roll up alarm , the alarm count may be incorrect.</p> <p>Workaround: click drop-down and select UnAcknowledged or Acknowledged list view once again.</p>	PW-14898
Cards	<p>Disabling the "Use Count" feature is not working as expected on Web Client.</p> <p>Workaround: card must be removed and re-added.</p>	PW-13746
Web Alarm	<p>Pro-Watch Web alarm monitor may fail to load alarms when there are more than 18,000 alarms in UnAcknowledged and Acknowledged Lists with more than 1,000 (one thousand) Rolled Up alarms.</p> <p>Workaround: user must go to Alarm Monitoring page in Pro-Watch thick client to acknowledge or clear the alarms.</p>	PW-13978
Web Client	<p>On a Bulk acknowledge of more than 1000 (one thousand) alarms, the Acknowledgement Pane may not properly refresh.</p> <p>Workaround: click the Acknowledge drop down arrow and select Acknowledge.</p>	PW-13805

Pro-Watch® Release Notes

Release 4.5 HOT FIX

(PW-15566)

Release Availability Date: October 2019

Resolved Issues

Pro-Watch Component	Issue Description	Issue Number
Events	Addressed the specific scenarios where remote communication server is not properly reporting transactions even though the actual card transactions are working properly in the field.	PW-15566
Cards	Cards now download properly to the panels even after a network disconnect and reconnect.	PW-14051
Events	Pro-Watch now displays "Door Forced" events and messages correctly.	PW-13187
Hot Fix Error	Client disconnect Hot Fix now works properly for unhandled error codes.	PW-14535
Input Devices	After applying a Hot Fix, input devices (Example: REX and DPS) display a correct Door Input Device Status (DPS) and report events appropriately from these input devices.	PW-14588
Logical Devices	The Entry/Exit Door logical devices report events correctly when the logical device is masked or after a local grant.	PW-11560
Logical Devices	Masking is working appropriately with the Entry/Exit Door logical devices.	PW-14638
Logical Devices	Input point (DPS) status is now updated correctly in Pro-Watch for Entry/Exit Doors.	PW-14602

Panels	Card expiry updates now download properly to the panel if the panel was offline during the Midnight Card update procedure run.	PW-14518
Pro-Watch Server	Pro-Watch server now has better memory usage for card downloads.	PW-13360
Pro-Watch Service	Pro-Watch service now restarts properly, without any card download issues.	PW-14621
PW-5000 Panel	PW-5000 (IP) panel now downloads the cards correctly.	PW-15169
Readers	Status group now displays updated door status for both primary and secondary readers correctly. The readers work as expected.	PW-9522

Known Issues

(Sorted alphabetically by Pro-Watch Component)

Pro-Watch Component	Issue Description	Issue Number
Readers	Secondary Reader uses card formats of Primary reader	PW-15391
Readers	Secondary reader also work based on primary reader configuration [ex- Held Time, Strike time etc]	PW-15392

Pro-Watch® Release Notes

Release 4.5 HOT FIX

(PW-13187)

Release Availability Date: July 2019

Resolved Issues

(Sorted Alphabetically by Pro-Watch Component)

Pro-Watch Component	Issue Description	Issue Number
Cards	Cards now download properly to the panels even after a network disconnect and reconnect.	PW-14051
Events	Pro-Watch now displays “Door Forced” events and messages correctly.	PW-13187
Hot Fix Error	Client disconnect Hot Fix now works properly for unhandled error codes.	PW-14535
Input Devices	After applying a Hot Fix, input devices (Example: REX and DPS) display a correct Door Input Device Status (DPS) and report events appropriately from these input devices.	PW-14588
Logical Devices	The Entry/Exit Door logical devices report events correctly when the logical device is masked or after a local grant.	PW-11560
Logical Devices	Masking is working appropriately with the Entry/Exit Door logical devices.	PW-14638
Logical Devices	Input point (DPS) status is now updated correctly in Pro-Watch for Entry/Exit Doors.	PW-14602

Panels	Card expiry updates now download properly to the panel if the panel was offline during the Midnight Card update procedure run.	PW-14518
Pro-Watch Server	Pro-Watch server now has better memory usage for card downloads.	PW-13360
Pro-Watch Service	Pro-Watch service now restarts properly, without any card download issues.	PW-14621
PW-5000 Panel	PW-5000 (IP) panel now downloads the cards correctly.	PW-15169
Readers	Status group now displays updated door status for both primary and secondary readers correctly. The readers work as expected.	PW-9522

Release 4.5 Web HOT FIX (PW-14227)

Release Availability Date: February 2019

Resolved Issue

(Sorted Alphabetically by Pro-Watch Component)

Pro-Watch Component	Issue Description	Issue Number
Web	Web Event Service now runs without any issues.	PW-14227

Release 4.5

Release Availability Date: January 2019

New Features

(Sorted alphabetically by Pro-Watch Component)

Pro-Watch Component	Issue Description	Issue Number
Access Management	Access Management Portal now sends emails to approvers.	N/A
Advanced Badging	Advance Badging now has a dashboard feature to which compliance reports can be added. See <i>Pro-Watch 4.5 Software Suite User Guide (Document No. 7-901071V16)</i> for more details.	PW-12352
Cards	Ability to create Provisional Card (a card to which a card number can be assigned later).	N/A
Enterprise	New GUI for Microsoft Sync based Enterprise setup Tools.	N/A
Web Alarm Web Events	New Web Based Alarm and Event Clients.	N/A
Web Installation	Improved easy-to-use Web Client Installation Process.	N/A

Notes

(Sorted alphabetically by Pro-Watch Component)

Pro-Watch Component	Note Description	Related Info
Browser Support	We recommend Google Chrome browser for viewing Alarm Monitoring.	N/A
Cards	Pro-Watch issues a warning message when the "Allow 32 Access Levels Per Card" option is selected.	PW-12358
"Readme Release 7 database upgrades from R4 - R6 .pdf" file	If you are upgrading an existing Pro-Watch installation that is Release 3.6 or earlier, use the database upgrade scripts found in the Scripts > PW Upgrade Scripts sub-folder in Disk 2 folder of the Pro-Watch media set to update the server. Please follow the instructions and read the "Readme Release 7 database upgrades from R4 - R6 .pdf" file carefully.	N/A
RTN Support in PW 4.5 Thin Client	<ul style="list-style-type: none"> a. RTN events will always be combined in Thin Client b. Option to turn ON/OFF the RTN setting (device level 'Has Returns') is not available in thin client for PW 4.5. c. The Event Address for RTN events in thin client will be shown as 10k + the Event Address. (Example: Input alarm in RTN state will be shown as 10911 (911 + 10000)). d. Color Coding: RTN alarms will be color coded in green; NO color coding in the Event Viewer. 	N/A
Web Alarms	Pro-Watch thin client Web Alarm Page requires a minimum of two columns selected for proper data display.	PW-12783

Workaround Solutions

(Sorted alphabetically by Issue)

Issue	Description	Related Info
Alarm Count	<p>When a user performs Acknowledge All or selects multiple alarms and Acknowledge, the alarm count may be incorrect for another user who is monitoring the same alarm page.</p> <p>To correct this, click drop-down and select UnAcknowledged or Acknowledged list view once again.</p>	N/A
Alarm Count	<p>When there are more than 1000 (one thousand) alarms in the Rolled Up state and there is a new alarm inflow at the same time, and the user performs Acknowledge by manually selecting Rolled Up alarms, then alarm count may be incorrect since inflow of new alarms and removal of (acknowledged) alarms all happen at the same time.</p> <p>To correct this, click drop-down and select UnAcknowledged or Acknowledged list view once again after waiting a couple of minutes.</p>	PW-13977
Cards	<p>Disabling the “Use Count” feature is not working as expected on Web Client. If the users want to disable the “Use Count” feature using Web Badging, they must remove and re-add the card.</p>	PW-13746
Web Alarm	<p>Pro-Watch Web alarm monitor may fail to load alarms when there are more than 18,000 alarms in UnAcknowledged and Acknowledged Lists with more than 1,000 (one thousand) Rolled Up alarms. During this time, the user must go to Alarm Monitoring page in Pro-Watch thick client to acknowledge or clear the alarms.</p>	PW-13978
Web Client	<p>On a Bulk acknowledge of more than 1000 (one thousand) alarms, the Acknowledgement Pane may not properly refresh. To correct this, click the Acknowledge drop down arrow and select Acknowledge.</p>	PW-13805

Resolved Issues

(Sorted alphabetically by Pro-Watch Component)

Pro-Watch Component	Issue Description	Issue Number
Advanced Badging	The ability to add a Certification is now governed by User/Class Permissions.	PW-11598
Advanced Badging	Advanced Search functionality in Pro-Watch Advanced Badging module now supports Cyrillic characters.	PW-12126
Advanced Badging	Closing the Image Summary E-Docs tab no longer cause an error when no images are present.	PW-12466
Advanced Badging	The syntax error displayed after success bulk add has been removed.	PW-13462
Alarms	Resolved issue with pulling alarms through REST based API.	PW-13558
Auditing	Certification Auditing now works as expected.	PW-12891
Badge Builder	Text Justification in Badge Builder now works properly with wrapped text.	PW-13419
Cards	Fixed the issue seen when setting up Scheduled Clearance code on pre-existing cards.	PW-13735
Compliance Reports	Empty trailing characters are removed from exported Delimited Reports.	PW-12591
Data Entry	Logical Device description field now supports apostrophe (').	PW-13374

Galaxy Integration	For Galaxy GD-96 panel, the system will now detect zone status change on the right zone number for zones 2001 and above.	PW-11362
Galaxy Panels	Galaxy Panels now properly re-connect to Pro-Watch after a network outage.	PW-12120
HSDK	Added support for card facility code changes from the HSDK.	Pw-11702
HSDK	Resolved the issue that prevented entry of HSDK Application Module login.	PW-13094
HSDK	Resolved the issue that prevented proper subscription to OBIX Readers by HSDK Application Modules	PW-13095
MaxPro VMS	Motion Detected event on Camera displays the Video Icon appropriately.	PW-2678
Mobile	E-Mail ID is now a mandatory field on all Mobile Credentials.	PW-13226
Performance	Performance is improved on systems with high Badge- holder counts, preventing "Out of Memory" errors when making access changes.	PW-12390
Pro-Watch Find Utility	Pro-Watch Find utility issue is fixed which was preventing Readers from showing up in the Find Utility.	PW-12525
PW6K1R1E	Facility Code mode now works on offline PW6K1R1E reader modules.	PW-12392
TCP encrypted communication	TCP encrypted communication is now supported between Advanced Badging and Morpho Biometric Readers.	PW-12230
Time Zones	The 12th time zone increment inside a Time Zone now functions as expected.	PW-13086

Time Zones	The time required to make changes to Clearance Codes on sites with an extremely large number of clearance codes has been improved.	PW-12626
Transaction Report	Resolved the SQL error seen when filtering a transaction report for alarms and displaying event dispositions.	PW-13759
Pro-Watch Server	After the Pro-Watch Server is started, hourly services (like checking the event log file size, checking the spool file counts, etc.) now start properly on the first hour following the server startup, without waiting for the first midnight.	PW-11543
Web Badging	The issue in Web Badging which prevented PIN only access has been resolved.	PW-11829
Web Badging	The User now can view the badge holder record when the badge has been associated with a scheduled clearance code.	PW-12389

Known Issues

(Sorted alphabetically by Pro-Watch Component)

Pro-Watch Component	Issue Description	Issue Number
Alarms	Door Forced events being reported from secondary reader during Mask and Local Grant.	PW-13187
Event Viewer	Manage Column feature is not supported in Pro-Watch 4.5 thin client Event Viewer.	PW-13596
Web Alarm	It is recommended to use "All System Events" (default Routing Group in Pro-Watch) instead of creating Routing groups manually with all Channels & Event types in Pro-Watch for a better Alarm Monitor performance.	N/A
Web Alarm	On fetching Unacknowledged or Acknowledged list, Pro-Watch web alarm monitor may show duplicate alarms when two manually created Routing groups within the same channel(s) is associated to a user.	PW-13823
Web Alarm	On fetching Unacknowledged or Acknowledged alarm list, the "Logical Device Description" column of "Panel Comm. Not Responding" event type, and the "Message" column of "Remote Comm. Server Not Responding" event type display empty (blank) in the web alarm monitor.	PW-13996
Web Alarms & Events	ACK & CLEAR permission settings at the Routing Group level is not considered in Pro-Watch 4.5 Web application.	PW-13494
Web Badge	On the Web Client, Dates entered on Certificates, Assets, Add People in Bulk or Batch Modify are entered as current time plus UTC offset. Depending on the client timezone this may reflect as day earlier or later.	N/A
Web Badging	Masking of Special Characters "-", "(" does not function properly in the Web Badging Module.	PW-13939

Web Badging	Photo Capture is not supported in IE.	PW-13920
Web Client	When the Operators Logon/Logoff from the Web Client, the corresponding event will be reported as “Event Occurred” instead of an “Operator logon/Logoff”.	N/A
Web Event Viewer	Routing Groups are not supported by Pro-Watch 4.5 Web- based event viewer.	PW-13501

Release 4.4 HOT FIX

(PW-15566, PW-15568)

Release Availability Date: October 2019

Resolved Issues

Pro-Watch Component	Issue Description	Issue Number
Events	Addressed the specific scenarios where remote communication server is not properly reporting transactions even though the actual card transactions are working properly in the field.	PW-15566
Remote Comm Server	Remote comm server memory consumption will not increase now when using Vista panels.	PW-15568
Cards	Cards now download properly to the panels even after a network disconnect and reconnect.	PW-14051
Events	Pro-Watch now displays "Door Forced" events and messages correctly.	PW-13187
Hot Fix Error	Client disconnect Hot Fix now works properly for unhandled error codes.	PW-14535
Input Devices	After applying a Hot Fix, input devices (Example: REX and DPS) display a correct Door Input Device Status (DPS) and report events appropriately from these input devices.	PW-14588
Logical Devices	The Entry/Exit Door logical devices report events correctly when the logical device is masked or after a local grant.	PW-11560
Logical Devices	Masking is working appropriately with the Entry/Exit Door logical devices.	PW-14638
Logical Devices	Input point (DPS) status is now updated correctly in Pro- Watch for Entry/Exit Doors.	PW-14602

Panels	Card expiry updates now download properly to the panel if the panel was offline during the Midnight Card update procedure run.	PW-14518
Pro-Watch Server	Pro-Watch server now has better memory usage for card downloads.	PW-13360
Pro-Watch Service	Pro-Watch service now restarts properly, without any card download issues.	PW-14621
PW-5000 Panel	PW-5000 (IP) panel now downloads the cards correctly.	PW-15169
Readers	Status group now displays updated door status for both primary and secondary readers correctly. The readers work as expected.	PW-9522
Badge Builder	When the text wraps in a badge field, the text is now justified appropriately, depending on the justification option (Left, Centered, or Right) the user selects.	PW-6571
Maxpro Video Integration	MM Monitor functionalities will now work in MVMS Integration, even when a workstation is added as * (unrestricted client support)	PW-14753

Known Issues

Pro-Watch Component	Issue Description	Issue Number
Readers	Secondary Reader uses card formats of Primary reader	PW-15391
Readers	Secondary reader also work based on primary reader configuration [ex- Held Time, Strike time etc]	PW-15392

Release 4.4 HOT FIX (PW-13187)

Release Availability Date: May 2019

Resolved Issues

(Sorted Alphabetically by Pro-Watch Component)

Badge Builder	When the text wraps in a badge field, the text is now justified appropriately, depending on the justification option (Left, Centered, or Right) the user selects.	PW-6571
Cards	Even after a network interruption between the server and the client, card status changes are now downloaded correctly to the panels.	PW-13600 PW-10149
Doors	Entry/Exit door mask is now working correctly.	PW-14638
Doors	Input point (DPS) status is now updated correctly in Pro-Watch for Entry/Exit doors.	PW-14602
Events	The readers now do not generate a false "Door Forced" event.	PW-13187
Readers	When changing from "Card Only" to "Card and PIN," the status of the Secondary Reader is now updated correctly.	PW-9522
Readers	When the Entry/Exit logical device is masked, the reader now does not report any false "Door Forced" events following a local grant.	PW-11560
Readers	After Pro-Watch 4.4 HOT FIX (PW-11653 and PW-13187) is applied, the readers now do not show as offline and the events are reported correctly.	PW-14588
Workstations	An asterisk (*) can be used in the place of a workstation name to allow any workstation used by an authorized Pro-Watch User to connect to Pro-Watch. This is useful in environments in which the workstation name is dynamically generated upon use.	PW-13790

Release 4.4 HOT FIX (PW-14051, PW-13790, PW-6571)

Release Availability Date: March 2019

New Feature

(Sorted Alphabetically by Pro-Watch Component)

Pro-Watch Component	Issue Description	Issue Number
Workstations	An asterisk (*) can be used in the place of a workstation name to allow any workstation used by an authorized Pro-Watch User to connect to Pro-Watch. This is useful in environments in which the workstation name is dynamically generated upon use.	PW-13790

Resolved Issue

(Sorted Alphabetically by Pro-Watch Component)

Pro-Watch Component	Issue Description	Issue Number
Badges	Text justification now works properly when previewing or printing a badge.	PW-6571
Cards	When a network is restored after a disconnect, card updates are now downloaded properly to the panels.	PW-14051

Release 4.4 HOT FIX (PW-6571)

Release Availability Date: October 2018

Resolved Issue

Pro-Watch Component	Issue Description	Issue Number
Badge Builder	The text string inserted into a badge builder field now wraps and justifies appropriately, depending on its length.	PW-6571

Release 4.4 CleanRoom App

Release Availability Date: October 2018

Support for New App

Pro-Watch Component	Issue Description	Issue Number
System	Pro-Watch 4.4 now supports the CleanRoom App.	N/A

Release 4.4 HOT FIX (PW-12230, PW-13163)

Release Availability Date: September 2018

New Features

Pro-Watch Component	Issue Description	Issue Number
Morpho Terminals	Added TLSv1.2 encryption on communication with Morpho terminals to increase the security of sensitive data.	PW-12230
HID Portal	HID portal is upgraded to use TLSv1.2 from TLSv1.1 for better security.	PW-13163

Release 4.3.5 HOT FIX (PW-14518, PW-15169)

Release Availability Date: June 2019

Resolved Issues

(Sorted Alphabetically by Pro-Watch Component)

Cards	Card downloads can now be executed successfully for PW-5000 panels during the bulk addition of more than 2000 cards.	PW-15169
Cards	Card expiry updates now download successfully to panel if the panel was offline during the Midnight Card update procedure run.	PW-14518
Cards	After network disconnected between the primary comm server and clients for several seconds and after the re-connection is established thereafter, further card updates from client UI are now downloaded successfully to the panels.	PW-14051
Cards	Cards now download properly without any issues after the Pro-Watch Service is started.	PW-14621
Client	The Hot-Fixes released to fix client disconnect now works properly for all error codes.	PW-14535
Panels	A newly added Channel/Panel will now come online properly on the same comm server.	PW-11939
Pro-Watch Server	Following the Pro-Watch Server startup, Status and Events reporting time is improved.	PW-11732
Pro-Watch Server	The Pro-Watch Server now uses less memory to download data to the panels.	PW-13360

