

## Pro-Watch Software Suite Release Notes

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

## Issues Resolved (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 <b>Delete</b> .
	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 Pro-Watch application is on another.

## Issues Resolved (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.
	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 <b>Cancel</b> 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> <ul style="list-style-type: none"> <li>• PW-6000 IC firmware: <b>pw6k_2_5_4_0279.crc</b></li> <li>• PW-6000 Two-Reader board firmware: <b>pw6k1r2_appl_1_5_8.aax</b></li> </ul> <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> <ol style="list-style-type: none"> <li>1. Go to <b>Database Configuration &gt; Card Format</b>.</li> <li>2. Right click anywhere on the screen, and select <b>New Card Format</b>.</li> <li>3. At the Choose Card Format Type box, select <b>Non PW-2000</b> and click <b>OK</b>.</li> <li>4. 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").</li> <li>5. In the Property/Value box below the Description field, select <b>PW5K Wiegand</b> 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.) .</li> </ol>

		<p>Description: SNET</p> <table border="1"> <thead> <tr> <th>Property</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>Format Type:</td> <td>PW5K Weigand</td> </tr> <tr> <td>Id Offset:</td> <td>0</td> </tr> <tr> <td>Bits:</td> <td>32</td> </tr> <tr> <td>Flags:</td> <td>0</td> </tr> </tbody> </table> <p>6. In the Card Item/Start/Length box to the right of the Property/Value box, select or enter the appropriate values.</p> <table border="1"> <thead> <tr> <th>Card Item</th> <th>Start</th> <th>Length</th> </tr> </thead> <tbody> <tr> <td>Facility Code:</td> <td>0</td> <td>0</td> </tr> <tr> <td>Card Number:</td> <td>0</td> <td>32</td> </tr> <tr> <td>Issue Code:</td> <td>0</td> <td>0</td> </tr> <tr> <td>Even Parity:</td> <td>0</td> <td>0</td> </tr> <tr> <td>Odd Parity:</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <p>7. Click <b>OK</b> to accept the new Card Format for SNET.</p> <p>8. From the main Pro-Watch screen, select <b>Hardware Configuration</b>, select the appropriate Site, click <b>Panels</b>, and double click the panel you are configuring for SNET communications.</p> <p>9. At the Edit Panel screen, click the <b>Card Formats</b> tab, and click the <b>Add</b> button on the Card Formats tab.</p> <p>10. In the Select Card Format box, click the green icon next to the Card Format field.</p> <p>11. From the Card Formats list, select the format you created for SNET and click <b>OK</b>.</p> <p>12. Select a number of your choice in the Format # field, and enter a Facility Code (or check <b>All</b>). Click <b>OK</b>.</p> <p>13. From the Pro-Watch main screen, select <b>Hardware Configuration</b> and click the appropriate Logical Device folder to display the site's Logical Devices.</p> <p>14. Right-click the Logical Device you want to configure for the SNET readers, and select <b>Properties</b>.</p>	Property	Value	Format Type:	PW5K Weigand	Id Offset:	0	Bits:	32	Flags:	0	Card Item	Start	Length	Facility Code:	0	0	Card Number:	0	32	Issue Code:	0	0	Even Parity:	0	0	Odd Parity:	0	0
Property	Value																													
Format Type:	PW5K Weigand																													
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Odd Parity:	0	0																												

		<ol style="list-style-type: none"><li>15. Select the <b>Logical Device Details</b> tab, and click the appropriate reader to display the Edit Reader dialog box.</li><li>16. Click the <b>Reader Settings</b> tab. In the Card Formats box, select the SNET reader you configured in steps 1-7, and click <b>OK</b>.</li></ol>
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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 restart the PW Service, then downloads initiated from the 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:
  1. Pro-Watch Installation (Complete)
  2. Pro-Watch (Server only)
  3. Pro-Watch Client (Complete)
  4. Pro-Watch Terminal Client (Only)
  5. Pro-Watch Database (Only)
  6. Pro-Watch Installation (Custom)
- Installs Professional, Corporate, Enterprise and Lite editions of Pro-Watch.
- Operating systems supported:
  - 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. (TT-7818)
- Vista Keypad Display: No longer scrambles display after hourly time updates. (TT-7832)
- SEEP Panel: Clicking Ok on the panel properties no longer adversely affects system operation. (TT-7836)
- Card Transaction Tab: The opening performance of card properties has been improved when large amounts of Event Log data exist. (TT-7838)
- Rapid Eye: Channel serial numbers no longer affect communication with other channels (primarily PW5000 and PW6000). (TT-7839)
- Hardware Template (Default Entry/Exit Reader Door): Added missing reader and input 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 readers per 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 Events tab. (TT-8163)

- 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-923f-58a033d316e1&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 mem2leave 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)
- 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.