Pro-Watch Server	After the Pro-Watch Server is started, hourly services (like checking the event log file size, checking the spool file counts, etc.) now start properly on the first hour following the server startup, without waiting for the first midnight.	PW-11543
Readers	When the Entry/Exit logical device is masked, the reader now does not report any false “Door Forced” events following a local grant.	PW-11560
Web API	The Pro-Watch Web API now does not consume any Pro-Watch user licenses whether it’s installed on the same machine with Pro-Watch Server or not.	PW-11590

Release 4.3.5 HOT FIX (PW-14518)

Release Availability Date: May 2019

Resolved Issue

(Sorted Alphabetically by Pro-Watch Component)

Cards	Card expiry updates now download successfully to panel if the panel was offline during the Midnight Card update procedure run.	PW-14518
Cards	After network disconnected between the primary comm server and clients for several seconds and after the re-connection is established thereafter, further card updates from client UI are now downloaded successfully to the panels.	PW-14051
Cards	Cards now download properly without any issues after the Pro-Watch Service is started.	PW-14621
Client	The Hot-Fixes released to fix client disconnect now works properly for all error codes.	PW-14535
Doors	When a Pro-Watch Entry/Exit logical device (like a door) is masked, the alarms for the door position switch are now not reported.	PW-11560
Panels	A newly added Channel/Panel will now come online properly on the same comm server.	PW-11939
Pro-Watch Server	After the Pro-Watch Server is started, hourly services (like checking the event log file size, checking the spool file counts, etc.) now start properly on the first hour following the server startup, without waiting for the first midnight.	PW-11543
Pro-Watch Server	Following the Pro-Watch Server startup, Status and Events reporting time is improved.	PW-11732

Pro-Watch Server	The Pro-Watch Server now uses less memory to download data to the panels.	PW-13360
Web API	The Pro-Watch Web API now does not consume any Pro-Watch user licenses whether it's installed on the same machine with Pro-Watch Server or not.	PW-11590

Release 4.3.5 HOT FIX (PW-13551)

Release Availability Date: November 2018

Resolved Issue

Pro-Watch Component	Issue Description	Issue Number
Advanced badging	When a card's status is changed, the new status information is now downloaded successfully to the panel.	PW-13551

Release 4.3.5 HOT FIX (PW-12230, PW-13163)

Release Availability Date: September 2018

New Features

Pro-Watch Component	Issue Description	Issue Number
Morpho Terminals	Added TLSv1.2 encryption on communication with Morpho terminals to increase the security of sensitive data.	PW-12230
HID Portal	HID portal is upgraded to use TLSv1.2 from TLSv1.1 for better security.	PW-13163

Release 4.3.5, HOT FIX (PW-10969)

Release Availability Date: December 2017

New Feature

Pro-Watch Component	Issue Description	Issue Number
Mobile Credentials	<p>Provides Pro-Watch support for HID Mobile Credential functionality.</p> <p>This new feature enables Badge Operators to assign mobile credentials to a Pro-Watch Badge Holder through Pro-Watch Advanced Badge Manager.</p>	PW-10969

Limitations of the Hot Fix

1. This hotfix is not tested with the Pro-Watch Enterprise Edition.
2. Only one mobile credential is supported per badge holder.
3. If 'Card seed' option is enabled in Pro-Watch Server options, then Mobile Credential option won't be displayed when adding a new card.
4. After applying the hotfix, all badges/cards must be added/modified from Pro-Watch Advanced Badging only and the HID portal must not be used since it can lead to a data mismatch between PW and HID.
5. All the badge related changes which are supposed to update the HID portal (like First Name, Last Name, E-mail ID etc.) should be done from the Pro-Watch Advanced Badging module only. If you do the same from any other interface like the Pro-Watch Web UI, that will not update the HID portal.
6. Badge holder e-mail ID correction from Pro-Watch will not send the enrollment email to the updated email ID. The operator must delete the Mobile credential and add it again to get the enrollment code to the correct email ID.
7. If the HID mobile credential is already in use when the card number is added manually in Pro-Watch as a normal card, then it will not be possible to convert the card number as a Mobile credential in Pro-Watch. Such cards will remain as normal cards in ProWatch.
8. Entering the HID mobile credential in Pro-Watch by using a specific HID company account and then switching to a different HID company account will lead to synchronization issues. Always use the same HID company account.
9. If the same HID mobile credential card number (that is being allocated to Pro-Watch badge holder by HID) already exists in Pro-Watch as a normal card number, then the Badge/mobile credential creation will fail in Pro-Watch while the HID portal adds that user. That means, if the badge holder and the card get created in HID but not in Pro-Watch, then the PW and HID data will not match. As a result, even when the operator fails to add mobile credential in Pro-Watch, the HID will still send an email invitation to the specific badge holder's email box to download the mobile credential, and

that badge holder will be able to gain access at doors depending on the privilege for that normal card as configured in Pro-Watch. WORKAROUND SOLUTION: When this issue occurs, go to the HID portal and delete the offending mobile credential.

Release 4.3.5, HOT FIX (PW-11590)

Release Availability Date: October 2017

Resolved Issue

Pro-Watch Component	Issue Description	Issue Number
Licensing	This hot fix removes the requirement of a User License for Pro-Watch Web API	PW-11590

Release 4.3.5, Build 11523

Release Availability Date: August 2017

Important Note

Those users who upgrade to Version 4.3.5 from an older version of Pro-Watch must have an updated license. Going forward, all new releases and patches will require an updated license.

New Features

Pro-Watch Component	Issue Description	Issue Number
Android Mobile App	The Pro-Watch mobile application is now available for Android OS.	N/A
Cards	Extended Card Number support for 92-bit cards	N/A
Controllers	Mercury iSTAR panel support for MS-ICS, MS-ACS, MS-I8S and MS-IRS	N/A
DB	SQL 2016/Win2016 support	N/A
iOS/Android Mobile App	Badge Holder Verification to an Area or Door	N/A
iOS Mobile App	TouchID support for login	N/A
iOS Mobile App	App Usability and Security Improvements and other bug fixes	N/A
iOS/Android Mobile App	Multiple API Server configurations for switching between API Server	N/A
iOS/Android Mobile App	Badge Holder picture full image view	N/A
Matrix Controllers	Matrix PIN support	N/A

Mercury Controllers	Reverse IP support	N/A
OSDP	Added support for OSDP encryption and extended messaging options for readers with text displays.	N/A
Readers	MORPHO Wave Reader support	N/A
Web	Identity Management Portal	N/A
Web	Pro-Watch Web Password now enforces password complexity requirements. Web passwords must contain: min 8 char length, at least 1 uppercase character (A-Z), at least 1 lowercase character (a-z), at least 1 digit (0-9), and at least 1 special character (punctuation).	N/A
Web	Web Based Reporting and Badging Clients	N/A

Resolved Issues

Pro-Watch Component	Issue Description	Issue Number
Advanced Badging	Advanced Badging now uses the correct Badge Expire Date when set to a 'Fixed Date' in Badge Builder.	PW-10490
Advanced Badging	The users now can set scheduled clearance code date and time from a client installed in a region with a different time format.	PW-9801
Advanced Badging	The users now can save and print signatures with transparent background.	PW-8888
Advanced Badging	Batch Print from Advanced Badging is now printing the card type (layout).	PW-2805
Alarms	Forced door alarms do not report a 'Held Open RTN' if held past the configured Reader's "Held Time".	PW-9438
Archiving	Archive files can now be converted from Pro-Watch version 4.1 and restored in Pro-Watch 4.2 without any error messages.	PW-9348
Badging	Card status changes now download without any issues.	PW-2727
Clearance Codes	When editing or viewing a clearance code with large number of logical devices, the screen now does not take as long to load up.	PW-9050
Application Login	A SQL server account can now add a new Pro-Watch User without any errors.	PW-9320
DTU	Integer data type card numbers now import successfully and display in Preview Data.	PW-9679

Web API	Mobile app user Login is performed successfully when the user is set to "Never Expires".	PW-9024
DTU	DTU now supports up to 120 characters for Firstname/Lastname and Middle Initial fields.	PW-1711
Galaxy	"Disarm Subset" function now works properly for Galaxy groups.	PW-10241
MICshell	When MIC shell and MIC alarm are minimized, the CPU usage stays at 0%.	PW-7121
Mobile - iOS	When in the "Edit Access Rights" screen the user unassigns all the clearance codes for a card and clicks "Done," an "Error Invalid Arguments" message is not displayed anymore.	PW-10261
Mustering	The muster view using By Badge now correctly displays the number of persons in an area when a badge holder has more than one (1) card and more than one (1) of these cards are used.	PW-7273
Mustering	The cardholders who enter an area through a Secure Mode door are now visible in area attendance or Mustering.	PW-7254
Mustering	When the regional settings are changed, the date/time displayed in the muster screen now change to the regional date/time settings.	PW-7153
Panels	Encrypted PW-6000 panels now do not go offline at midnight.	PW-6279
Panels	"Download Keys" program function that's needed to download encryption keys to Mercury panel is now available by default for root class.	PW-5504
Tables	When the user deletes the logical device associated with the hardware points like input/output/reader, its values are now cleared in the POINT table.	PW-8126

Known Issues

Pro-Watch Component	Issue Description	Issue Number
Advanced Badging	"Modify the clearance codes" and "modify the logical device exemptions" permissions are not working in web client when "card edit" permission is revoked.	PW-10569
Advanced Badging	<p>For a fresh installation of Pro-Watch, Advanced Badging prevents entry of text characters in the card number field even when the card number type is set to "Text" in the Server Options.</p> <p>WORKAROUND SOLUTION: Change the "Card Number Type" value in Pro-Watch Server Options to "Number," save, and then set the option back to "Text". The card number field in Advanced Badging will now accept alphanumeric characters.</p>	PW-9446
Advanced Badging	Enhanced PIN mode option is not available in the advance badge manager.	PW-11038
Android Mobile App	Users may experience an issue resolving NetBIOS names. Hostname mapping must be present in the DNS server for correct address resolution.	PW-9475
Badges	"Code 39" style Barcode designed with a specific position is not getting read when printed from Web Client.	PW-11294
Badges	<p>Data is lost when badge/card is printed from Web the client with "Code 39" style Barcode.</p> <p>WORKAROUND SOLUTION:</p> <ol style="list-style-type: none"> 1. In Pro-Watch, go to the Badge Types module. 2. Go to the Edit Badge Types screen. 3. Click the Design button right next to the EditBadge Layout field to display the Badge Design Screen. 4. Click & draw a BARCODE on the card template. 5. Right-click the barcode drawn and select Properties to display the Properties of Barcode screen. 6. Click EDIT to display the Fields. 	PW-11286

	<p>7. Selected the field(s) you like.</p> <p>Fill out the badge field(s) selected in ALL CAPS to prevent losing any data while printing a badge or card.</p>	
BLOB	<p>To upload a second BLOB image to a badge record, a second BLOB type must be configured with a Label Interface Tag of "Photo" or "Signature" and a Label Interface Index of 2.</p>	PW-11142
Enterprise	<p>Getting error when creating the Enterprise DB from the Enterprise manager UI.</p> <p>WORKAROUND SOLUTION:</p> <p>When creating a new Enterprise, you must use the following workaround:</p> <p>Insert the BADGE_C_AUX in the TABLE_REPL with REPL_STATUS value as 2 in your Enterprise machine PWNT database.</p> <p>SQL Script: "INSERT INTO TABLES_REPL VALUES('BADGE_C_AUX', 2)"</p>	PW-11240
Pro-Watch	<p>The customer must maintain a list of user names and user numbers for each panel to be able to meet the NERC (North American Electric Reliability Council) requirement.</p> <p>EXPLANATION:</p> <p>Pro-Watch generates and saves a log of all users who access a controller. However, Pro-Watch identifies such users by numbers and not by names. NERC requires utility customers keep a separate list of user names and user numbers in addition to the log which is system-generated by Pro-Watch.</p>	PW-10471
Pro-Watch Mobile Android Login	<p>Users may experience an issue when 'API server Host-name' is used for ISOM URL in API config file.</p>	PW-9475
Reports	<p>Scheduled reports are not displaying in IIS testbed and windows authentication (web). WORKAROUND SOLUTION: In the deployment, where DTU is been installed as IIS and Web is configured with windows authentication, you are required to provide permission to IIS AppPool\PWWWebAPIAppPool user for</p>	PW-11327

	the folder C:\Windows\System32\Tasks on DTU installed machine.	
Reports	"Please wait..." progress icon is not displayed when report export is in progress.	PW-11324
Web	Tab order is not working appropriately.	PW-10914
Web	When installing the thinkecture, auth and authh and dtu, the user needs to change the credential for thinkecture identity. See <i>"Section 1.10.1 THINKTECTURE Identity Service"</i> in <i>Pro-Watch 4.3.5. Web Client User Guide 800-12235V10</i> for more info.	PW-10909
Web	When trying to log in for the first time to the Pro-Watch Web client by using Windows authentication, some users may get "Site can't be reached" error message. After providing the correct login credentials, the user will view the error message for a few seconds and then the login will occur successfully.	PW-10787
Web	Sometimes the Pro-Watch Web UI is not fully loaded for Badging and Reports modules. WORKAROUND SOLUTION: Clean up history and try again.	PW-10660
Web Badging	The users can edit the settings of a clearance code (CC) even after the User Permission to Modify Clearance Code has been revoked through Modify Clearance Code option (at Badge Maintenance under user programs).	PW-10603
Web Badging	Permission Issue: User can provide values other than "Certificate Name" while adding the Certificate even when a specific user doesn't have the permission to "Edit Certification".	PW-10570
Web Badging	Permission Issue: User is allowed to provide values other than "Device Name" and "Device ID" while adding Device (Asset) even when a specific user doesn't have the permission to "Edit Asset".	PW-10568
Web Client	When the Web server and client machines are in the same domain, the Pro-Watch Web client is not accessible from same domain machine and gives certificate error (for Google Chrome) or does not give any response (for IE browser). See <i>Appendix A</i>	PW-9862

	in <i>Pro-Watch 4.3.5. Web Client User Guide 800-12235V10</i> for more info.	
Web Client Installation	There is no option yet to “Repair” the Web UI installation.	PW-10341
Web Reports	The vertical scroll bar sometimes does not display on the Reports Settings page.	PW-11305
Web Reports	In the Web client, the Report page sometimes displays empty and is not available.	PW-9876

Release 4.3 API, HOT FIX (PW-11751)

Release Availability Date: November 2017

Resolved Issue

Pro-Watch Component	Issue Description	Issue Number
API	The API now handles the situation appropriately when the Pro-Watch service is not running.	PW-11751

Release 4.3 HOT FIX (PW-14051)

Release Availability Date: March 2019

Resolved Issue

(Sorted Alphabetically by Pro-Watch Component)

Cards	When a network is restored after a disconnect, card updates are now downloaded properly to the panels.	PW-14051
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Release 4.3 HOT FIX (PW-9767, PW-10149)

Release Availability Date: March 2019

Important Action

(Sorted Alphabetically by Pro-Watch Component)

Pro-Watch Component	Issue Description	Issue Number
Registry	Pro-Watch registry key " PtDbResetTimer ", accessible through the Pro-Watch Registry Manager, can be used to adjust the reset time for database reconnection if an interruption occurs between the DB Server and the Pro-Watch Server. PtDbResetTimer must be set to 300 sec when using this hot fix.	N/A

Resolved Issue

(Sorted Alphabetically by Pro-Watch Component)

Pro-Watch Component	Issue Description	Issue Number
Cards	When a network is restored after a disconnect, card updates are now downloaded properly to the panels.	PW-10149
Remote Comm Server	Remote Comm Servers now work properly.	PW-9767

Release 4.3, Build 11341

Release Availability Date: February 2017

New Features

Pro-Watch Component	Issue Description	Issue Number
Advanced Badging	When creating a new badgeholder record, the "Issue Date" and "Expire Date" fields can now be configured to display default values.	PW-4165
API	A new REST based Web API for developers is implemented. More information can be found in the Pro-Watch Web API User Guide.	N/A
Application Login	When changing the application login password, the new password cannot be the same as the previous password.	PW-5643
Badging	In the Advanced Badging module, the users now have the option to provide a Supervisor PIN before they can edit card details.	PW-5592
Card Activation / Deactivation	Panel driven card activation/deactivation is now supported.	PW-3626
Clearance Codes	Support for scheduled clearance codes is added.	PW-2017
Compliance Reports	Pro-Watch now creates a log entry when a user runs a report.	PW-3203
Encryption	Support added for 256-bit encryption implemented for PW-6000/PW-6K1ICE and equivalent Mercury controllers.	PW-4274
Extended Instructions	Users can now view extended instructions within Pro-Watch by clicking the new "View" button.	PW-2522

Firmware	<p>Mercury Firmware for the following panels/sub-panels was added to the Pro-Watch installer : PW-7506</p> <ul style="list-style-type: none"> • EP4502: Encrypted_EP4502_1_22_9_0527_FS_.crc • PW_6101: ep1501_1_22_9_0527.crc • EP1502: ep1502_1_22_9_0527.crc • EP2500: ep2500_1_22_9_0527.crc • M5 IC: m5ic_1_22_9_0527.crc • PW_6000: pw6000_2_8_0_0527.crc • M5-2rp: m5-2rp_appl_1_57_3.aax • M5-2srp: m5-2srp_appl_1_57_3.aax • MR50: mr50_appl_1_52_14. • PW6K1R1e: MR51e_appl_1_5_12. • MR52: mr52_appl_1_57_5.aax 	PW-7506
Mobile Client App	A new Pro-Watch iOS Mobile Client App is offered that allows users to view badge holders and perform other select badging functions.	N/A
Panels	<p>Pro-Watch now supports Honeywell dialect on PW-6000 ports.</p> <p>Mercury has added a new dialect called "Honeywell" to the communications configurations for downstream RS-485 ports on EP-2500 and later model panels. This is intended to allow Honeywell and Mercury subpanels to coexist on the same panel by specifying the dialect on the downstream ports. A PW-6000 or EP-2500 would be able to designate one port as Honeywell dialect and one as Mercury, thereby supporting both subpanels at the same time.</p>	PW-6238
Panels	Support for the Mercury M5-MUX8 subpanel implemented. The M5-MUX8 is a form factor replacement of the M5-8RP boards that will allow users to circumvent F2F reader requirements by adding MR50 subpanels.	PW-6697
Panels	Support for Mercury M5-2K subpanel implemented.	PW-5675
Panels	Support for the Mercury EP1502 controller implemented.	PW-5676
Users	Leap year support added for Pro-Watch user management.	<p>PW-5682</p> <p>PW-5645</p>

Users	A user cannot create a new user by leaving the Username and Password fields blank.	PW-5632
User Permissions	Under Database Configuration, two functions were added to the "Morpho Configuration" module for "Edit Morpho Configuration" and "Execute Morpho Terminal Commands".	PW-6092
User Permissions	There is now a separate permission to enable "Bulk Add Card" function.	PW-4073
Web Password	A change has been made to encrypt and secure the Pro-Watch user web password. After upgrading to PW 4.3 MVO-1, all users with web passwords must reset their web password.	N/A

Resolved Issues

Pro-Watch Component	Issue Description	Issue Number
Advanced Badging	“Supervisor Pin” requirement now works in the Advanced Badging module.	PW-3393
Advanced Badging	In Advanced Badging, the TERMINAL INVALID ENTRY ERROR that was issued when downloading a Morpho reader is now fixed.	PW-7176
Alarm Monitor	In the Alarm Monitor, the Event Toolbars custom-created for a procedure now display properly.	PW-5582
Alarm Monitor	The “Server Busy” message is no longer displayed when a user opens the Alarm Monitor.	PW-5581
Alarm Monitor	Operator Action alarm event now displays in Alarm Monitor.	PW-5510
Badging	Badge Print and Badge Design do not crash Pro-Watch anymore when Pro-Watch is installed on a Drive other than C:	PW-5567
Client	Pro-Watch client now does not issue “Seek Failed Error” message after running for an extended period of time.	PW-3375
Compliance Reports	When the users have a logical device exception that is removed from a clearance code that they have access to, the Compliance Report will display two different rows for the same logical device: (1) in the first row the logical device will be marked with “R” for having been “revoked”, and (2) in the other row, it will still be displayed as a part of the clearance code’s original definition.	PW-5249
Database	When a channel is not installed but panel is installed, changes in Pro-Watch may add entries to the HI_QUEUE table which may impact performance. To prevent such a potential performance issue, the HI_QUEUE table will now not be updated if the panel is marked “Installed” but the channel is marked “Uninstalled”.	PW-3958

DTU	Fixed issue where values could not be entered in the DTU delete column and data fields.	PW-6094
Galaxy	Galaxy Actions now operate properly.	PW-5373
Galaxy	Alarm syntax errors are fixed.	PW-8624
Logical Devices	MRDT now displays the correct text for ACR type of logical device.	PW-5533
Maps	There are no issues now with using the resources attached to maps.	PW-288
MAXPRO VMS	The system does not display a "Server Busy" message when MAXPRO VMS channel is in offline state in Pro-Watch.	PW-5258
MAXPRO VMS	When MAXPRO VMS server/NVR goes offline, the event is now reported in Pro-Watch.	PW-3161
MAXPRO VMS	When a MAXPRO VMS Channel and Server are programmed, but cannot be reached via the network (Offline), a "Server Busy" message is no longer issued.	PW-140
MAXPRO VMS	The users now can go to associated logical devices from event log and event viewer without any syntax errors occurring.	PW-172
MAXPRO VMS	Fixed issue where there was a communication break when confirming settings to a MAXPRO VMS channel even if no changes are made.	PW-4857
MAXPRO VMS	Users can now access Pro-Watch cameras without any "Server is Busy" error messages when MaxPro cameras are installed with Pro-Watch but the MaxPro server is down.	PW-2168

Mercury Intrusion	All Mercury Intrusion group functions now work from Alarm Monitor.	PW-5697
Mustering	Fixed performance issues when users drag/drop badge holders from one muster area to another.	PW-5252
Panels	Fixed the bug where subpanels cannot be added through panel properties screen.	PW-4798
Panels	Upgraded MR51E to Firmware version 1.5.12 to improve the reliability of connecting any panel to PW6K1R1e.	PW-8386
Panel Mover	The Panel Mover utility will no longer display an "Invalid Channel Type" error message.	PW-5493
PIN Mode	Added firmware file to both Pro-Watch suite and patch installer to make PIN mode work on a M58RP with a WIU4 board.	PW-6575
Remote Comm Server	Following a network failure that disconnects a remote communications server from the primary server, the remote comm server panel comes back online successfully once the connection is reestablished, without the need to restart the MICServer.	PW-5595
Reports	Users now need to have the appropriate permission to print and export Audit Reports.	PW-6019
Verification Viewer	Verification Viewer now works properly without mixing up the pictures displayed.	PW-5568
Web Reports	Fixed issue where selecting a filter and then choosing report fields was causing the web client to generate an error.	PW-5156
Wireless Readers	Due to design, SALTO readers do not return the RTN (Return To Normal) status for a door held open causing the door to stay in the held open state. Workaround is provided to return the door status to normal for both the door held and door forced following the RTN event for a door forced open.	PW-6594

Wireless Readers	When you right-click on a SALTO lock and select “Actions” from the pop-up menu, the “Time Override” and “Momentary Unlock” sub-menu options are now available.	PW-6054
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Known Issue

Pro-Watch Component	Issue Description	Issue Number
Mobile App	If a “Never Expires” user account is created, then the user cannot log in to the mobile app. WORKAROUND SOLUTION: Do not use the "Never Expires" checkbox when creating a user account and set an explicit expiration date far into the future.	PW-9025

Release 4.2 SP4 HOT FIX (PW-12959)

Release Availability Date: March 2019

Resolved Issue

(Sorted Alphabetically by Pro-Watch Component)

Pro-Watch Component	Issue Description	Issue Number
Cards	After recovering from a temporary loss of network connectivity on a badging station, pending downloads are resumed.	PW-12959

Release 4.2 SP4 HOT FIX (PW-14220)

Release Availability Date: February 2019

Resolved Issue

(Sorted Alphabetically by Pro-Watch Component)

Pro-Watch Component	Issue Description	Issue Number
Archive	The Archive function now works correctly even for 10 million records.	PW-14220

Release 4.2 SP4 HOT FIX (PW-7121)

Release Availability Date: February 2017

Resolved Issue

Pro-Watch Component	Issue Description	Issue Number
MICshell	MICshell does not anymore use excessive CPU resources when minimized.	PW-7121

Release 4.2 SP4 HOT FIX (PW-5258, PW-5595, PW-7848)

Release Availability Date: October 2016

Resolved Issues

Pro-Watch Component	Issue Description	Issue Number
Server	When the remote commserver is reconnected to the main server following a disconnect, the panels now come online without any issues.	PW-5595
MAXPRO	MAXPRO Server no longer issues a busy message while operating in Pro-Watch UI.	PW-5258
MAXPRO	MAXPRO VMS Channel now comes online when configured with Hostname in the channel communication parameters.	PW-7848

Release 4.2 SP4 HOT FIX (PW-5595)

Release Availability Date: August 2016

Resolved Issue

Pro-Watch Component	Issue Description	Issue Number
Panels	When the user disconnects and then reconnects the COMM server, the remote COMM server panels come back online as expected, without the need to restart the MICServer.	PW-5595

Known Issue

Pro-Watch Component	Issue Description	Issue Number
Panels	When the user opens the Edit Logical Device for a door on the PW-2000 panel and then closes it without making any changes, the system displays the message "Command Range Error".	PW-6969

Release 4.2 SP4, Build 11092

Release Availability Date: April 2016

New Features

Pro-Watch Component	Issue Description	Issue Number
Advanced Badging	"Card Disable Days" is added as an option under Batch Modify to set the card disable days for all badges/cards or a subset of badges/cards.	PW-5254
Advanced Badging	Pro-Watch now offers a Batch Printing functionality.	PW-4999
Badge Profiles	"Vehicle Permit Page" check-box is created under "Badge Profile Info" in Badge Profiles. "Quick Search Configuration" is renamed as "Search Configuration". "Quick Search" fields moved to "Search Configuration" tab.	PW-4985
Compliance Reports	Transaction Reports now offer the option of displaying "Event Responses" if the "Display Event Responses" check-box is selected.	PW-4603
Compliance Reports	Pro-Watch now features a new Sample Report called "Logical Device - Clearance Code Matrix Report" which can be reached at Sample Reports > Configuration Reports > Logical Device Reports. The report displays logical devices down the left side and clearance codes across the top. Where a logical device and a clearance code intersect, the report displays the logical device time zone. The report also has rows detailing the count for the number of active cards, number of cards, and number of doors.	PW-5176 PW-5334
Compliance Reports	The Statistics report now features a partition filter as a part of the report generation wizard.	PW-4983
Compliance Reports	Operator Log report now displays log entries for Panel Initialization, System Downloads, and Card Downloads.	PW-1093
Compliance Reports	Compliance Reports now display new card fields such as card type, last change date, last print date, print count, return date, card note, card number, etc.	PW-4709

DTU	Searching-with-regular-expressions functionality for DTU is improved for each key and mapping.	PW-5321
Operating System	Pro-Watch now supports Windows 10.	N/A
SQL Server	Pro-Watch now supports SQL 2014. (Pro-Watch Enterprise is not supported. See known issues.)	PW-5338

Resolved Issues

Pro-Watch Component	Issue Description	Issue Number
Advanced Badging	The “Last Update” field for a card is now updated correctly when a card or a certificate expires.	PW-5223
Advanced Badging	“Find Dependencies” now work properly for badge types assigned as card type.	PW-4843
Advanced Badging	Batch Modify actions on “Badge Issue/Expire” and “Card Issue/Expire” date works properly when the regional settings of the client PC use the DD/MM/YYYY format for date.	PW-5416
Alarm Monitor	Historical Trace from the Alarm Monitor now displays the correct value for the “Logical Device Alt Description” column.	PW-5239
Archiving	Archiving and Purging functions now work properly.	PW-5108
ASSA ABLOY	ASSA ABBLOY Aperio readers now work properly when Pro-Watch LED Schema is set in the PW6K panel configuration.	PW-4469
Badge Builder	Badge builder permissions now work in Badge Builder.	PW-3440
Badge Designer	The users now can import 32-bits bitmap images in Badge Designer.	PW-4783
Biometric Templates	Fixed the issue where biometric card hand templates were not downloading to the panel.	PW-4853
Certification	The users now can add certifications to clearance codes by double clicking	PW-4916

Certification	The users now can sort the certificates in ascending or descending order when assigning them to Clearance Codes.	PW-4908
Channels	The “Channel Type” drop-down list in the “Create a Channel” screen now is wide enough to display the full name of the channel type.	PW-4836
Classes	The users now can delete a Program Function from a Class without any issues. The Audit Report displays only one entry for the changed program function.	PW-4409
Clean Room	The Clean Room application now runs properly without any error messages.	PW-4664 PW-4990
Clearance Codes	Fixed the issue where cards assigned to temporary or timed clearance codes were given one extra access at readers after the clearance code expired.	PW-4765 PW-4766

Compliance Reports	Fixed the issue where creating a folder with the same name as an existing folder caused an infinite error message loop.	PW-5379
Compliance Reports	Fixed issue with authentication errors when running a saved Compliance Report against a remote SQL Server Database.	PW-5159
Compliance Reports	The users now can schedule a Transaction Compliance Reports with a Recorded Video column in it without any issues.	PW-4604
Compliance Reports	The Audit Log report displays correctly after a logical device is deleted.	PW-4876
Compliance Reports	The users now cannot have multiple folders with the same names under My Reports.	PW-4615
Compliance Reports	Even after a User leaves the company and his or her record is deleted from the User Table, when an Event Log Report is run, the report still lists the user responsible for a specific event.	PW-4412
Database	Fixed Pro-Watch patch.sql error on COMMON_PANEL_MOVE when using SQL Server 2012.	PW-5090
Database	System performance improved by removing the PRINT statement from a number of Pro-Watch objects.	PW-4905
Database	Fixed the issue where disabling the Cypher mode options for SALTO locks were causing long delays when getting hardware configuration data.	PW-3867

Database	In the Database Configuration module, the users now can add a new Database Table without any issues.	PW-5410
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Configuration		
DTU	When a user changes the company for a specific badge by using DTU, the Badge History Report now displays the change without any errors.	PW-5408
DTU	Real Time DTU service now starts and works properly.	PW-5420
DTU	Fixed the issue where the GetDate() function was not working in DTU and Real Time DTU..	PW-3811
DTU	The users now can configure Card Disable Days without any issues when creating a DTU import profile.	PW-5253
DTU	The users now can map Auto Disable Days for cards in the DTU.	PW-5316
DTU	The users now can map Company fields to a Company resource badge field in the DTU module.	PW-5059
DTU	A card inserted through DTU now does not generate any error messages after a clearance code is assigned and the card is saved.	PW-3367

HSDK	Fix the crash that happened when performing HSDK actions on OBIX devices from Pro-Watch remote client.	PW-5346
HSDK	Fixed the error that occurred when opening HSDK panel from ProWatch remote client.	PW-5347
HSDK	Fixed issue where actions for OBIX devices were not working.	PW-5325
HSDK	HSDK actions are now working properly in Alarm Monitor and Map views.	PW-5320
HSDK	Event Procedure now performs HSDK Actions properly with HAPI ASSA Locks.	PW-5257
HSDK	Users now can close the HSDK panel properties page when the ASSA reader is selected in the tree-view navigation pane.	PW-5234
Installation	The Pro-Watch installer package can now be installed under the "System" account.	PW-5374
Maps	Resource texts are now easily readable in Pro-Watch maps.	PW-142

Mercury Intrusion	Fixed the issue where a zone's "Mode at Start" setting under Panel Properties were not being saved.	PW-4592
Panels	The PW5000_PANEL_R table can now be audited.	PW-4540
Partition Manager	Partition Manager now sorts partitions in alphabetical order when the user assigns the partitions.	PW-5117
Advanced Badging	In the "Programs" tab of the "Edit Users" screen, the "Add", "Update", "Delete", and "Query" function labels have been changed to read "Add Badge", "Edit Badge", "Delete Badge" and "Query Badge", respectively.	PW-5269
PW Mobile Reader	The users now can add a mobile reader to the Smart Plus channel/panel without any issues.	PW-5221
Verification Viewer	Photo verification windows can now be resized to display large photos.	PW-5311
Verification Viewer	A resized Verification Window now maintains its size upon scan. A minimized Verification Window is restored to its resized view upon scan. A maximized Verification Window maintains its maximized size upon scan.	PW-5456
Verification Viewer	Pro-Watch Verification Viewer is now working properly on MVMS Monitor.	PW-5140
Web Badging	Fixed the issue where Resource Type badge fields were not displaying and saving properly.	PW-5336
Web Badging	Fixed the issue where badging changes were not saved when userdefined custom fields had the word "COMPANY" in the FIELD ID.	PW-5309
Web Badging	The users now can save a badge-holder record when the "FIRST NAME" field is set to "Required to Save".	PW-5265
Web Badging	The users now can search the badging records successfully by using the "LAST NAME" as a search parameter.	PW-5219
Web Badging	The users now can search the badging records successfully when the badge record contains "FIRST NAME", "LAST NAME" fields and the user-defined "Resource > COMPANY" and "Resource > BADGE" fields.	PW-5106

Web Badging	The users now can save a badge-record when the DATETIME field is set to "Required to Save".	PW-5105
Web Badging	The mandatory "CARD TYPE" field (in the "CARD DETAILS" screen) is now displayed with a yellow background.	PW-4987
Web Badging	The search functionality now works properly when the users press the ENTER key instead of clicking the SEARCH button.	PW-4792
Web Badging	The users now can print successfully any badge with "User Defined" Resource type.	PW-5337
Web Badging	When searching returns multiple search results, Pro-Watch displays the correct cursor type on the screen.	PW-4793
Web Badging	The Badging Profile window now displays all fields properly.	PW-5386
DTU	The users can now export card data when using ODBC Profile Type.	PW-4877

Known Issues

Pro-Watch Component	Issue Description	Issue Number
Users	Custom event toolbars do not work properly.	PW-5392
Enterprise	Pro-Watch Enterprise does not support SQL 2014.	PW-6031
Web Badging	User cannot capture "Badgeholder photo" using Edge Browser and Chrome (Version 42 and above) Browser.	PW-5673
Web Badging	The functionality that allows capturing Signature using TOPAZ Signature Pad does not work in the following browsers: 1) Edge, 2) Chrome browser Version 42 and above.	PW-5674

Release 4.2 SP3 HOT FIX (CumulativeHF_2)

Release Availability Date: February 2019

Resolved Issues

(Sorted Alphabetically by Pro-Watch Component)

Pro-Watch Component	Issue Description	Issue Number
Alarm Monitor	The pop-up Context Menu now displays appropriately.	PW-5152
Badge Builder	In Badge Builder, the text is now justified appropriately even when the text wraps.	PW-6571
Badges	Photo verification windows now can be resized to display large photos.	PW-5356
Biometric Readers	Biometric card hand templates are now downloaded to the panel appropriately.	PW-4853
Cards	Card status now downloads correctly.	PW-2727
Cards	Card status updates now get downloaded to the panels appropriately even after a network interruption between the server and the client.	PW-14028
Event Procedure	Event Procedure now performs HSDK Actions appropriately when created with custom template with Obix reader and input.	PW-5257
Galaxy	The Zone status now changes to Normal without getting stuck at Low or High Resistance status.	PW-4897

Panels	Online panels now send events appropriately.	PW-5335
Remote Comm Server	When a Remote Comm Server goes offline, it now sends a "RTN from offline" when it reconnects.	PW-10871

Known Issues

(Sorted Alphabetically by Pro-Watch Component)

Pro-Watch Component	Issue Description	Issue Number
Advanced Badging	<p>User cannot close the UI after occurrence of connection interruption and re-connection</p> <p>If there is a momentary network interruption between server and client, Advanced Badging displays a message box saying "Connection lost -- Retry-Cancel". The user is expected to choose Retry or Cancel. The card download happens correctly when the network connection is restored. However, when the user chooses to close the window, Advanced Badging becomes unresponsive and must be killed from the Task Manager. This is only an UI issue and does not affect card downloads.</p>	PW-14221
Card download issue - Remote Comm server specific	<p>During any card status update from the client UI, if there was network disconnection either from the Primary Server or the Secondary Remote Comm Server, then the card download is failing with panels in the Secondary Remote Comm Server. This issue happens only for the specific card which was getting modified during the network disturbance. After network issues are resolved, additional cards modified from the same UI (without closing and reopening itself) will correctly download cards to panels in the Primary and Secondary. This is a pre-existing condition; not caused by this hot fix.</p>	PW-14054

Release 4.2 SP3, HOT FIX (PW-10871, PW-2727, PW-4897, PW-5152, PW-5257, PW-5335, PW-5356, PW-6571, PW-4853)

Release Availability Date: August 2018

Resolved Issues

Pro-Watch Component	Issue Description	Issue Number
Comm Server	Remote comm servers are now functioning correctly and not generating any false alerts.	PW-10871
Pro-Watch System	Card status changes now download correctly to the panels.	PW-2727
Galaxy	Pro-Watch now correctly monitors zone resistance.	PW-4897
Alarm Monitor	Context menu for alarms now pop up correctly after acknowledging alarms.	PW-5152
Events	Event Procedure now performs HSDK actions correctly.	PW-5257
Panels	The panels now send events correctly when the panels are online.	PW-5335
Images	The photo verification windows now retain their size and on-screen positions.	PW-5356
Badges	Long strings of text now justify and display correctly on badges.	PW-6571
Panels	Biometric card hand templates are now downloaded correctly to the panel.	PW-4853

Release 4.2 SP3, HOT FIX (PW-5335, PW-4897, PW-4853)

Release Availability Date: February 2016

Resolved Issue

Pro-Watch Component	Issue Description	Issue Number
Panels	Panels now work properly online and send events.	PW-5335
Galaxy	The users now can change the value of the Galaxy zone resistance from Normal to High Resistance and then back to Normal again without stopping or restarting the Pro-Watch.	PW-4897
Biometric Readers	Biometric hand templates are now downloaded properly to the panels/cards.	PW-4853

Release 4.2 SP3, SCTU

Release Availability Date: December 2015

New Feature

Pro-Watch Component	Issue Description	Issue Number
SCTU	Pro-Watch Site Configuration Transfer Utility (SCTU) is an executable program delivered with the Pro-Watch product package to enable users to transfer Pro-Watch (PW) site hardware and configuration settings from one server to another.	N/A