- 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.

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

No migration procedure is applicable.

- 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.

<b>Entity</b>	<b>Supported</b>	<b>Not supported</b>
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

## Release Notes

### Pro-Watch Software Suite

#### Release 7, Patch 8044

Issues resolved in this patch:

- Star 1 Panel: Resolved issue where shunted alarms appeared on reports. (TT-7590)
- Vista Keypad: Display is no longer scrambled after hourly time updates. (TT-7832)

- Remote Server: Fixed crashes occurring during heavy loads. (TT-7852)
- Badge: Transactions now appear in card history. (TT-7870)
- Event Procedures: Fixed problem related to a client site. (TT-8014)
- User: Fixed server/client permissions issue related to a root class user. (TT-8028)
- Dongle: Fixed issue related to reading a dongle. (TT-8040)
- Badge: Corrected expired card status code displayed in Badge Update tab. (TT-8114)
- DWFx: Improved display of Zoomed out high resolution DWFx files. (TT-8115)
- Badge: Data entered in a custom DTW badge creation function is now saved. (TT-8171)
- Verification Viewer: Double clicking on a card transaction no longer affects the event type description. (TT-8199)
- Verification Viewer: Double clicking on a card no longer affects badge photo. (TT-8200)
- Verification Viewer: Clicking on an event no longer affects the text color. (TT-8201)
- Vista Panel: Clock updates are now downloaded to the panel hourly. (TT-8202)
- Anti-passback: Resolved sporadic occurrences of anti-passback violations. (TT-8213)
- Miniplex panel: Card database is no longer being cleared after certain events. (TT-8246)
- Event Procedure: "Issue an Event" procedure can now be executed when assigned to a user defined routing group. (TT-8254)
- PW5000: Encryption master keys can now be downloaded to panels. (TT-8303)
- Vista & Galaxy Panels: Time and date updates to a panel now take into account the local time zone of channel. (TT-8345)

## Release Notes

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## Pro-Watch Software Suite

### Release 7, Patch 8039

Patch 8039 resolves the following issues in Pro-Watch Software Suite, Release 3.73.0:

- Vista and Galaxy time and date updates do not account for local time zone of channel (TT-8345)
- PW5000 encryption - Master keys do not get downloaded to panels. (TT-8303)
- Event Procedure "Issue an Event" is not executed when assigned to a user-defined routing group. (TT-8254)
- DTW - Cards database in Miniplex panel was getting cleared after a channel restart. (TT-8246)
- Anti-passback violations - sporadic occasions when a panel will think a card is in an area that it is not and will deny access. (TT-8213)
- Pro-Watch is no longer sending hourly updates to the clock on aVista Panel with Firmware Ver. 3.1 (TT-8202)
- Verification Viewer: text color changes. (TT-8201)
- Verification Viewer: badge photo disappears when click on previous card. (TT-8200)
- Verification Viewer: event type description disappears. (TT-8199)
- While creating a 5k reader, using Entry-Exit hardware template, the primary and secondary reader are assigned the same address. (TT-8171)
- DWFx files of high resolution were not displayed well when Zoomed out. (TT-8115)
- Badge Batch modify shows 'E' as card status code for Expired instead of 'X'. (TT-8114)
- Dongle Read fails. (TT-8040)
- Changes to site-specific Event Procedures causes problem at client site. (TT-8014)
- Implmenet logging of failed ProWatch access attempts. (TT-7995)
- Top 100 Clause in the view CARD\_TRANSACTION\_HISTORY was causing no transactions to show up in Card Transaction tab. (TT-7870)
- Remote Server crashes on a stress test. (TT-7852)
- PW Software keys. (TT-7805)

- Star I Reports not working. (TT7590)

## **Release Notes**

### **Pro-Watch Software Suite**

#### **Release 7, Hot-Fix 8032**

Hot-fix 8032 resolves the following issues in Pro-Watch Software Suite, Release 3.73.0:

- New nc\_net.dll addresses issue that prevented bringing more than two Miniplex panels online. (TT 8250)
- Cards database in a Miniplex panel is no longer cleared after a channel restart. (TT 8246)

## **Release Notes**

### **Pro-Watch Software Suite**

#### **Release 7, Patch 8032**

Patch 8032 resolves the following issues in Pro-Watch Software Suite, Release 3.73.0:

- The custom DTW “Calculate New Badge number” and “Calculate Card Expiration” functions now work properly. (TT 8171)



- Corrected issue that prevented Pro-Watch from properly reading the Sentinel Dongle with latest drivers. (TT 8170, 8040, 7654)

**Note – Use of this patch requires the latest Sentinel Drivers to be installed.**

## **Release Notes**

### **Pro-Watch Software Suite**

#### **Release 7, Patch 8031**

Patch 8031 resolves the following issues in Pro-Watch Software Suite, Release 3.73.0:

- When using Batch Modify on Cards the status is not set properly when “Expired” is selected. (TT 8114)
- Added settings to the Map Manager to modify the display of certain map types where necessary for added clarity. (TT 8115)

## **Release Notes**

### **Pro-Watch Software Suite**

#### **Release 7, Patch 8025**

Patch 8025 resolves the following issues in Pro-Watch Software Suite, Release 3.73.0:

- The database update script properly handles Building Mode Event Procedures (TT 8014)
- Pro-Watch now logs failed operator login attempts for Invalid Users, Expired Users, and Invalid Workstations where the user attempting access has access to the Pro-Watch Server and Database. (TT 7995)

## **Release Notes**

### **Pro-Watch Software Suite**

#### **Release 7, Patch 8018**

Patch 8018 resolves the following issues in Pro-Watch Software Suite, Release 3.73.0:

- The server name is now stored in the Event Log for the "Remote Comm Server Not Responding" alarm. (TT 7820)
- When a remote server goes offline/disconnects from the Primary Comm Server, the offline event gets reported. (TT 7818)
- Remote server no longer crashes when heavily loaded. (TT 7852)
- Fixed crash related to bringing Vista panels on line. (TT 7841)
- Optimized performance of reporting transactions in the Badging Transaction tab. (TT 7838)
- Selecting Seep panel properties no longer causes a crash. (TT 7836)
- Vista zones can be specified as timed points. (TT 7767)

Known Issue:

- When the Time Zone associated with an Elevator Output in a Clearance Code is modified the user is not prompted to download the revised Clearance Code. In order to complete this change it is necessary to download cards to the effected panels. (TT 7868)

## Release Notes

### Pro-Watch Software Suite

#### Release 7, Patch 8013

Patch 8013 adds the following new features to the Pro-Watch Software Suite, Release 3.73.0:

- Commend Intercom integration features:
  - Control both remote and master Commend Intercom stations from within the Pro-Watch.
  - Associate Commend Intercom with workstations and Logical Devices.
  - Secondary annunciation of intercom calls, events, and alarms in the alarm-monitoring window.
  - Events tab for configuring event originating from the station.
  - Events are reported for the stations that originate and receive a call.
  - Commend Intercom functions can be programmed to report to the alarm-monitoring module as events. (Administrator)
  - Define functions with a logical name and set their parameter values.
  - Define the Site, Channel, Description, Address and Master Station.
  - Store intercom calls, events, and alarms in system database so an audit trail can be retrieved.
  - CCTV support for Camera Call up and PTZ functions.

- Vindicator IDS Reporting features:
  - Database queries allow an operator to focus on specific data sets making selections and filtering to further refine queries. Configured queries may be saved for repeated use.
    - IDS queries: Events, Operator Logs, Filters & System Comm Events.
    - ACS queries: Activity, States, Events & Filters.
  - Reports from query results are formatted for page printing with preview and saving options.
    - IDS reports for Point Events, Operator Logs & Communication.
    - ACS reports for Access Control Events, Portal Activity & Card Holders.