Release 4.2 SP3, Build 10835

Release Availability Date: September 2015

New Features

Pro-Watch Component	Issue Description	Issue Number
Advanced Badging	In the Advanced Badging module, the users can (as an option) render the Card tab fields (Card Status, Company, Issue Date, Expire Date, and Card Type) read-only or editable by granting or revoking the fields in the Edit Users > Programs Tab > Badge Maintenance > Badge Maintenance sub-directory.	PW-4848
APB	APB (anti-passback) queue is now processed faster due to several changes made to PW server and database. New features "SITEbased APB" and "Area-based APB" allow reduction in APB queue size, giving further boost to performance. The "Auto Load Balancer" feature ensures even distribution of APB processing between the APB processors."	PW-4922
Badging	Two new program functions added: Badge Audit History and Badge/Card Transactions.	PW-4951
Partitions	The users can now bulk-load hardware into partitions by using the Partition Manager.	PW-4697

Resolved Issues

Pro-Watch Component	Issue Description	Issue Number
Advanced Badging	Custom badge fields now work properly.	PW-4899
Badge Designer	When the users try to upload an image that exceeds the maximum allowable size limit, the system now displays an error message.	PW-68 PW-262
Badging	When bulk-adding badges, if a company has clearance codes assigned to it, the clearance code additions to the card are now audited.	PW-4410

Companies	A user without any permissions now cannot Add, Edit or Delete a company.	PW-4481
Installation	Remote database installation instructions updated since Pro-Watch does not now use extended stored procedures in the master database.	PW-4807
Reports	Certification Compliance Report now lists the certifications along with whether or not that certification is expired for the badge-holder.	PW-4903
Reports	The audit report now displays the name of the companies that have been added and then deleted.	PW-4648
Reports	After adding and deleting a new clearance code, the Audit Log Report and the Operator Log Report display the correct before and after values and descriptions.	PW-366
Web Badging	In Pro-Watch web client, users are now able to add the alreadyadded Asset to a Badge Holder.	PW-4961
Web Badging	In Web Badging, the system will now demand that the users fill all the "Save" and "Print" fields that are configured as mandatory in the badge profile.	PW-4791
Web Client	When the Web Client is uninstalled it does not remove the registry keys "database name" and "database server name".	PW-4866
Web Client	The user now can save the "Character Case" setting in the Application Settings screen of the web client.	PW-4854
Web Client	Clearance Code Association screen now displays the appropriate titles.	Pw-4962
Web Client	Web Client Alarm Monitor now plays sound files for audio alerts.	PW-3861

Known Issues

Pro-Watch Component	Issue Description	Issue Number
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Database	While upgrading a database using patch.sql on a database server using SQL 2012 the user will see the following error: "Msg 257, Level 16, State 3, Procedure COMMON_PANEL_MOVE, Line 303" WORKAROUND: Use the script Common_Panel_Move.sql, found in the Scripts folder on the distribution disk, which will drop and read the stored procedure with the fix.	PW-5147
Web Reports	In the Web Report Wizard, the web client displays an error message if the fields selected to filter and create a report are not selected from left to right in an orderly fashion. WORKAROUND: Select the Web Report Wizard filtering fields from	PW-5157
	left to right and not in any other order.	

Release 4.2 SP2, HOT FIX (PW-12120, PW-5335, PW-5595, PW-11654, PW-7599)

Release Availability Date: August 2018

Resolved Issues

Pro-Watch Component	Issue Description	Issue Number
Panels	After a network disconnect, Pro-Watch re-connects to the Galaxy panel successfully.	PW-12120
Panels	Panels now work properly online and send events.	PW-5335
Panels	After Remote Comm server reconnects with primary server in the aftermath of a failure, the panels do come online successfully.	PW-5595
MICServer	MICServer memory leak is now fixed.	PW-11654
Pro-Watch Service	Pro-Watch Service crash (reported by JnJ) is now fixed.	PW-7599

Release 4.2 SP2 HOT FIX (PW-7978)

Release Availability Date: February 2017

Resolved Issue

Pro-Watch Component	Issue Description	Issue Number
Badging	MICShell used to crash on print preview or printing badges after upgrading to PW 4.2 SP2. SOLUTION: Install the new DLL (NorthernBadge.dll).	PW-7978

Release 4.2 SP2 HOT FIX (PW-6909)

Release Availability Date: September 2016

Resolved Issue

Pro-Watch Component	Issue Description	Issue Number
Find Functionality	In Pro-Watch, searching for a Logical Device by using the Find functionality now yields a correct result.	PW-6909

Release 4.2 SP2 HOT FIX (PW-5595)

Release Availability Date: July 2016

Resolved Issue

Pro-Watch Component	Issue Description	Issue Number
Panels	When the user disconnects and then reconnects the COMM server, the remote COMM server panels come back online as expected, without the need to restart the MICServer.	PW-5595

Release 4.2 SP2, HOT FIX (PW-5152)

Release Availability Date: February 2016

Resolved Issue

Pro-Watch Component	Issue Description	Issue Number
Alarms	In Alarm Monitor, contextual pop-up menu displays correctly when a user right-clicks and holds the mouse button down on an alarm event.	PW-5152

Release 4.2 SP2 HOT FIX (PW-4801)

Release Availability Date: June 2016

Resolved Issue

Pro-Watch Component	Issue Description	Issue Number
Archiving	Archive Status now gets updated to indicate to the user that Archiving/Purging/Restore process is in Processing state.	PW-4801

Release 4.2 SP2 HOT FIX (PW-3867)

Release Availability Date: May 2016

Resolved Issue

Pro-Watch Component	Issue Description	Issue Number
Hardware Configuration	Fixed issue where disabling cypher mode hardware action for SALTO wireless readers created significant performance issues when opening Hardware Configuration and navigating within the logical devices in Hardware Configuration.	PW-3867

Release 4.2 SP2, Build 10765

Release Availability Date: August 2015

New Features

Pro-Watch Component	Issue Description	Issue Number
Alarms	The users now have the option to stop receiving video alarms from MaxPro VMS.	PW-4560
Archive Conversion Tool	Archive Conversion Tool helps users convert old archives (3.81, 4.0, and 4.1) to the current format (4.2).	PW-4890
Certifications	Clearance Codes screen now features a "Certifications" tab. Advanced Badging now offers a certification module through which a user can create certifications and assign them to clearance codes and badge-holders.	PW-4531 PW-4364
Compliance Reports	New report "Clearance Code Non-Usage Report" is added to Sample Reports under Configuration Reports > Clearance Code Reports.	PW-4567
Compliance Reports	The users now can run a report on the firmware version of the panels.	PW-4408
Compliance Reports	New report "Hardware Status Report" is added to Sample Reports under "Log Reports". This report tracks the last status of a logical device.	PW-3634
Devices	The Server Options screen now has a "Logical Device Status Reporting" check box that the users can select to enable Logical Device Status Reporting.	PW-4936
MaxPro	Syncing between the Pro-Watch and MaxPro users can now be disabled so that deleting any users in MaxPro does not affect the Pro-Watch users.	PW-4558
Panels	Users upgrading from PW-5000 panels to PW-6000 can now easily convert these panels in Pro-Watch without having to rebuild the panels.	PW-4526
Web	Windows authentication is now available for Pro-Watch Web Client.	PW-3350

Resolved Issues

Pro-Watch Component	Issue Description	Issue Number
Advanced Badging	Advanced Badge Manager now displays the "Time Data" field correctly.	PW-4362
Advanced Badging	A custom Badge Field of the Type Resource with resource type Badges now works properly in Advanced Badging.	PW-4041
Advanced Badging	The users can now set Temporary Access for revoked logical device.	PW-2617 PW-4598
Badge Designer	Badge Designer now supports the browsing functionality to search for images.	PW-281
Badge Wizard	The Badge Wizard now reports any duplicate cards.	PW-248
Badges	Unique badge fields can now be configured.	PW-1208
Badges	The new Badge Bulk Add functionality now works properly.	PW-182
Badging	Users cannot void a card that is already void.	PW-4588
Badging	Pro-Watch now offers a new resource type for badges: "Cell Carrier".	PW-4389
Badging	Badge Status Default value now can be assigned in Badge Builder.	PW-4038
Badging	When Unique PIN is enabled, copying and pasting now does not allow the creation of a duplicate PIN.	PW-3555
Badging	The users now cannot exceed the permissible limit of clearance codes for CHIP and PW6000 series panels by using batch modify.	PW-3544
Badging	Badging Wizard now supports up to 32 digits as Card Number.	PW-342
Badging	Refreshing the Badge List now does not crash the system.	PW-178
Cards	"Copy card" function now correctly copies clearance codes that are assigned to partitions.	PW-3038
Cards	When a user adds a card, the Audit Log Report is issued correctly.	PW-181

CCTV	The users can now view CCTV dependencies and dependencies for CCTV commands associated with Video Events.	PW-120
Channels	The Channel Type column is now adjusted for PW-6000 channels.	PW-106
Company	Company deletes are now properly audited.	PW-4219

Compliance Reports	Users are not allowed to have duplicate folders or report names under a sub-folder.	PW-4615
Compliance Reports	The “IN” operator now works correctly without reporting any error messages in Compliance Reports.	PW-3908
Compliance Reports	The legends in Compliance Reports charts now display the correct information.	PW-3144
Compliance Reports	The Mustering Report, when sorted by different columns, now prints correctly.	PW-1097
Compliance Reports	The text of the “Message” column in the Event Log Report does not overwrite on the “Channel” column anymore.	PW-297
Database	System performance is improved due to better configuration of PWAP stored procedures.	PW-4566
Database	Web performance is improved due to better configuration of Web stored procedures.	PW-4565
Devices	While adding a new logical device, if you select a Hardware Template after selecting a control panel, the control panel now does not go back to the first control panel in the list.	PW-233
Devices	When deleting a device from a hardware template, the system will issue a warning that the device will be deleted from all configured logical devices.	PW-221
Event Log	While in the Even Log Viewer, the users can now conduct a search by reader name, input, and output name.	PW-115
Events	Line items in the Event Viewer can no longer be edited by the user.	PW-306
Events	Users can view all dependencies on an event procedure, including those referenced by a hardware point.	PW-116

Galaxy	A large icon can now be displayed for a Galaxy Keypad.	PW-4467
Licensing	"Compliance Reports" has been removed from and "Data Transfer Utility API" has been added to the Pro-Watch Licensing Information and Installation screen.	PW-2984 PW-4394
Logical Device	When the users create a new device (e.g., readers), the device now defaults appropriately to the selected hardware class.	PW-4535
MaxPro	MaxPro now integrates with Pro-Watch better with Class associations in Pro-Watch synched with and mapped to the Role associations in Maxpro.	PW-4561
MaxPro	When synching workstations from MaxPro, the description field for the workstation now is not overwritten.	PW-4559
MaxPro	If a Pro-Watch user's FirstName and LastName are edited in MaxPro, the new first and last name fields will now display correctly in Pro-Watch instead of displaying the User Name field from MaxPro.	PW-2166
Mercury Intrusion	Action rules are now enforced on Mercury Intrusion related logical devices.	PW-4493
Messages	When there is a version mismatch, Pro-Watch now displays the correct error message.	PW-4652
Mustering	The user now can delete records from the Mustering Area.	PW-4502
Mustering	Partitioning now works properly with Mustering.	PW-4406
Panel Mover	Panel Mover updated for database changes.	PW-4087
Panels	The "Offline (ms)"editable field on the Panel tab of the Edit Panel screen has been removed.	PW-3109
Partition	While creating a logical device, the users now cannot assign the hardware template of a partition if they do not have the necessary permission for that partition.	PW-135
Partitions	Partitions can now be assigned to the "All Access" clearance code.	PW-4659
Partitions	Partion dependencies now display correct resources.	PW-3075

PW-2000	The "Entry/Exit Reader Door" hardware template in Pro-Watch now supports PW2000 interlocks programmed by default.	PW-3932
Saving	The Audit Log, Event Log, and Unacknowledged Alarms Log now saves the date as well as the time.	PW-71
Star II	Star II panel now issues the appropriate error message when there is an access level violation.	PW-1308
Tables	"Point" table is now audited properly.	PW-4509
Verification Viewer	When a custom "Time" field is added, Verification Viewer display the time correctly.	PW-4537
Web	Pro-Watch Web Component installer now install the VC++ redistributable vs2008 and vs2010.	PW-4538
Web	If a user does not have permissions for certain options, those options are now grayed out.	PW-4480
Web	Pro-Watch web client now displays the appropriate error message when a user does not have a valid license.	PW-4470

Known Issues

Pro-Watch Component	Issue Description	Issue Number
128-bit Card	Pro-Watch 128 bit card number support is not yet available until FICAM certification is completed.	PW-4255
Antipassback	For an Area, after unchecking the Active and Minimum checkboxes, the Two-Person Rule continues to be enforced until a system download is performed.	PW-4953
Classic & Web Badging	Certifications have been enabled in Advanced Badging. However, the users are able to use Classic & Web Badging to circumvent the requirements for Certifications such as: <ol style="list-style-type: none"> 1) Not being able to assign Clearance Codes to cards when the badge-holder does not have the required certification. 2) Not being able to assign companies which have certificate requirements to cards when the badge-holder does not have the required certification. 	PW-4873

Release 4.2 SP1, HOT FIX (PW-5356)

Release Availability Date: December 2015

Resolved Issue

Pro-Watch Component	Issue Description	Issue Number
Badging	Photo verification windows now can be resized to display large photos.	PW-5356

Release 4.2 SP1, (Build 10629) HOT FIX (Galaxy)

Release Availability Date: October 2015

Resolved Issues

Pro-Watch Component	Issue Description	Issue Number
Events	The Event Monitor now displays Zone Mode Arm/Disarm events for an Area.	PW-4810
Galaxy	When the Galaxy panel's zone status is changed from "Low or High Resistance" to "Normal", Pro-Watch correctly reverts the panel status back to "Normal".	PW-4897
Panels	The user can now connect to a Miniplex panel, which was lost when upgrading to a version of Pro-Watch 4.1 or greater.	PW-4802

Release 4.2 SP1 (Build 10629) HOT FIX

Release Availability Date: June 2015

New Feature

Pro-Watch Component	Issue Description	Issue Number
Archiving	The users can now archive and restore records more quickly.	PW-4479

Resolved Issues

Pro-Watch Component	Issue Description	Issue Number
Archiving	In Archive of Events, the “Username” and “Workstation” fields are archived and restored correctly.	PW-4047
Archiving	The users can now purge all the records within the time window while archiving.	PW-4796

Known Issue

Pro-Watch Component	Issue Description	Issue Number
Archiving	Archive Status should indicate “Processing” instead of “Pending” when the user starts the process.	PW-4801

Release 4.2 SP1, Build 10629

Release Availability Date: May 2015

New Features

Pro-Watch Component	Issue Description	Issue Number
Advanced Badging	PW6000IC and PW6101ICE now support 32 clearance codes.	PW-4092
Installation	Silent installation is now supported.	PW-4074
Stored Procedures	System performance is enhanced by improved performance of stored procedures.	PW-4026 PW-4009
Enterprise	Pro-Watch Enterprise now supports SQL 2012.	PW-4016
Advanced Badging	In the Advanced Badging module, the Batch Printing screen now displays the new "Issue Date" column and supports sorting on all columns prior to printing.	PW-3910
DTU	DTU now supports Card Type and Last Change Date data fields.	PW-3807
Firmware	PW-3000 panel now features 2.092 version firmware.	PW-3863
Hardware	Pro-Watch now supports a new tab for all hardware devices (Site, Channel, Panel, Logical Devices) that gives the operator the ability to define 5 text fields and a notes box for each device.	PW-3635
Clearance Codes	Clearance Codes definition screen now supports "Owner" and "EMail" text boxes to identify the owner of the clearance code.	PW-3633
Advanced Badging	When importing a photo in Advanced Badging, the operator now can resize the photo and display the photo properties like size, height, and width.	PW-3631
Advanced Badging	The users can now add assets in the Advanced Badging module.	PW-3630
Compliance Reports	When exporting a report in Compliance Reports, the operator can now add text to the body of the e-mailed report.	PW-3629

Enterprise	The Enterprise Stored Procedures now have a new sort order to make sure that the records are processed in proper order	PW-3339
Mercury Intrusion	Pro-Watch now supports Mercury Intrusion functionality as a future feature.	PW-3074
Interface	Customized icons for Maps and hardware monitor status screen.	PW-1021
	The new icons now differentiate between Input Alarm and Input Shunted conditions.	

Resolved Issues

Pro-Watch Component	Issue Description	Issue Number
Time Zones	Added a Note to “59.1 Overview” of Chapter 59 “DBS – Time Zones”: “ Note: The end time for a time zone ends at the END of the last specified minute. For example: a time zone running from 16:00 to 23:59 starts at 4 PM and ends at midnight, not at 11:59 PM. Another example: an 8-hour time zone running from 10:00 to 18:00 starts at 10 AM and ends at 6:01 PM.”	PW-4578
Firmware	The new version of firmware for the ep1501 (PW6K1ICE) is "ep1501_1_20_1_437".	PW-4115
Wireless Readers	Pro-Watch now correctly reports if an ASSA ABLOY lock has lost communication with the router, if the lock is reporting a low battery, or if the tamper button is pushed.	PW-4113
Badging	MicShell now does not crash when using mustering by badge.	PW-4103
Cards	The “Card is out of range for one or more channel types” error message is not issued any more when editing a card created by the Wizard interface.	PW-4064
Badging	The users can now rename the “Company” in Server Options without any problems both in Classic Badging and Advanced Badging modules.	PW-4044
Users	A user with an expired User ID can no longer log on as a Shadow User by using the Shadow Login functionality.	PW-4043
Panels	Reader commands from Panel Status dialog box now do not generate any database errors.	PW-4028

Licensing	The system now will not report a random "License Expired" message in error.	PW-4015
Users	The system now will not generate a Run Time error message when the user logs off the Shadow Login.	PW-3994
User Interface	When the UI menus are updated they now do not generate any flickering or performance loss.	PW-3991
Cards	When the Duress option is enabled, the users can create cards by using a Null PIN code.	PW-3990

Panels	When the user opens multiple status windows, sub-panels now will not go on and offline.	PW-3984
Compliance Reports	Pro-Watch upgrades now support Pre-canned Compliance Reports.	PW-3983
Compliance Reports	Archived transaction report now runs and generates data successfully.	PW-3936
Panels	The panels set to APB (Anti-Passback) will now not experience unnecessary downloads thanks to the new registry settings.	PW-3890
Installation	Large sites now will not experience any communication issues due to new registry values set at installation.	PW-3888
Wireless Readers	The cypher mode option for SALTO locks is now disabled.	PW-3867
Panels	EP-2500 can now be configured with the correct port options.	PW-3856
Wireless Readers	It is not possible to change the SALTO lock's default Held Time/Extended Held Time. So the option has been removed.	PW-3855
Panels	EP2500 now does not issue any error messages when SALLIS subpanels are assigned to its ports.	PW-3843
Panels	A user can now assign multiple SALTO routers to a PW-6000 panel with each router having its own port.	PW-3840
Advanced Badging	When the user wants to take someone's picture with the web camera, selecting the "Display Twain Crop Box" in Console/Options now does not create any errors.	PW-3838

Advanced Badging	In the Advanced Badging module, the users now can save a signature when the regional server is connected to the enterprise server by using the workaround described in the Enterprise Guide.	PW-3813
Advanced Badging	"Enrollment Reader" drop-down list now displays readers from all panels.	PW-3795
Alarm Monitor	The acknowledge menu/button is now disabled for already acknowledged events.	PW-3783
Advanced Badging	The Advanced Badging module now can reconnect with the server after PW Client connector to the server is restored.	PW-3779
Wireless Readers	When using a SALTO reader, the system now does not erroneously display a host grant in the event monitor screen when the door is closed. A Host grant works with PW6000 firmware Version 2.071 installed in the panel.	PW-3777
Clearance Codes	When the user adds a Temporary clearance code to a card, Pro-Watch now checks the permissible limit for PW5K/Star 2 panels.	PW-3776

Compliance Reports	The user now can open the Compliance Reporting module from PW/Desktop when patched forward from PW 3.81.0.8731.	PW-3759
Panels	The users now can change the port protocols (to add wireless readers, for example) of PW-6000 panels even when there are no subpanels connected to ports.	PW-3707
Licensing	Pro-Watch software keys licensing now supports Mercury Intrusion as a future feature.	PW-3693
Areas	Area triggers now work properly.	PW-3648
Compliance Reports	Compliance Reports now do not crash when a user drags and drops them into a folder.	PW-3628
Badging	Badge Print Preview now displays photo of the badge holder.	PW-3608
Login	The users can now change their passwords for Application Login without any errors.	PW-3605
Groups	The Monitor Point Groups (MPG) now are not limited to 13 monitorable input areas per PW-6000 panel.	PW-3556
Badging	Badging Administrator class users now can add a card to a badgeholder and add clearance code to a card.	PW-3540

Firmwave	The default firmware has changed for PW3K1IC panel.	PW-3539
Compliance Reports	The Query Tool in Compliance Reports/Web Reporting now does not allow the users to manipulate data in the PWNT database.	PW-3416
Compliance Reports	In patch installation, the user now can view the Release Notes from the Compliance Reports.	PW-3395
Compliance Reports	Scheduled Compliance Reports now are not sent multiple times.	PW-3336
Events	In the Event Manager, the Maximum Event Log Size is now working properly.	PW-3314
System	The users now get appropriate error messages when they try to perform a function incorrectly.	PW-3298
Images	In the BLOB Properties screen, the Path Edit Box now is editable and issues a warning if the path cannot be found.	PW-3297
Hardware	The unused and grayed-out action menu is now removed from the Hardware Configuration screen.	PW-3204
Compliance Reports	In Compliance Reports, the Report menu now does not disappear when the user selects a folder.	PW-3196
Badging	In Compliance Reports, the operator using the Badge Wizard can now add the key/assets field to a badge wizard report as well as the	PW-3190
	card number without any error messages.	
Advanced Badging	Advanced Badging module now does not generate any errors for badgeholders with Handkey images.	PW-3175
Compliance Reports	In Compliance Reports, the users now can schedule audit reports without any error messages.	PW-3143
Cards	Auditing data table is now updated successfully when the Void Card action is selected from the tool bar.	PW-3126
Cards	Deleting a card from a badgeholder who is still in the area now does not generate an orphan record in the Area database.	PW-3117
Logical Devices	Selecting the "View Last Action Note" option from a logical device's right-click pop-up menu now returns the correct action note.	PW-3105
Badging	In Classic Badging, the previously deleted clearance code now is not added back after the user 1) removes the clearance code and 2) changes the company from "No Access" to something else.	PW-2580
Events	The Print function in the Event Monitor screen now works properly.	PW-2481

Mercury	The Mercury Panel now handles a large number of transactions without a drop in performance.	PW-2467
Panels	PW6000IC and PW6101ICE panels now are not limited to 12 Clearance Codes per card. They support up to 32 Clearance Codes per card. NOTE: If there are any Mercury panels using intrusion, then this value cannot be changed from 12 to 32.	PW-1513
Login	At the Application Login, a non-administrative user now can change his/her password.	PW-1030
Video	A user can now set the RTN event on a Video channel.	PW-879
Badges	The users now can edit the User Defined Values on a User Defined Field through the Badge Builder Program.	PW-781
Cards	The users now are issued a warning/error message if they try to assign a 13th clearance code (per panel) to a card.	PW-129

Known Issues

Pro-Watch Component	Issue Description	Issue Number
Readers	If you are using Morpho Biometric Readers, you must copy the file "MorphoKit.dll" from distribution disk2/Device Drivers/Morpho to folder Program Files (x86)/ProWatch/AdvancedBadging on your Pro-Watch client.	PW-4734
ASSA ABLOY Aperio Readers	When using ASSA ABLOY Aperio locks, the "ProWatch LED Scheme" and "Reverse LEDs" options under Panel Properties cannot be enabled. The Aperio locks connected will no longer provide access; Pro-Watch event monitor will show the Local Grant card event, but the lock will not unlock. When this happens, the LED on the Aperio lock blinks a number of times indicating an error.	PW-4469

Intrusion Command Maps	<p>When a user is authorized to control targeted intrusion groups, that user will have the ability to control all groups on the IC if the group number is known. There is no ability to restrict access to specific targeted groups once that permission is given to the user.</p> <p>WORKAROUND SOLUTION: Do not allow users to control targeted groups and use one MRDT keypad per group."</p>	PW-4624
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Mercury Intrusion	Mercury Intrusion is reclassified as a “future feature” due to an issue with the faulted groups.	PW-4244
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Release 4.2 Web, Build 10399, HOT FIX

Release Availability Date: March 2015

Resolved Issue

Pro-Watch Component	Issue Description	Issue Number
Web	Web login now does not generate an error message.	PW-4506

Release 4.2 Web, Build 10399

Release Availability Date: February 2015

Resolved Issues

(Sorted alphabetically by Pro-Watch Component)

Pro-Watch Component	Issue Description	Issue Number
Advanced Badging	2D barcodes now print properly by using the Preview/Print function.	PW-4247
Cards	The "System All Time" time zone now works properly between 11:59 p.m. and 12:00 a.m..	PW-4299

Known Issue

Pro-Watch Component	Issue Description	Issue Number
Web Reporting	When running a badge holder transaction report, the "My Reports button" does not work. WORKAROUND SOLUTION: Press the Refresh button first.	PW-4383

Release 4.2 Web, Build 10379

Release Availability Date: December 2014

New Features

(Sorted alphabetically by Pro-Watch Component)

Pro-Watch Component	Issue Description	Issue Number
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Verification Viewer	The user can now configure the verification viewer for single or multiple windows.	PW-4201
Web Badging	This release of Pro-Watch includes a Web Badging module.	N/A
Web Reporting	This release of Pro-Watch includes a Web Reporting module.	N/A

Resolved Issues

(Sorted alphabetically by Pro-Watch Component)

Pro-Watch Component	Issue Description	Issue Number
Advanced Badging	Badge Label Interface Index Number is now working as expected.	PW-3902
Advanced Badging	When using Advance Badging in redundant environments, Advanced Badging now works normally while the system is running on a secondary server.	PW-3999
Advanced Badging	Searching for a badge resource field (like Company, Badge Type) now yields search results without any errors.	PW-4114
Cards	Clearance codes that are added to cards individually now are not inappropriately removed by Pro-Watch.	PW-4062
Classic Badging	The badge photo can be previewed with index number greater than 1 (one).	PW-3858
Classic Badging	Badge Label Interface Index Number now works as expected.	PW-3858
Compliance Reports	No SQL errors are generated now when "Logical Device Exception" is used while filtering the data.	PW-3930
Compliance Reports	The users can now schedule a report without any errors.	PW-4045

EV_LOG	The users now can preserve a permanent record of User Name and Workstation Name in the events table by running the stored procedure EV_LOG_INS_EXT in the SQL Server Management Studio. The detailed procedure is explained in PW 4.2 Web Installation Guide # 7-901073V5, Section 2.5.1.	PW-3972
EV_LOG	The EXT_EVLOG table now saves and preserves both the User Name and the Workstation name of the user.	PW-3667
Events	After adding a subpanel and triggering an event on a hardware point on the newly added subpanel, the panel now reports events correctly.	PW-3884
Panels	When the system downloads more than 100,000 active cards, no Panel Syntax or Command Syntax error messages are generated now.	PW-3256
Panels	When a 16Input board is added to a PW-6000 panel all the output points now display correctly.	PW-3868
Web Alarms	One can now print the "Recent History" list from the alarm module when using the Chrome browser.	PW-3889
Web Client	Web client can now display 24-Hour clock.	PW-2187

Known Issues

(Sorted by Pro-Watch Component)

Pro-Watch Component	Issue Description	Issue Number
Web Reports	Report name with special character (/ * "<>) takes the user to the login page, after clicking ExportReportSchema.	PW-4252
Web Reports	When exporting a report in MS Word format, the Landscape page orientation does not work and the report is exported in Portrait orientation. The "title" and "filter (definition)" options work in neither Landscape nor Portrait page orientation.	PW-4293
Workstations	The workstation that the Pro-Watch web service is installed on must be manually added to the list of user workstations. Users will not have access to the Pro-Watch web client until this is done.	PW-3753

Web Badging	When importing a photo for a badge, the image does not load if only the Select button is pressed. However, it loads successfully if the Preview button is pressed first, followed by the Select button.	PW-4382
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Reminder

Pro-Watch Component	Issue Description	Issue Number
Pro-Watch Client	All devices used as a Pro-Watch client must be added to the workstation list in Pro-Watch.	PW-4309

Release 4.2 HF, Build 10153

Release Availability Date: December 2014

Resolved Issues

Pro-Watch Component	Issue Description	Issue Number
Reports	The user now can schedule a report without any errors.	PW-4045
Clearance codes	Clearance codes that are added to cards individually are now removed appropriately by Pro-Watch.	PW-4062
Archives	Restoring archive now places correct values in binary ID fields.	PW-4067
Badging	2D Barcodes are now printing in Advanced Badging	PW-4247
Badging	The 'system all time' time zone is now working between 11:59pm to 12 am	PW-4299

Release 4.2, Build 10153

Release Availability Date: August 2014

Resolved Issues

Pro-Watch Component	Issue Description	Issue Number
Server	The Pro-Watch server no longer becomes unresponsive after about 25 minutes, and does not disconnect from the client.	PW-4004
Licensing	Pro-Watch now upgrades properly from any 4.x version to the latest one.	PW-3952

Known Issue

Pro-Watch Component	Issue Description	Issue Number
Compliance Reports	<p>The system may generate an error when scheduling a report. This happens when Pro-Watch is installed on a Windows 8.x or Windows Server 2012 operating system.</p> <p>WORKAROUND SOLUTION:</p> <ul style="list-style-type: none">(1) Go to your operating system's Control Panel and select Computer Management.(2) Select System Tools > Task Scheduler > Task Scheduler Library.(3) You will see scheduled tasks named "Optimize Start Menu Cache...". Delete these tasks and exit. Compliance Report Manager's report scheduler will now run correctly.	PW-4012

Release 4.2, Build 10103

Release Availability Date: July 2014

New Features

Pro-Watch Component	Issue Description	Issue Number
Advanced Badging	In Advanced Badging, invalid transactions are now displayed in red if the user selects this feature as an option.	PW-2723
Advanced Badging	Badge tabs are now larger.	PW-2729
Advanced Badging	Enrollment reader functionality is added to Advanced Badging.	PW-2985
Application Login	The users now can change their passwords at login. The users can also make sure their login never expires by selecting the "User ID Never Expires" check-box in the login dialog box.	PW-2461
Badging	When creating a new badgeholder record, all the existing partitions that are already assigned to the badgeholder are now automatically assigned to that new badge record.	PW-2153
Badging	The users now can download the cards as a single non-priority download.	PW-2386
Badging	Magocard Magnetic Stripe encoding is now supported.	PW-2500
Badging	In Badge Builder, the users can now set a default value for the profile and resource drop-down fields.	PW-2505
Badging	Badge Builder input field now supports masking values like Social Security Number or Telephone Number.	PW-2506
Badging	Users can now use a low-cost webcam to capture images in all badging modules.	PW-2694
Badging	Users can now select the badge fields that are displayed in the Badge Verification window.	PW-582
BLOB	"Biometric" is now supported as a new BLOB type.	PW-2501
Browser	Pro-Watch Web Client now supports the following Windows browsers: Internet Explorer 9 (IE9).	N/A

Channels	Pro-Watch channels can now use IPv6 addressing.	PW-2418
Compliance Reports	Users can now create an Operator Log report from Archived data using the Compliance Report manager.	PW-2906
Compliance Reports	"Badgeholder Access to a Logical Device" sample report is now available in Compliance Reports.	PW-2920
Compliance Reports	"Badgeholder in Clearance Code" sample report is now available in Compliance Reports.	PW-2921
Compliance Reports	"Card Status" sample report is now available in Compliance Reports.	PW-2922
Compliance Reports	"Logical Device Access by a Badge Holder" sample report is now available in Compliance Reports.	PW-2923
Compliance Reports	"Mustering" sample report with filters for area name and company is now available in Compliance Reports.	PW-2924
Compliance Reports	The reports available in Classic Reports are now also available in Compliance Reports.	PW-2926
Compliance Reports	Operator Log Report is now available in Compliance Reports.	PW-452
DTU	Realtime DTU now accepts characters with "umlaut" like üÜäÄöÖ.	PW-2903
Licensing	Pro-Watch Software Key License now works on a server with RAID 10.	PW-2808
Mercury M5 Bridge	Mercury's M5 Bridge (replacement for the CASI Micro5) is now supported.	N/A
OS	Pro-Watch now supports Windows 8.1 operating system.	N/A
OS	Pro-Watch now supports Windows Server 2012 R2.	N/A
PW Server	The users now can configure the number of log files.	PW-2503
SQL	SQL Server Version 2012 is now supported.	PW-1751
Wireless Readers	ASSA ABLOY Aperio, SALTO SALLIS and Schlage wireless readers are now supported.	N/A
Communications Optimization	By setting the registry default value for RestrictAPBDLPanel to 1 (instead of 0) the user can now avoid unnecessary downloads to Antipassback panels.	PW-3895

Communications Optimization	By setting the registry default value for MercuryUpdateTxnSerialNoFreq to 10 or higher (instead of 0) the user can now avoid unnecessary communications issues.	PW-3896
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Issues Resolved

Pro-Watch Component	Issue Description	Issue Number
Advanced Badging	Pro-Watch AB Login Dialog Box is now displayed properly without blocking the GUI.	PW-3102
Advanced Badging	Images display correctly when the user double-clicks on the thumbnail of an image.	PW-3106
Alarms	Procedure assigned to an instruction now executes properly when the user selects the check-box for the specific instruction in the Alarm monitor.	PW-1332
Alarms	When an input is masked at the Alarm Monitor, the Operator Log Report shows when and who masked the input in question.	PW-777
APB	Anti-Passback (APB) status update issues no longer cause false APB errors at sites with muptile areas and areas that span multiple panels.	PW-17
Application Login	Non-administrative users now can change their passwords at login.	PW-1030
Application Login	Password error at the login is now fixed.	PW-1340
Areas	Areas used as Tracking Areas or Muster Areas without antipassback now do not send in/out status updates on card transactions to the panels.	PW-1216
Badging	"Hand Geometry" badge field is added.	PW-1667
Badging	Deleting a badgeholder from mustering now forgives and resets anti-passback status on all panels.	PW-1911
Badging	In Badge Builder, the field label "Required" is changed to "Required to Save".	PW-2502

Badging	Badge Builder now supports the “required to Print” check-box.	PW-2504
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Badging	Name changes: "Brass Keys" is not called "Assets Page" and "Image Summary" is now called "E-Docs".	PW-3068
Badging	Deleting a card from a badgeholder who still is in an area now does not generate an orphan record in the AREA_OCCUPANT Table.	PW-3117
Cards	Muster Viewer now works properly.	PW-1212
Cards	Cards now expire properly on the day expected.	PW-2944

Cards	"Find Dependencies" now work properly for Timed or Temporary Clearance Code Assignment.	PW-656
Channels	Generic Channel now works properly.	PW-791
Clearance Codes	Clearance codes are no longer added by mistake to the cards when the user double-clicks the scroll bar in the badge window.	PW-2359
Clearance Codes	When adding a clearance code to a company that has cards assigned to it, the system now audits the addition of the new clearance codes to the cards that receive the new clearance code.	PW-2529
Clearance Codes	Batch modify now allows multiple Clearance Codes to be added to a single batch query.	PW-67
Compliance Reports	Users now can use the "Run Report" procedure to run reports created by the Compliance Report Manager.	PW-2465
Compliance Reports	Compliance reports splash screen now downloads quickly and does not degrade the launch performance.	PW-2975
Compliance Reports	Compliance reports now do not crash when shared with users that belong to classes with identical names except for the way they are capitalized.	PW-3065
Compliance Reports	The runtime filter in the Compliance Reports now works correctly.	PW-3111
Devices	The Device Information dialog box now displays the fields properly, without any overlaps.	PW-602

Events	Event (host) triggers now save when Consecutive time or Timeout have entries below 3.	PW-1290
Events	Pro-Watch event and audit log purge no longer skips events during the last minute of the day.	PW-2745
Galaxy	The Event Log that can be called from Pro-Watch on a Galaxy panel now shows all the up-to-date events.	PW-2380
Install	When the user tries to install a Pro-Watch patch on a machine without .NET 4, a message is now displayed warning that .NET 4 is missing and the installation is aborted.	PW-2666
Installation	The users now can complete an install of PW on an app server without creating a database.	PW-726
Installer	Pro-Watch installs correctly when the PWNT database is run on a separate server.	PW-2822
Licensing	Reader licenses are now counted properly.	PW-2151
Login	Removing the Shadow Login Permission now disables the Shadow	PW-1345
	User icon.	
Reports	Audit Log Reports are now available when adding or removing a program function within a Class or User.	PW-1237
Reports	Mustering Report now respects panel time zones.	PW-2686
Reports	Muster Reports now work properly – they display the correct number of Area Occupants in Database Configuration.	PW-639
Video	Pro-Watch now supports playback video option.	PW-2155
Web Client	Alarm Monitor now respects permissions created by class or user.	PW-2780

Known Issues

Pro-Watch Component	Issue Description	Issue Number
Compliance Reports	When the user patches up to PW 4.2, the sample reports do NOT get installed automatically. WORKAROUND SOLUTION: The users can run a SQL script (the stored procedure PWAP_Sample_reports) manually to install the sample reports.	PW-3892
Panels	Selecting a subpanel under the panel properties triggers a panel system configuration and sub-panel configuration download.	PW-3857
Ver. 3.7	Pro-Watch Version 3.7 is no longer supported.	PW-2981
Wireless Readers - SALTO	For SALTO locks, if the battery dies, after the lock comes back online, REX events are no longer reported to Pro-Watch. WORKAROUND SOLUTION: Once the lock is re-enabled using the handheld device, all buffered Rex events are reported.	PW-3859
Wireless Readers - SALTO	The Lock status for SALTO locks display as energized when the lock is not energized.	PW-3866
Wireless Readers - SALTO	In order to use SALTO wireless locks, users must download the latest PW6000 firmware version 2.065. It is possible to define SALTO wireless locks using earlier firmware versions, but such earlier versions will not include the latest Mercury firmware updates.	PW-3891

Pro-Watch® Release Notes

Release 4.1 SP3, Build 9905

Release Availability Date: April 2014

New Features

Pro-Watch Component	Issue Description	Issue Number
Advanced Badging	Pro-Watch now supports Advanced Badging localization. 800-082-1188_PW_4.5_HF_PW-13187_Release_Notes_July_31_2019 © Honeywell, Inc.	PW-3034 94 of 148