Patch 8013 resolves the following issues in Pro-Watch Software Suite, Release 3.73.0:

- PW-5000/6000
  - Changed the PW-5000/6000 transaction processing sequence to prevent an issue that could result in Future Event dates being reported upon channel startup. (TT 7735)
- SEEP Panels
  - Star I Reports now work properly (TT 7590)
- Badging
  - Corrected problem that prevented Badge Layouts from displaying properly on upgrades. (TT 7718)
  - Corrected issue which could result in an application crash when searching for Badges (TT 7702)
  - Badge viewer now sets the original values to badge fields when users selects 'no' on a Badge Save operation. (TT 7740)

- Miscellaneous:
  - Resolved issue which could cause a server crash when using host name to IP conversion on a channel. (TT 7751)
  - An entry is added into the ADM log file for every DB connection failure error, regardless of ShutdownOnDBThreshold feature.( TT 7600)
  - Event Log no longer gives an error message when searching Recorders or CCTV Switchers (TT 7568)
  - List of downloads in the download list view is not dependent on the COM server name anymore.(TT 7479)
  - The memory consumed by the Pro-Watch Server when processing single card downloads has been significantly reduced. (TT 6718)
  - The Data Transfer Utility now supports Unicode characters. (TT 7704)
  - Issue that could cause event transactions to be missed by the Data Transfer Utility when processing Delimited Export has been fixed. (TT 7761)
  - Pro-Watch now adheres to the Dongle Expiration Date. (TT 7648)
  - Live Trace now works in Alarm Monitor (TT 7794)
  - CCTV commands are no longer blanked out after upgrade (TT 7781)

#### Known Issues:

- Vista channels and panel show online (green icon) in the Hardware tree with no hardware connected, until status message updates with the correct status of offline in approximately one minute. (TT 7759)
- When upgrading sites with RapidEye channels the RapidEye channel password will need to be re-entered after the upgrade.(TT 7655)

## Release Notes

### Pro-Watch Software Suite

## Release 7, Patch 7941

Patch 7941 resolves the following issues:

### Remote Communication Server Functionality

- Remote Comm Servers now properly cease polling panels after losing their connection to Master Server. (TT #7505 & 7511)
- Remote comm server status is now displayed properly after a disconnect from the Master server. (TT #7504 & 7468)

### Panel Issues

- SEEP channels no longer crash service on startup. (TT #7519)
- Creating a PW5000 panel without using the wizard now works properly. (TT #7522 & 7507)
- Corrected an issue which lead to frequent PW6000 panels going offline (TT #7563)
- Card download retries are no longer generated if the original download failed due to a Panel Syntax error. (TT #7441)

### Miscellaneous

- Registry permissions for Non-admin users are now set properly for the Pro-Watch registry keys. (TT #7520)
- When attempting to add a camera to the Digital Video Recording screen, the system no longer locks up. (TT #7521)
- A memory leak in V5 interface has been closed. (TT #7566)
- Correct problem which caused Pro-Watch clients to disconnect from the Pro-Watch Server (TT #7562)

- A non-admin user using Shadow Login is now able to open Alarm monitor from Viewers bar (TT #7547)
- Timed points (dis-arm and arm reader) are now saved when default company is clicked (TT #7544)
- The Find tool, now properly handles searches on Particular MaxPro devices (TT #7540)
- PW-5000 Site transactions can now be changed from inactive to active alarm status.(TT #7534)
- In the badge summary report it is now possible to select more than 12 logical devices. (TT #7486)
- Corrected issue which allowed non-Pro-Watch users to provide CFR signatures. (TT #7575)
- Pro-Watch now supports more than 175 Badge Field columns. (TT #6591)
- Restore Alarm Monitor Copy functionality. (TT #7503)

## Known Issues

- In testing this release it was noted that locking an area comprised of SEEP panels only works properly if done from the right click popup menu. Attempting the same from the Area Properties dialog fails to lock the selected area. (TT # 7597)
- Reports built on Star I panels are not functioning properly in this release. (TT #7590)

## Release Notes

### Pro-Watch Software Suite

#### Release 7, Patch 7885

Patch 7885 adds the following new features to the Pro-Watch Software Suite, Release 3.72.0

- Pro-Watch User status can now be set with the same status codes as badge holders. This allows Pro-Watch Administrators to disable user access to Pro-Watch programs without having to delete or mark expired Pro-Watch users. (TT #5471)
- The camera name is now displayed in the title bar for the following DVRs when viewing live and captured video (TT #6884 & 6732):
  - Honeywell Fusion DVR
  - Honeywell DVM
  - Integral
  - RapidEye
- Maps now can play live and captured video. (TT #6902)
- If a user sets "Unique" to true on a variable character type badge field with badges already made, when new badges are made if there are conflicts the offending badges will be identified. (TT #6945)
- PW-6000 Panels can now be added to Pro-Watch as such, rather than selecting PW-5000 as the panel type. (TT #7128)
- Pro-Watch now supports name resolution on TCP-IP Channels.
- Badge Layouts can now be saved to the database as blobs. (TT #6965)