Cards	Pro-Watch now supports Morpho biometric iClass cards.	PW-3135
Compliance Reports	Pro-Watch now supports Compliance Reports localization.	PW-3033
Panels	The number of CASI-based Mercury M5 subpanels allowed has been increased from 16 to 64.	PW-3369

Issues Resolved

Pro-Watch Component	Issue Description	Issue Number
Advanced Badging	Batch Modify function in Advanced Badging now works properly when changing the Card Type.	PW-3022
Panels	The users now can select Port 4 (for MSP) and Port 6 (for SALTO) protocols when adding PW6K1R1E downstream subpanels without generating an error message.	PW-2968
Panels	The users now can add PW6K1R1E IO card to a PW6K panel without generating an error message.	PW-2960
Panels	The users now can add PW-5000 2-reader board to PW3000 panel without generating an error message.	PW-2959
Users	The number of users who are logged into Pro-Watch now does not exceed the limit imposed by the user license.	PW-2058

Known Issues

Pro-Watch Component	Issue Description	Issue Number
Card	When adding a clearance code to a card, Pro-Watch does not check against the number of clearance codes allowed for PW5K/Star-2 panels.	PW-3174

Database	When the database connection is restored, database errors are displayed when any hardware resource is used. The user needs to re-start the Pro-Watch shell to avoid these messages.	PW-2950
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Release 4.1 SP2 HF, Build 9684

Release Availability Date: December 2014

Resolved Issue

Pro-Watch Component	Issue Description	Issue Number
Alarm Monitor	Pro-Watch alarm monitor now does not crash when working with maps.	PW-4221

Release 4.1 SP2, Build 9684

Release Availability Date: February 2014

New Features

Pro-Watch Component	Issue Description	Issue Number
Advanced Badging	Badging module licensing has been modified to only check badge license count when capturing a photo, enrolling biometrics, capturing a signature, previewing a badge/card, printing a badge/card and when batch printing. A badging license will be released when closing a badge profile.	PW-2784
Advanced Badging	When editing a card and the card's expiration date is beyond the badge's expiration date, the following warning will display: "WARNING: Card Expire Date exceeds Badge Expire Date for card number [xxxx]. All cards will expire when badge expires." This is a warning and will not stop the badge and the card data from being saved.	PW-3049
Advanced Badging	The Bulk Badge screen has been modified to better reflect Advanced Badging and the Card Type functionality. Badge Type has been removed and Card Type has been added. The badge type will be assigned the value of the card type.	PW-3048
Maps	The camera icons on a map now reflect different camera-view angles.	PW-2901 PW-2756
Panels	Pro-Watch now supports CASI Micro 5 panel.	PW-2978
Two-Man Rule	Two-man rule can be activated to enforce a minimum of two persons needed to enter or exit an Area.	PW-696

Issues Resolved

Pro-Watch Component	Issue Description	Issue Number
Advanced Badging	When the "Bulk Badge Add" functionality is used to add badges and cards in bulk, the system assigns the correct expiration date.	PW-3048

Advanced Badging	When the “Display PIN Codes” functionality is revoked, the PIN codes cannot be viewed anymore in Badge Wizard and Transaction reports.	PW-3018
Compliance Reports	When the “Display PIN Codes” functionality is revoked, the PIN codes cannot be viewed anymore in Badge Wizard and Transaction reports.	PW-3018
Enterprise	Pro-Watch Enterprise Manager version number is now updated with Pro-Watch build.	PW-2880
Galaxy	Galaxy GD-96 Model Ethernet Module now provides data for the hardware connected to the second port.	PW-2865
GUI	Build numbers now display correctly in the client machine.	PW-2795
Panels	New panel firmware allows a door assigned to a badgeholder in the Logical Device tab of Pro-Watch Badging module to work properly for a PW-6101.	PW-2785
Panels	PW-6000 can be edited even if a wrong port type (MSP1, SNET, PIM) is selected for the subpanels.	PW-2928
Panels	When an input point is masked for a STAR II panel, the panel now does not receive any alarm messages.	PW-150
Verification Viewer	Verification Viewer is improved for a better user experience.	PW-2535

Known Issues

Pro-Watch Component	Issue Description	Issue Number
Events	VMS Server and NVR offline events are not reported in Pro-Watch Alarm Monitor.	PW-3161
Events	If Network cameras are connecting or disconnecting in NVR, the event will not be reported in Pro-Watch alarm monitor.	PW-3162
Reader	System download needs to be performed in order for the ProWatch to report SALTO events.	PW-3151

Release 4.1 SP1, Build 9513, HF (Triggers & Procedures)

Release Availability Date: November 2013

Issue Resolved

Pro-Watch Component	Issue Description	Issue Number
Triggers & Procedure	Triggers and Procedure now download properly.	PW-2973

Release 4.1 SP1, Build 9513

Release Availability Date: August 2013

New Features

Pro-Watch Component	New Feature Description	Issue Number
Badging	"Word Wrap" function is added to Badge Design.	PW-2478
Duress Signal	Pro-Watch can now generate a duress signal based on the PIN code. New firmware is required to use this function. See new firmware installation instructions on distribution media.	PW-2542 PW-2801
Panels	Added support for LNL-500/LNL-1000 panels.	N/A
Reports	Compliance Reports module can call video up from events in a report.	PW-2476
Video	The options for video call-ups are available when VMS video is linked to a non-alarm event.	PW-2477

Issues Resolved

Pro-Watch Component	Issue Description	Issue Number
Alarms	"Clear Alarm Event" procedure is now working.	PW-2642
Alarms	Ack/Ack All (Acknowledge/Acknowledge All) and Clear/Clear All functions now work properly in the Alarm Monitor when the user right-clicks a map icon.	PW-2825
Badging	If the "Add Card" function is revoked, the "Multiple New Badge" menu is now disabled so that the user cannot create new cards.	PW-2658
Badging	In the Advanced Badging module, the user can now print the actual company name instead of the place-holder field name "{COMPANY_NAM}".	PW-2637
Badging	In Pro-Watch Enterprise, the cards now will not be auto disabled in the regions that have never been visited by the badge holder.	PW-1554
Badging	The cards in different time zones now do not expire before their	PW-1504

	expiry date due to the difference between time zones.	
Database	The splash screen in the Database Configuration module now gets updated when PW 3.81 is patched up to PW 4.1.	PW-2627
DTU	When the user creates a "Fixed Import DTU", the default values now load properly for the last field.	PW-2590
Events	ACK (acknowledge) procedure associated with an event now gets executed properly.	PW-2463
Mustering	Fixed the issue that could crash Pro-Watch in the Mustering application.	PW-2464
PW-2000	Card download function for PW-2000 is now working properly when the panel is using the OH option.	PW-2657
PW-6000	The users now can download the new firmware for PW6K1ICE and PW6K1R1e panels.	PW-2582
PW-6000	Includes updated firmware for PW-6101 controller and Reader boards. (PW6K1ICE - ep1501_1_17_3_0351.crc and PW6K1R1E - MR51e_appl_1_4_8.aax)	PW-2579
Readers	Fixed the Addressing issue with AD-400 Wireless Readers.	PW-2528
Routing Groups	The users that have a custom routing group other than "System All Events" can now acknowledge alarms in the Alarm Monitor.	PW-2832
Video	Pro-Watch will now receive Video Analytics events properly from a MaxPRO camera.	PW-2439
Video	In the Alarm Monitor, the right-click video actions of a video event (Show Surround Cameras, Show Pre-Post Alarm, Next Salve, etc.) now do work properly.	PW-1327
Video	The SALVO NO. (NUMBER) and PANEL NO. (NUMBER) columns are now displayed in their correct positions on the "Video Devices" tab of the "Logical Devices" screen.	PW-1096
Vista	The Pro-Watch 266/267 commands sent to the Vista panel are removed from the HI_QUEUE table on panel uploads and downloads.	PW-1088
Web Client	On Pro-Watch patch installations, the user now has the option to install the web component or to cancel it.	PW-2673
Web Client	Corrected the issue with applying Routing Group Filtering in Web based Alarm Monitor.	PW-2670

Web Client	In the “Arrange Columns” window, the Down button now is not disabled after moving a field to the bottom.	PW-2602
Web Client	Clicking the “Back to Historical Trace” button now does not create an error message.	PW-2599
Web Client	Misspellings of various GUI labels have been corrected including “Resource ID”, “Hardware Point”, “User ID”, and “Pro-Watch Server Name”.	PW-2586
Web Client	On “Historical Trace” window, the “Previous” button now works.	PW-2486

Known Issues

Pro-Watch Component	Issue Description	Issue Number
Enterprise Server	The Distribution log displays as failed for a Regional Server. WORKAROUND SOLUTION: Remove “-UseInprocLoader:” flag from the parameters of the merge distribution agent.	PW-1039
Panels	When using Mercury Standard Protocol on a LNL-500, Elevator Control and Encryption is not supported. As a result of this, full panel downloads will result in syntax errors related to these functions. With these exceptions the controller works as expected.	PW-2806
Video	In the Alarm Monitor module, the “Toggle Full Screen” right-click video action of a video event does not work.	PW-2836

Release 4.1, Build 9411

Release Availability Date: May 2013

New Features

Product Component	New Feature Description	Issue Number
Advanced Badging	The Advanced Badging module was updated to Version 1.15 (see the separate Advanced Badging Release Notes Doc # 80014175V1 for details).	N/A

Alarm Monitor	The "Secure" command label is changed to "Mark/Secure" for the Mask/Unmask function. The users can now use the Timed Mask function on an Input.	PW-1735
Badging	The ability to restrict adding, deleting or modifying card records of existing badgeholders.	PW-453
Badging	The "Export Image" option enables the user to right-click on a badge photo to export it.	PW-406
Compliance Reports	The Compliance Reports module was updated to Version 2.4 (see the separate Compliance Reports Release Notes Doc # 800-09726V2 for details).	N/A
Extended Stored Procedures	The following Extended Store Procedures are replaced by their specified Pro-Watch stored procedure equivalents: xp_mic_hp is replaced with mic_hp xp_mic_genevent is replaced with mic_genevent NOTE: The calling sequences are the same.	N/A
Galaxy	The users now can disable Galaxy panel Date/Time updates as an option.	PW-786
Panels	Mercury Standard Protocol is supported on PW-6000, PW-5000, PW-3000, and PW-6101 equivalent panels.	N/A
Web Client	Alarm Monitor now supports the following new features: Hardware control actions Rollup Details for alarms View Event History for alarms Recent History for alarms Printing Event History and Recent History for alarms Unacknowledging Alarms from Acknowledge Alarm Pane Rollup Count information in both the Unacknowledged and	N/A
	Acknowledged Alarm Pane Communication through HTTPS Rearranging column widths of Event Monitor Grid for each Alarm Information Field Changing column position for each Alarm Information Field Configuring Routing Group Information Card Holder Picture for any alarm	

Web Client	Event Monitor now supports the following new features: Rearranging Column Widths of Event Monitor Grid for each Event Information Field Changing column position for each Event Information Field Filter events by message type and User ID Communication through HTTPS	N/A
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Issues Resolved

Pro-Watch Component	Issue Description	Issue Number
Alarm Monitor	The “Ack/Ack All” and “Clear/Clear All” right-click menu options for a Map Icon are disabled.	PW-1446
Alarm Monitor	The users can now revoke the Secure permission for masking in the alarm monitor.	PW-1063
Alarm Monitor	The Alarm Monitor does not crash on Live Trace.	PW-647
Alarms	The “ACK/Clear” procedure assigned to an alarm event now executes properly when the user uses instructions and dispositions to handle an alarm.	PW-1333
Alarms	Alarms from a Generic Channel come into the Alarm Monitor live without any problems.	PW-121
Archives	Archival purging does not crash the Pro-Watch server.	PW-1016
Badging	After a card is deleted, the users now cannot gain access by using the deleted card.	PW-1917
Badging	When creating a badge, the image summary tab is now populated correctly, displaying the user’s image.	PW-1912
Badging	The users can now delete badge fields from Pro-Watch database.	PW-1820
Badging	The users can now add Quick Search fields to Badge Profiles by copying and pasting.	PW-825
Badging	The users now can add a new clearance code to an existing card, and then expand the clearance code without scrambling up the logical devices.	PW-708
DTU	PW now accepts card numbers with a leading zero as a separate card number. PW now also accepts multiple Data-Time formats.	PW-2161
Event Monitor	In the Download/Upload Messages screen, the users now can set the Default Interval Seconds to 5 seconds.	PW-649
Events	Rollover Events are now reported on time on rollover stations.	PW-622
Galaxy	Groups now get armed correctly.	PW-1990

Galaxy	The Virtual Keypad does not crash.	PW-1508
Galaxy	The user now can arm the Galaxy group and then toggle RIO	PW-1262

	zones successfully.	
Galaxy	When a Galaxy zone is masked, its last event status is preserved so that it can be reported when the zone is unmasked.	PW-1254
Galaxy	The erroneous warning messages issued by a Galaxy channel have been eliminated.	PW-1094
License	Licenses now do expire on the right date and time.	PW-646
Logical Devices	The default Entry/Exit Reader Door hardware template is fixed to allow for all Door Position Switch events.	PW-771
PW-6000	The users now can connect only a maximum of 8 PIMs to a single 485 port on a PW-6000 panel.	PW-1994
PW6K1ICE	When an encrypted PW6K1ICE panel is taken offline and then brought back online, the green Return event is displayed.	PW-1276
PW6K1ICE	The users are now allowed to add only 17 readers (ACRs) to the PW6K1ICE panel, and not 34 as was the case before.	PW-1634
PW6K1R1E	The users are not allowed to add more than 15 (fifteen) PW6K1R1E downstream panels.	PW-1516
Readers	Wireless Reader: Time Override and Momentary Unlock do not apply. They are grayed out.	PW-2322
Remote Comm Server	The users now can download the Tracking/Retry cards to panels on the remote servers.	PW-1019
Report	The user now can schedule a custom designed report.	PW-559
Routing Groups	A “user-created routing group” for a generic channel will report alarm events without any problems.	PW-1506
Shadow User	Pro-Watch now records the login or logout activities of Shadow Users.	PW-316
System Options	Micserver now does not crash when the system options “Download Tracking” and “Card Verification and Download” are enabled.	PW-1238

System Options	Pro-Watch server (micserver) does not crash when logging Mercury card download database is enabled.	PW-1282
Time Zones	PW time zone definitions now agree with MS Windows time zone definitions.	PW-2162
Users/Class	When selected, the "All" check-box selects all Device Status Filtering options under the User/Class menu.	PW-373
VISTA	When the user applies a software mask or unmask, the Vista point displays the correct visible status. The zone status is successful updated on unmask.	PW-305
Vista panel	Vista partition transaction event history is now properly displayed in English.	PW-2125
Web client	The web client can now perform such hardware actions as lock, unlock, mask, unmask, and timed mask.	PW-2052
Wireless Reader	When a door is opened by using a key, Pro-Watch reports a "Key Override" event, as it should.	PW-2002
Wireless Reader	When the Pro-Watch sends a lock or unlock command to a reader with the Wake on Radio (WoR) feature enabled, the reader receives the command within the WoR time period specified by the user.	PW-2001
Wireless Readers	When a wireless reader experiences an "RF failure" (i.e., when the batteries die), the panel now issues a "Wireless Reader R/F loss" alert.	PW-2003

Known Issues

Pro-Watch Component	Issue Description	Issue Number
Badging	In Classic Badging, image export to PNG and TIF formats fail.	PW-2539
Cards	In a Pro-Watch Enterprise environment, the cards expire before the end of the day in certain regions.	PW-1504
Cards	In a Pro-Watch Enterprise environment, the cards are disabled automatically in a region where they are not in use.	PW-1554
Galaxy	"Mask tamper alarm" functionality fails. When the panel is tampered, the panel starts beeping even though "mask tamper alarm" option is selected.	PW-1800

Galaxy	DCM Tamper events are seen in Galaxy event viewer but not in the Pro-Watch event viewer.	PW-1233
Web client	IE9 browser support for Web Client is limited. WORKAROUND solution: set the IE9 browser mode to IE8, and set the DOC mode to IE8 standards.	PW-2053
Web client	The Web Client does not implement the Ack/Clear functionality for an input point. If an extended stored procedure is assigned to an event, acknowledging/clearing the event in the web client will not run the event procedures.	PW-2663
Web client	When the user clicks the "Apply" button without selecting anything in the Routing Group Filter window, all events disappear from the alarm monitor page.	PW-2660

Release 4.0, Build 9056

Release Availability Date: September 2012

New Features

Product Component	New Feature Description	Issue Number
Alarm Monitor	Web-based Alarm Monitoring: Added capability to monitor alarms via a web-based interface similar to the basic functionalities of the current client-based alarm monitoring tool.	N/A
Badging	Advanced Badging: The Advanced Badging module is now the default badging tool. On new installs, it is installed automatically and on upgrades/patches, the existing badging tool selection does not change. NOTE: Advanced Badging will be installed automatically on the full install and patch to 4.0. However, if it is a patch, Classic Badging will still be used as the default badging application until user changes the appropriate registry settings	N/A
Events Monitor	Web-based Event Monitoring: Added capability to monitor events via a web-based interface similar to the basic functionalities of the current client-based event monitoring tool.	N/A
Hardware	Wireless Readers: Added support for the Ingersoll Rand PIM 400 wireless readers via the PW-6000.	PW-1303
Licensing	The system now displays the maximum number of licenses available for regular and wireless readers.	PW-1219
	The dongle is eliminated and replaced with Software Key License.	PW-1296
	Now a user can create a one-time-only 30-day default demo license.	N/A
Reporting	The Compliance Reports module is now the default reporting tool. On new installs, it is installed automatically and on upgrades/patches, the existing reporting tool selection does not change. NOTE: Compliance Reporting will be installed automatically on the full install and patch to 4.0. However, if it is a patch, Classic Reporting will still be used as the default reporting application until user changes the appropriate registry settings.	N/A

User Interface	The visual appearance of the home page and icons has been enhanced.	N/A
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Issues Resolved

Pro-Watch Component	Issue Description	Issue Number
Badging	Corrected the issue which could result in improper access when using Advanced Badging.	PW-1917
	Badges can now be modified in batches.	PW-78
DTU	The issue with DTU export functionality is fixed.	PW-1481
	DTU SQL import profile, Filter Tab, Comparison drop down list did not list the "is not NULL" option. Now it does.	PW-1236
Event Configuration	The error that occurred when one entered 3 or less for "Consecutive Time" field is fixed.	PW-1290
Licensing	The users now use local time when generating demo licenses.	PW-1696
	Corrected the issue which caused Pro-Watch licensing to revert to only 16 readers.	PW-1913
	MaxPro VMS and Pro-Watch licensing no longer conflict.	PW-1868
Panels	Corrected the issue which prevented communication breaks on PW-2000 from reporting correctly.	PW-1057
	GALAXY Mask/Unmask issue is resolved.	PW-1273

Known Issues

Pro-Watch Component	Issue Description	Issue Number
Alarm Monitor	When the user selects the "Open Badge" command inside the Alarm Monitor, the system launches the Advanced Badging module no matter which badging module is installed on the system.	PW-188

Badging	Advanced Badging currently does not support previewing or printing signatures on badges. Workaround solution: use Classic Badging.	PW-2056
Badging	In Advanced Badging, unable to set Temporary Access for revoked logical device. WORKAROUND: Use the Classic Badging module.	PW-2588
Installation	If you are running an operating system other than Microsoft Windows 7 or Microsoft Windows Server 2008, you will need to manually install Microsoft IIS before you install Pro-Watch.	N/A
OS	Pro-Watch no longer supports the operating systems Microsoft Windows XP and Windows Server 2003.	N/A
Web Client	When the user acknowledges an alarm that is rolled up on PW Alarm monitor, all the individual alarm events on the web client will be acknowledged. This could make a noticeable change on the Web Alarm window.	PW-2012
Wireless Lock	On wireless locks, it can take up to 10 minutes for card access changes to take effect.	PW-2001
Wireless Reader	The number of PIMs connected to a 485 port must not exceed eight (8). This limitation will be enforced in an upcoming release of the product.	PW-1994 PW-2006

Release 3.81 SP6, Build 8845

Release Availability Date: August 2014

Issue Resolved

Pro-Watch Component	Issue Description	Issue Number
Star 2 Panel	Door-held event return to normal is now processed/received by Pro-Watch.	PW-3205

Release 3.81 SP5, Build 8841

Release Availability Date: February 2014

Issues Resolved

Pro-Watch Component	Issue Description	Issue Number
Panels	Star 2 panels now do not receive alarm events when the Monitorable Input Points (MIP) are masked.	PW-150
Panels	The users now can assign Holidays beyond 2014 to CHIP panel.	PW-2534

Release 3.81 SP4, Build 8834 (Russian)

Release Availability Date: July 2013

Issues Resolved

Product Component	Issue Description	Issue Number
Badging	Pro-Watch now successfully saves changes made to the card properties fields. Specifically, if clearance code information is deleted from card properties, the system saves that change successfully.	PW - 2743
Display	Cyrillic character 'Я' is displayed properly.	PW - 1740
Enterprise	The users can now use Pro-Watch Enterprise with Russian OS.	PW - 2114
Events	Event Type/Extended Instruction when assigned as HTML file now does display Cyrillic characters.	PW - 2101

Events	Event response is displayed properly when added in Cyrillic characters.	PW - 2100
Galaxy	All Cyrillic characters are displayed properly in Galaxy Virtual Keypad (LCD screen).	PW - 1741
Galaxy	The users can now program event priority for Galaxy panels.	PW - 1315
Search	The users now can search for Cyrillic names in 'Void' dialog box.	PW - 2089
Video	MaxPRO VMS is now sending proper Video Analytics information from cameras.	PW - 2439

Known Issues

Pro-Watch Component	Issue Description	Issue Number
Badging	Temporary Access feature does not work properly with logical devices. Access is revoked, but the delay may be as long as 2 minutes.	PW - 2680
Login	The users cannot login normally or as a Shadow User when they use Russian names (with Cyrillic characters) as part of their last name. Only English names are supported	PW - 2099
System	Program functions do not display properly in the User properties in localized version.	PW - 1242

Release 3.81 SP3, Build 8815

Release Availability Date: May 2013

New Feature

Pro-Watch Component	New Feature Description	Issue Number
Badging	Card PIN authentication rules are now established.	PW-2543

Issue Resolved

Pro-Watch Component	Issue Description	Issue Number
Badging	Improved the response time of communicating anti-passback (APB) information to other panels in an area.	PW-2333
Enterprise	"Other Server Options" localized (Russian).	PW-2114
Galaxy	Up to 250 Galaxy panels can now be installed.	PW-2448
PW-6000	Buffered PW-6000 transactions are now received properly after serve restart, on Russian localization.	PW-1729
PW-6000	In encrypted communication mode, when the PW-6000 panel returns from offline to the online mode, its online status is verified correctly by its icon turning green.	PW-1276
Server	Server Manager Wizard now works properly on Russian localization.	PW-1796
Star II	Pro-Watch correctly updates all Star II panels with anti-passback (APB).	PW-1014
System	Pro-Watch service no longer crashes.	PW-2316
System	Server no longer crashes when Pro-Watch license information screen is closed.	PW-1558

Release 3.81, Build 3.81.0.8798 (Maintenance Patch)

Release Availability Date: January 9, 2013

Issues Resolved

Pro-Watch Component	Issue Description	Issue Number
Logical Device	The user can set the door lock strike time to 255 seconds.	PW-2057
Alarm Monitor & Event Monitor	Alarm and event monitors now do receive alarms and events from remote regions.	PW-2124
Galaxy	The users can now load Galaxy configuration regardless of size without any problems.	PW-1350
DTU	DTU now accepts card numbers with leading 0 (zero). It accepts multiple data-time formats including MM/DD/YYYY and DD/MM/YYYY.	PW-2161
Database	The users can now delete the Badge field from the database.	PW-1820
Licensing	Pro-Watch license is recognized in Russian.	PW-1797
Badging	Auditing works when badges are added to the system through the Bulk Add feature.	PW-300

Known Issues

Pro-Watch Component	Issue Description	Issue Number
Galaxy	"Bypass by Type" setting omits all zones in logical device.	PW-2303
DTU	DTU export does not work correctly.	PW-2297

Release 3.81, Build 8794 HF (QP-JBK-Halul)

Release Availability Date: October 2013

Issues Resolved

Pro-Watch Component	Issue Description	Issue Number
Video	Videos requested via PW Report link are displayed properly on the Pro-Watch Client workstations.	PW-2791
Video	The correct videos are fetched properly when a search is made with the "mm/dd/yyyy" date string.	PW-2792

Known Issue

Pro-Watch Component	Issue Description	Issue Number
Database	When editing a logical device with 21 CFR auditing enabled, the database generates an error.	PW-2953

Release 3.81, Build 3.81.0.8794 (Debug Log Patch)

New Feature

Pro-Watch Component	New Feature Description	Issue Number
Diagnostics	Additional debugger tests have been added.	N/A

Issue Resolved

Pro-Watch Component	Issue Description	Issue Number
Badging	A single quotation mark (') in card number will now generate an error message.	PW-2158

Pro-Watch 3.81.0.8794 HF (DTU)

Release Availability Date: January 24, 2013

Issue Resolved

Pro-Watch Component	Issue Description	Issue Number
DTU	DTU (Data Transfer Utility) now transfers leading-zero in card numbers as well as multiple date-time formats.	PW-2161

Release 3.81 SP2, Build 8793

Issues Resolved

Pro-Watch Component	Issue Description	Issue Number
Alarms	Command queue no longer impacts system operations.	PW-2081
	System now shuts down properly when the alarm monitor is shut down.	PW-2120
Badging	The user can issue clearance codes to cards without any delay.	PW-2059
CardKey	CardKey D600AP panels work properly when switching to a secondary channel.	PW-2061
GALAXY	GALAXY Masking and Unmasking procedures work as expected.	PW-2080
	GALAXY Group D8 (#32) status is displayed properly.	PW-2078
	GALAXY group status displays correctly after a reboot or service restart.	PW-2064
	GALAXY can now send the correct group commands to the server.	PW-2063
License	PW clients connect to the server without any problems.	PW-2079
MAXPRO	Maxpro VMS Channel come online automatically during MVMS failover.	PW-1832

Known Issues

Product Component	Issue Description	Issue Number
GALAXY	Some control options from alarm monitor or from Map may not function properly.	PW-2083
	'Mask/Unmask of zone' may not function properly.	PW-2084

Release 3.81 SP1, Build 8791 (PDF-417) New Feature

Product Component	New Feature Description	Issue Number
Badging PW	A PDF-417 license is utilized during Print and Print Preview and then released when the operation is complete.	PW-1314

Pro-Watch 3.81, Build 3.81.0.8589 Hot Fix (APB)

Release Availability Date: January 17, 2013

Issues Resolved

Pro-Watch Component	Issue Description	Issue Number
Even Monitor	Improved the response time of communicating anti-passback (APB) information to other panels in an area.	PW-2333
Even Monitor	In encrypted communication mode, the RTN status message is now displayed in the Event Viewer when the panel comes back online.	PW-1276
Server	Fixed a server crash related to client connection.	PW-2316
APB	ProWatch with Star II panels and global anti-passback (APB) now properly updates the panels in question.	PW-1014

Release 3.81 SP1, Build 8778 (PW-1977 SOFTKEY HOT FIX) Issues Resolved

Pro-Watch Component	Issue Description	Issue Number
License	Login from a remote client after a server reboot is now available.	PW-1977

	Corrected license from reverting back to 16 readers.	PW-1790
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Release 3.81 SP1, Build 8778 (SOFTKEY HOT FIX)
Issue Resolved

Product Component	Issue Description	Issue Number
License	Corrected license from reverting back to 16 readers.	PW-1790

Release 3.81 SP1, Build 8778 (MAXPRO® VMS Patch)
Issue Resolved

Product Component	Issue Description	Issue Number
MAXPRO® VMS	Corrected Pro-Watch® integration issues with MAXPRO® VMS.	N/A

Pro-Watch 3.81.0.8731 HF (Stentofon Door)

Release Availability Date: January 24, 2013

New Feature

Pro-Watch Component	New Feature Description	Issue Number
Intercom	Added capability to unlock a door using a Stentofon intercom.	PW-2340

Release 3.81 SP1, Build 8731

Please note that Panel communications to PW-6000s in Pro-Watch Build 8731 requires the panels to be updated to firmware Version 2.054. This firmware can be found on the Installation media. The PW-6000 ICs should be updated prior to upgrading Pro-Watch.

New Features

Product Component	Feature Description
Server Options	Privilege Management enables a Pro-Watch unrestricted user to designate "restricted users." A restricted user is one who can create other users who can have only the privileges that are less than or equal to those of the restricted user. These privileges include user program access and partitions. If the new user created by the unrestricted user is a member of a class (such as the root class) that would normally afford the user more privileges than the restricted user has, these additional privileges are automatically revoked from the new user. That is, the new user retains only the privileges that the restricted user owns. A restricted user cannot modify his or her own privileges.

Known Issues/Notes

Pro-Watch Component	Issue Number	Issue Description
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Installation	PW-9	<p>The Pro-Watch Service may not start automatically after Pro-Watch is installed. The workaround is either to 1) start the service manually in Control Panel > Administrative Tools > Services, or 2) configure the service to start automatically by following the instructions in the Pro-Watch Software Suite Installation Guide (7-901073-D), pages 26-29.</p>
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Pro-Watch/MAXPRO VMS Integration	<p>When a MAXPRO VMS channel is established, and: Pro-Watch Alarm Monitor is closed, MicAlarm crashes, Pro-Watch application is closed, MicShell crashes.</p> <p>When this occurs, however, there is no impact on MAXPRO VMS or Pro-Watch.</p>
	<p>When a user is edited in Pro-Watch, joystick controllers are deleted from the user's association in the MAXPRO VMS Viewer. Workaround: Re-associate the joystick controllers from the VMS Viewer after user details are edited in Pro-Watch.</p>

Release 3.81, Build 3.81.0.8589 (Shell HOT FIX)

New Feature

Pro-Watch Component	Issue Description	Issue Number
Diagnostics	Additional debugger tests have been added.	N/A

Issues Resolved

Pro-Watch Component	Issue Description	Issue Number
Barcode	<p>The results of the crash dump analysis have been confirmed: the process crashes around PDF417 2D barcode libraries.</p> <p>As a solution we have:</p> <ol style="list-style-type: none"> Implemented a memory fix and optimizations around this area. Implemented safe string functions suggested by Microsoft around few identifiers including workstation name. 	N/A
MS Library	MS library incompatibility -- Pro-Watch will be recompiled and new binaries built with a single version of the MS libraries. The build number will not change and this will only impact the server.	N/A

Release 3.81, Build 8589 (STENTOFON PATCH)

New Feature

Pro-Watch Component	Issue Description	Issue Number
Intercom	Add Support for the Stentofon Alpha Comm XE 7.	

		PW-1482
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Release 3.81, Build 8589 (LICENSE HOT FIX)

Issues Resolved

Pro-Watch Component	Issue Description	Issue Number
Encryption	When encryption is enabled on a PW-6000 panel, card read now displays in the Event viewer.	PW-1268
License	Corrected license from reverting back to 16 readers.	PW-1790

Release 3.81, Build 8589

New Features

Product Component	Feature Description
Controllers	Pro-Watch now supports the PW6K101 Series Controllers.
Pro-Watch Licensing	Pro-Watch now supports software based licensing.
SQL Server Express	SQL Server Express 2008 tools are included in the Pro-Watch 3.81 Professional Edition installation.
Operator Actions Display	Operator actions can now be viewed in the Logical Device Transactions tab.

Hardware Configuration	Added support for Vista BPT.
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Virtualization	Pro-Watch now supports VMWare and Microsoft Hyper-V.
HSDK	The Honeywell Software Development Kit (HSDK) is fully supported by this release.
SNET Readers	The Pro-Watch PW-6000 panel now supports SNET communication with readers.
Open Supervised Device Protocol (OSDP)	The Pro-Watch PW-6000 and PW-6K1ICE panels now support Open Supervised Device Protocol (OSDP) communication with readers.

Issues Resolved

Pro-Watch Component	Issue Number	Issue Description
Administration	PW-114	Corrected error on DTU export profile (TT 8719).
	PW-189	Corrected error on DTU import/export (TT 8776).
	PW-263	Corrected syntax error on Workstation Report (TT 8685).
	PW-341	After editing a Data Transfer Utility (DTU) profile, the Profile options are now "grayed-out" to indicate that they are not available.
	PW-547	A GD-48/GD-96 panel is defined as offline when no data is received from the panel for a defined length of time.
	PW-575	When using the Data Transfer Utility (DTU), the photo file names include the prefix and postfix.
	PW-599	Cards to which the All Access built-in clearance code has been assigned now get updated properly when new readers are added to the system.

	PW-713	The export transaction date and time in the Data Transfer Utility (DTU) now update properly.
	PW-714	Corrected issue which could prevent proper Data Transfer Utility (DTU) updates.
	PW-758	You can now sort the time zones by the first letter of the time zone so that you need to hit just the first letter of a zone to display it.
	PW-792	You can now remove a regular clearance code when a timed clearance code for the same card is also active.
	PW-836	When you add a clearance code to or remove a clearance code from a card, the Data Transfer Utility (DTU) now downloads the card to the panels.

Issues Resolved

(continued)

Alarm Monitor	PW-492	Added the capability to connect to all regions (in addition to the local region) and disconnect from all regions. New buttons on the Alarm Monitor toolbar are provided for each operation.
	PW-444	Added zoom capability to Maps in the Alarm Monitor.
	PW-53	Selected acknowledged alarms now remain highlighted, even after new alarms are moved into the acknowledged window from the unacknowledged window.
	PW-434	Users can no longer use the shift highlight all function to clear all alarms when the Clearall user function has been revoked.
	PW-449	The Alarm Monitor now displays the Forced and Held Open states of a Logical Device door with a new icon to distinguish these states from others.
	PW-550	You can now connect to another region's Alarm Monitor from your Alarm Monitor page.
	PW-652	The CCTV command menu is available in the Alarm Monitor.
	PW-797	Fixed issue which caused a crash within the Alarm Monitor when opening new maps.
	PW-839	Corrected issue which prevented alarms from displaying on map pages without a manual refresh.
Badging	PW-20	You can now use the Copy and Paste functions when you create a new Badge Type with the Front Layout Blob type selected and the Back Layout Blob Type not selected.
	PW-29	The Image Summary screen now displays all relevant records.

Issues Resolved

	PW-175	The "Is Empty" search locates any nulls or fields with only empty spaces.
	PW-277	Pressing Cancel after defining the Card Company now properly retreats from the Company selection operation

(continued)

Badging/Reports	PW-531	Searches using the same criteria in both Pro-Watch Badging and Pro-Watch Reports now yield the same results.
	PW-751	You can now display names of more than 60 characters in the Badge Detail Report image section.
Card Formats	PW-46	LTA: Pro-Watch now fully supports 64-bit cards on the PW-5000 and PW-6000 panels.
Database Configuration	PW-505	Copying and pasting Classes in Pro-Watch now copies and pastes complete Class data, including Badge Profiles, Event Columns, and Event toolbars.
Logical Device Configuration	PW-708	To display logical devices in the correct order after adding a new clearance code and expanding it, save the card, exit, then re-open the card.
	PW-712	When you reassign company/clearance codes, you get a prompt to remove Logical Devices.
	PW-811	To delete a command under the Video Device tab, first select the command and then click Delete.

Issues Resolved

	PW-812	When you reopen a Logical Device after adding video commands in the Logical Device configuration, the commands are sorted alphabetically on the video command list under the Video Devices tab in the Logical Device Property dialog box. The commands themselves are carried out in the order they are originally inserted.
Pro-Watch Enterprise	PW-551	To back up a database with a time schedule, use the database server name associated with the instance (the regional database) when defining scheduled tasks.
	PW-853	You can now switch to one of the regions on the drop-down list of machines when the database of the regional server is on one machine and the ProWatch application is on another.

(continued)

Hardware Configuration	PW-1	Once an intrusion device is added to a Hardware Template, users cannot add another device.
	PW-50	Hardware Template instruction sets are now being displayed properly in the Alarm Monitor.
	PW-82	When Star 1 and 2 panels are connected on a network and the network connection fails, the panels now automatically re-connect when the network is restored.
	PW-168	LTA: When channels and panels are added to a status group, they can now be opened within that status group without generating database syntax errors.
	PW-210	When you disconnect a Vista panel, the Vista channel and panel continue to show offline events.
	PW-267	Vista Panel: When the database connection is reset, all unused connections are now being cleaned up.

Issues Resolved

	PW-268	Vista Panel: Alternating Current (AC) loss message now displays correctly.
	PW-778	Pro-Watch Event Procedures: Galaxy panel now selectable if command "Arm Vista Partition/Galaxy Group" is selected.
Reports	PW-31	Batch Modified badge records now correctly audited.
	PW-299	"Company" now displays correctly after running Audit Log report.
Shadow Logon	PW-339	All Pro-Watch viewers now display correctly.

Known Issues/Notes

Pro-Watch Component	Issue Number	Issue Description
Installation	PW-903	When installing an update of Pro-Watch on a client PC, entering an ID and password when prompted will install the Pro-Watch Bridge service. If you are not using HSDK (Honeywell Software Development Kit), you should click Cancel when prompted for an ID and password to avoid installing the Pro-Watch Bridge service.
SNET		<p>PW-6000 SNET integration is supported with the following firmware:</p> <p>PW-6000 IC firmware: pw6k_2_5_4_0279.crc PW-6000 Two-Reader board firmware: pw6k1r2_appl_1_5_8.aax</p> <p>Both firmware versions are provided on the Pro-Watch installation DVD.</p>
SNET	PW-789	<p>You must create an appropriate Card Format to enable card transactions from the SNET readers to be reported correctly. Follow these steps:</p> <p>Go to Database Configuration > Card Format. Right click anywhere on the screen, and select New Card Format.</p> <p>At the Choose Card Format Type box, select Non PW2000 and click OK.</p> <p>At the Add Card Formats screen, enter a Card Format description in the Description box that you will easily identify as the SNET Card Format (e.g., "SNET"). In the Property/Value box below the Description field, select PW5K Wiegand as a format type, and select the appropriate number of bits (i.e., if the cards you will be using are 32-bit cards, select 32 in this field, etc.) .</p>

Description:
SNET

Property	Value
Format Type:	PW5K Weigand
Id Offset:	0
Bits:	32
Flags:	0

In the Card Item/Start/Length box to the right of the Property/Value box, select or enter the appropriate values.

Card Item	Start	Length
Facility Code:	0	0
Card Number:	0	32
Issue Code:	0	0
Even Parity:	0	0
Odd Parity:	0	0

Click OK to accept the new Card Format for SNET.

From the main Pro-Watch screen, select Hardware Configuration, select the appropriate Site, click Panels, and double click the panel you are configuring for SNET communications.

At the Edit Panel screen, click the Card Formats tab, and click the Add button on the Card Formats tab.

In the Select Card Format box, click the green icon next to the Card Format field.

From the Card Formats list, select the format you created for SNET and click OK.

Select a number of your choice in the Format # field, and enter a Facility Code (or check All). Click OK.

From the Pro-Watch main screen, select Hardware Configuration and click the appropriate Logical Device folder to display the site's Logical Devices.

		<p>Right-click the Logical Device you want to configure for the SNET readers, and select Properties.</p> <p>Select the Logical Device Details tab, and click the</p>
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		<p>appropriate reader to display the Edit Reader dialog box.</p> <p>Click the Reader Settings tab. In the Card Formats box, select the SNET reader you configured in steps 17, and click OK.</p>
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Release Notes

Pro-Watch Software Suite

Release 3.8 SP1, Build 8359

New features in this Service Pack:

- Badge Builder: Text fields in badge profile and action notes fields now include a word wrap feature which can be enabled per field. (TT-5732)
- PW5000/6000 panel: Single card downloads are now logged. (TT-8302)
- Badges: Improved downloading performance for large batches of badges. (TT-8330)
- Panel transactions: Verifies transactions from a panel are not lost. (TT-8331)
- Panel downloads: Verifies downloads to a panel are received. (TT-8332)
- Vista Panels: Added support for Vista BP panels. (TT-8378)
- Galaxy Panels: Added capability in Database Configuration to manage Galaxy users. (TT-8540)

Issues resolved in this Service Pack:

- Badge Wizard: New badges created in the wizard are now logged. (TT-7532)
- CCTV: Return to Normal configuration data is now being saved. (TT-7974)
- DTU: Real DTU error no longer being received. (TT-8503)
- Vista Panel: Time displayed is limited to hours and minutes. (TT-8533)
- Galaxy Panel: Improved response performance of zone status messages. (TT-8548)
- Vista Panel: Offline status is now reported correctly when disconnected. (TT-8575)
- Galaxy Panel: Zone statuses are now being reported in status group display. (TT-8614)
- Install: Pro-Watch can now be installed on a domain controller. (TT-8616) • Badging: Batch update performance improved. (TT-8631)

Known issues in this Service Pack:

- Logging: When in level 3, 4 & 5, initiation of a download from the Client does not get written to the log file on the Client. Workaround: Create a "Logs" folder on the Client and PW 4.2 SP4 Release Notes the PW 3.8 SP1 V48, On Empdown, Jose initiated from 136 client are recorded. (TT-8729)

- Mask/Unmask: Selecting Mask or Unmask of a Channel on Status Group displays error message. Workaround: These page options should not be visible for panels and channels, since they are not logical devices, nor otherwise subject to these actions. (TT-8777)
- Pro-Watch Registry Editor – Various Pro-Watch keys are not created in the Windows Registry (REGEDIT) until they are first selected in the Pro-Watch Registry Editor (TT-8780)
- Alarm Monitor: Alarm does not beep. Workaround: Set NewAlarmTrigger registry key to zero after a full install. (TT-8781 & 8786)

Release Notes

Pro-Watch Software Suite Release

3.8, Build 18246 Patch

Issues resolved in this patch:

- Pro-Watch reconnects when it determines that the V5 panel is off line. (TT-8698)

Release Notes

Pro-Watch Software Suite Release

3.8, Build 8246 HotFix

New features in this HotFix:

- Integrated with MaxPro VMS R200 Build 141.

Issues resolved in this HotFix:

- Pro-Watch client was not able add video server when Pro-Watch server is installed on Windows 2008 machine.
- Memory leak in Pro-Watch server & subsequent crash on several restarts of the trinity server.
- All Video devices are disappearing from Pro-Watch, when n/w connection with VMS is interrupted while download is in progress.

- Live update is not happening and alarms not received in Pro-Watch on restart of VMS server.

Release Notes

Pro-Watch Software Suite Release 3.8, Build 8246

New features in this release:

- Support for the Galaxy Dimension Intrusion Panel ○ Barcode: Support for new barcode type (PDF 417). Use requires third-party license per client. ○ Dongle: User alert provided for impending expiration date.
- New Installation package:
- New user interface for improved ease of use.

Selectable installation configurations: Pro-Watch Installation (Complete)

Pro-Watch (Server only)

Pro-Watch Client (Complete)

Pro-Watch Terminal Client (Only)

Pro-Watch Database (Only)

Pro-Watch Installation (Custom) ○ Installs Professional, Corporate, Enterprise and Lite editions of Pro-Watch.

Operating systems

supported:[Init_Atlas_fw\$2Requirements.GeneralRequirements.3\$Must\$Root

- Windows XP Professional: 32 bit (SP3) ○ Windows Vista: 32 bit (SP1).
 - Windows Server 2003: 32 bit (R2 SP2).

- Windows Server 2008: 32 bit (SP2), 64 bit (SP1).
- Windows 7: 32 bit, 64 bit
- SQL supported:
- SQL Server 2005: 32 bit (9.0.4035).
- SQL Server 2008: 32 bit (10.0.2531), 64 bit (10.0.1600) ○ SQL 2008 Express: 32 bit (10.0.1600.22)
- Application Log-in features:
- Added an alternate Pro-Watch login mechanism optimized for non-domain environments, such as a small installation.
- Mapping: Added support for DWFx/XPS files. Use requires third-party license per client.
- Event Procedures: Added a mechanism to trigger event stored procedures based on consecutive same events from a logical device.
- Vista Intrusion: Vista zones can be specified as timed points.
- Data Transfer Utility (DTU): Added new option to specify age (in minutes) of historical transactions to include in export.
- PW5000 Panels: Improved performance when downloading badges.

Issues resolved in this release: ○Badges: Deleting a badge holder also deletes associated blobs. (TT-3383)

- Alarm monitor\Instruction Window: "Description" and "Instruction Message" fields are now in the proper order. (TT-4641)
- PW5000 and PW6000 panels: The latest firmware versions are now downloaded properly. (TT-5276)
- Watchtower: Alarm events from monitorable inputs are now being displayed in Event Viewer in a timelier manner. (TT-6492) ○ Install: Machine name can now be more

than 14 characters. (TT-6511) ○ Watchtower: Timer for Door Unlock resets on stop time. (TT-6537)

- Single Card Download: No longer generates unacceptable memory leaks during this process. (TT-6718)
- PW5000 Panel: When adding a time zone, the next available time zone is now being computed properly. (TT-6826)
- Alarms: Provides an “Event Response” when clearing/acknowledging an alarm when using maps. (TT-7045)
- Advanced search: Capability to add open and close parentheses to search criteria. (TT-7069)
- Badge Summary Report: Can be run when selecting more than 12 logical devices. (TT-7486)
- Enterprise Edition: A report can be viewed, then the database changed and then report viewed again without issues. (TT-7496)
- Action Note Reports: All 255 available characters are now being displayed. (TT-7497) ○

Legacy Restore Utility: Added missing option for R6 databases. (TT-7498)

- SEEP channels: Startup no longer results in a crash. (TT-7519) ○ Star 1 Panels:
Shunted alarms are no longer included in reports. (TT-7590)
- Dongle: Pro-Watch shuts down and issues a message when expiration date is exceeded. (TT-7648)
- Dongle: Not being recognized in certain instances has been corrected. (TT-7654) ○
Guard Tours: Corrected issue that caused guard tours not to function. (TT-7659) ○
Alarm Monitor: Right clicking on a camera icon now displays available video. (TT-7684) ○
Event Log Reports: Message column no longer over writes Company column. (TT-7755)
- SmartPlus: Improved response of updating the Channels and panels status icons. (TT-7780) ○ PW5000 Panels: Able to save Extended Instructions. (TT-7807)

- Remote Comm Server: Offline events are generated for all associated panels when Remote Comm Server goes offline/disconnects from the Primary Comm Server.
- (TT7818) ○ Vista Keypad Display: No longer scrambles display after hourly time updates. (TT-7832)
- SEEP Panel: Clicking Ok on the panel properties no longer adversely affectssystem operation. (TT-7836)
- Card Transaction Tab: The opening performance of card properties has beenimproved when large amounts of Event Log data exist. (TT-7838)
- Rapid Eye: Channel serial numbers no longer affect communication with otherchannels (primarily PW5000 and PW6000). (TT-7839)
- Hardware Template (Default Entry/Exit Reader Door): Added missing reader andinput point events. TT-7840/8194)
- Card Maintenance: A maximum limit of 64 is imposed while revoking a logical device. (TT-7866)
- Card Maintenance: Correctly computes the maximum number of number of readersper PW 5000/6000 panel per card. (TT-7867) ○ Dongle: Alert users to an impending Dongle expiration. (TT-7872) ○ Watchtower: Up to sixty-three time zones are now permitted. (TT-8159) ○ Watchtower: The Active/Deactive status for Outputs is now shown under panel status. (TT-8162)
- Watchtower: Missing door events for readers are now listed on the Eventstab. (TT8163) ○ Batch Modify: Now respects Partitioning. (TT-8167)

- Enterprise: Improved reliability of Alarm Manager to receive all events from remote regions. (TT-8178) ○ Panel Move Utility: Now works for non-admin user on a client machine. (TT-8184) ○ PW6000 panel: Can add a one reader board during configuration. (TT-8207)
- Event Procedure: The Arm Command drop down list now functions properly when switching between Vista and Galaxy panels. (TT-8247)
- Event Procedure: "Issue an Event" is now executed when assigned to a user-defined routing group. (TT-8254) ○ PW5000 encryption: Master keys are now downloaded to panels. (TT-8303)
- Logical device: Editing subpanel hardware no longer causes program to discontinue operation. (TT-8334)
- Badge: The process of creating a badge no longer results in the program to discontinue operation. (TT-8344)
- Vista panels: Now utilize the time zone specified in the channel as the basis for establishing local time. (TT-8345)
- Badge Builder: Program discontinues functioning when editing user defined values. (TT-8387)

Known issues in this release:

- Logitech camera: No support for this device on Server 2008. (TT-7918)
- Honeywell Vista channel - TCP/IP port set to 0 causes downloads to stop. (TT-7920)

In Windows Server 2008, the Pro-Watch service should be set to Delayed Start in order for it to start automatically upon a reboot. (TT-7921)

Star panels: Masking and Unmasking inputs on these panels generates erroneous events: (TT-8305)

- On a Star 1 panel when the input is masked, it gives 908 input status unknown twice and 51 mask alarm point. When unmasking input it gives 52 arm an input point followed by 2 10908 input status unknown RTN events.
- On a Star2 panel when the input is masked, it gives 908 input status unknown twice and 51 Mask an alarm point. When unmasking input it gives 10908 input status unknown RTN twice and 52 arm an alarm point.
- Badge designer: Does not allow you to browse drives for pictures. The workaround is to type the drive letter i.e. C:\ under filename. (TT-8310)
- Wizard: Incorrect reader assigned for default hardware template. Workaround is to un-assign the exit (second) reader and assign the one desired. (TT-8323)
- Pro-Watch Enterprise: Changing the replication schedule time from a regional monitor generates an error message. (TT-8238)
- Pro-Watch Enterprise: All servers on an Enterprise network have to be the same: Operating System, SQL version and Pro-Watch version.
- Pro-Watch Enterprise: Installations based on 64-bit Microsoft SQL 2008 require the installation of Microsoft's SQL 2005 Backwards Compatibility Pack. This can be found on the Installation Disks or at: <http://www.microsoft.com/downloads/details.aspx?familyid=228de03f-3b5a-428a-923f58a033d316e1&displaylang=en>
- Antipassback: Unable to receive antipassback error message using Entry/ Exit hardware template. (TT-8194) Workaround: Once the events are defaulted under the HW Template and the events are defaulted under the reader, antipassback works properly.
- Timed masks: On 64-bit operating system, the timed masks may not unmask after the program time expires on a PW6k reader. (TT-8563) Workaround: Adding the following registry key into the registry on the server is needed for micxp.dll to work:
[HKEY_LOCAL_MACHINE\SOFTWARE\Honeywell\ProWatch\Directories]
"CommServerName"="<YourCommServerNameGoesHere>"
- Data Transfer Utility: In order to run DTU on a 64-bit operating system, use the 64-bit DTU version provided on the install disk.
- On 32 bit SQL Server 2008 (running on Windows 2008 standard) a combination of factors can cause memory related stress. See Resource below for more information:

<http://www.microsoft.com/products/ee/transform.aspx?ProdName=SQL%20Server&ProdVer=10.0.2531.0&EvtID=701&EvtSrc=MSSQLSERVER&FileVer=10.0.2531.0&FileName=& EvtType=&LCID=1033>

The following suggestions help to prevent the crash:

1. If the SQL server machine by default can only access 2GB of memory. In order to access more physical memory on the machine the following options need to be selected:

(From SQL management studio -> Server Properties->"Memory" settings) AWE flag 1, Min (MB) - 1024, Max (MB) - 5632

2. Use the Windows Group Policy tool (gpedit.msc) to enable "Lock Pages in Memory" policy for the account used by SQL Server

(<http://msdn.microsoft.com/en-us/library/ms190730.aspx>).

3. Increase interleaved memory (used by link server, stored procedures...)

SQL Server Configuration Manager -> Properties of running instance of SQL Server -> Advanced tab -> Startup Parameters

Add the following to the end, without the quotes: "-g384"

(<http://blogs.msdn.com/psssql/archive/2010/02/19/did-you-start-your-sql-server-engine-correctly.aspx>)

Note: One could increase that to 512 (-g512) to prevent crash due to memleave constraints.

4. Apply the hot fix for kb 977093 (<http://support.microsoft.com/kb/977443>)

SQL_Server_2008_SP1_Cumulative_Update_6_SNAC SQL_Server_2008_SP1_Cumulative_Update_6

5. (Optional) if not using CLR, you can disable CLR in sp_configure

If the issue persists on high load conditions, the only option is to move to 64bit environment.

Maxpro VMS Integration:

- o New VMS features in this release of Pro-Watch:

1. Option to enable / disable PW verification viewer integration with MVMS to show Badge Photo, Badge Signature and Live Camera video attached to it.
2. Support for MVMS events (Note: MVMS events id range in PW is 5000 to 10000 in which 5000 to 8000 is for video device events and 8000 to 10000 are for IO events, user devices events & scheduler events)
 - User defined events
 - IO Events

- Scheduler events
 - Analytics events
3. Implementation for Download started and Download Stopped events in Alarm view on manual download
 4. MVMS channel controller port is editable now
 5. On the Fly DVR / NVR integration for any new DVR / NVR integration in MVMS(PW doesn't need to change in order to support them)
- o VMS issues resolved in this release of Pro-Watch:
1. For migration from older installations (till 3.7.8037) that doesn't have MVMS channel download events: Added MVMS channel events specific to download of MVMS configuration to PW (download started event & download completed event). Note: For any new MVMS channel creation, these events automatically getting populated in PW and thus this SQL script would be void in these scenarios.
 2. Fix for Intellex dvr integration through MVMS integration in PW: Previously CCTV commands relevant to Intellex DVR was not updated properly. Now it is fixed.
 - Migration from 3.7.7941 to 3.7.8037
 - Migration from 3.7.7941 to 3.7.8199 (or later)
 3. PW event address range fix: PW events maximum address limit is changed from 1000 to 10000 in order to allow MVMS events in PW. It still works fine. But this fix is for adding events with the address of greater than 1000 through MICShell when any new events is added for devices in PW. The configuration page was not allowing the addresses greater than 1000 but fixed now. Multiple MVMS configuration download fix: Multiple MVMS download in PW is limited to only one download at any point of time now in order to synchronize the configuration properly. But the failure case was not handled during the implementation. Now it is handled & fixed.
 4. Fix for MVMS channels' controller port in deployed sites: MVMS channel creating would handle the default MVMS port number in configuration during the channel creation. This default port number was hard coded previously. Then it got changed to allow any user input ports. It would work if channel is newly created from the fix. But for the existing MVMS channels, when they migrate to this patch, the default port number was getting assigned to 0. It is fixed now.
 5. MVMS channel reconnection fix. Previously, the channel is getting status as reconnected (but not really reconnected) when it's received a specific combination events from MVMS (disconnected & reconnecting). This is fixed now.
 6. Some of the Video actions in PW Alarm map were disabled previously. Now it is fixed.

7. Playback of Video when user clicks on hyperlink from PW reports for Video related events was not working previously. It is now fixed for the cameras associated to reader logical devices (not applicable to MVMS devices & events that are not associated with Logical devices).
 8. Fix for issue showing all monitors while searching for monitors in Tools--> Find Window by any non numeral of Video server number
 9. Fix for issue showing all monitors while searching for cameras in Tools--> Find Window by any non numeral of Video server number
 10. Fix for some of the recorder events (like camera server health changed, database server health changed etc) generated in MVMS is not received in PW alarm monitor
 11. Renaming a cameras / monitors in MVMS creates new cameras / monitors in PW. Now it is fixed.
 12. When we change Camera call up number in MVMS, it is not synchronized with PW properly. Now it is fixed.
 13. Users created with PIN number in prefixing with zero in MVMS are not synched correctly in PW. Now it is fixed.
- o Migration Procedure:
 - o To migrate from Pro-Watch 3.7.7941 to 3.7.8037:
 1. Take database backup
 2. Install the Patch of 8037 over 7941 PW system.
 3. Upgrade MM Sp2 to MM R200
 4. Let the channel come online in PW
 5. Open migration tool and perform migrate function.
 6. Upon successful migration message, perform download system on Video channel in PW.

Note: Migration steps MUST be performed before performing any download.

- o To migrate from Pro-Watch 3.7.7941 to 3.8.8199 (or latest 3.8 release):

1. Take database backup
2. Install the Patch of 8199 over 7941
3. Upgrade MM Sp2 to MM R200
4. Let the channel come online in PW
5. Right click on channel and select download and perform migration. (Do NOT select download system)
6. Upon successful migration message of download complete in event viewer / alarm monitor, perform download system on Video channel in PW.

Note: Download system on video channel should not be performed before migration, else the entire Video integration related database would corrupt and camera / commands get lost.

- o For new sites with Pro-Watch 3.8.8199 (or upcoming 3.8 release candidate) as first installation:

No migration procedure is applicable.

- o MVMS Device compatibility matrix:

PW version 3.7 supports only those device types which were present till R140 SP2 release of MVMS. It does not support device types newly added in R200 release. Below is a list of what is supported and not supported in PW 3.7. The next qualified build of PW (may be 3.8 release that is greater than 3.8.3199 version) will support all features of MVMS R200.

Entity	Supported	Not supported
Video Input	Cameras	Hybrid Cameras, Digital Input trunk, Other MVMS video input device types
Video Output	Monitors (Analog, Digital)	Digital Output trunk, Other MVMS video output device types
Recorder	IP Engine, RE, Fusion, Enterprise,	Pelco, Intellex , HRXD

Events	Camera events, Recorder events	Analytics event, User defined events, IO events, Scheduler events
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