Patch 7885 resolves the following issues in Pro-Watch Software Suite, Release 3.72.0

## Auditing

- Badge deletes now reflect the proper information in the Audit Log. (TT #4593)
- All operator actions on Logical devices are now recorded into the Operator Log. (TT #5614)
- Changes to Pro-Watch time zones are now auditable. (TT #6410)
- Expired/Auto Expired Card status changes are now being recorded in the Audit Log. (TT #6432)

## Badging



- Badge holders with names that contain apostrophes no longer cause database errors when deleted. (TT #6441)
- Removing the Functions "Clearance" and "Modify Clearance Code" from the Program "Badge Maintenance" in the user's properties or Class now also prevents the user from granting or revoking access to a badge holder's card under the cards Logical Device Tab.
- Setting a custom field to require unique values no longer generates errors when used with multiple badging stations. (TT #7108)
- Temporary files created during signature capture are now stored in the user's temporary file location, as dictated by environmental variables. (TT #7189)
- Logical devices are now removed from a card when the company assigned to the card is changed to one that does not have clearance codes assigned. (TT #7209)
- Setting an integer badge field to unique now works properly. (TT #7219)
- Cards assigned Temporary Access no longer give on last access after the temporary time period has expired. (TT #7397)
- Corrected issue which could cause Badge Signatures to appear blocky. (TT #7429)
- Card Download traffic has been reduced by eliminating unnecessary saves and downloads within the badging process. (TT #7466)

## Video

- Vicon DVR Channels can now be set to the time zone appropriate to the Channel. (TT #7083)

## PW-5000\Vista\SEEP Panels

- Resolved issue that prevented PW-5000 sub-panels from being added to panels correctly when more than 8 are selected at one time. (TT# 7132)
- Corrected issue in which selecting two time zones to be added to a PW-5000 panel could result in one of the time zones being added twice. (TT #7199)

- Corrected issue which could prevent the uploading of event log and zone descriptor information from Vista Panels using later firmware versions. (TT #7302)
- Alarms on SEEP Monitorable Inputs are no longer generated in Pro-Watch when set by a time zone within the panel not to report. (TT #7493)
- Spool files which result in syntax errors are no longer retried. Preventing situations which could cause the system to flood with retry attempts. (TT #7441 & #7027)

## Remote Communication Server

- Logical Device status of Logical Devices on a Remote Communication server now display properly. (TT #7138)
- If a Remote Communication server fails the Remote Communication server and the panels polled by that server will now be shown as offline on the Master server with the appropriate Panel Offline alarms. (TT #7170, #7112)
- If a Pro-Watch client registry is set to an alias of the communication server, the channel download status list view now properly displays download information. (TT #7479)

## Reports

- Corrected Company column header in Muster Report. (TT #7182)

## MaxPRO VMS

- When using Pro-Watch with MaxPRO VMS users created in Pro-Watch are now properly migrated into MaxPRO VMS. (TT #7241)
- The database error seen when selecting the "Video Device Tab" when Pro-Watch is used with MaxPRO VMS has been corrected. (TT #7248)
- Pro-Watch now properly handles video in the verification viewer when used with MaxPRO VMS. (TT #7299)

- When using MaxPRO VMS with Pro-Watch Video from 30 seconds back now plays properly when selected from "Camera Video Loss" event. (TT #7427)
- Fixed problem that prevent partitions from displaying properly in MaxPRO VMS after synchronization with Pro Watch. (TT #7438)

## Miscellaneous fixes

- When creating a new site a comma is no longer allowed in the site name to prevent database errors. (TT #6026)
- The Watchtower Panel Add Wizard is now correctly labeled Watchtower. (TT #6552)
- Resolved database error seen when adding a new Default Event in Database Configuration without selecting an Alarm Type. (TT #6568)
- Corrected issues with Timed Mask in Pro-Watch with MS SQL 2005. (TT #6807)
- The patch installer has been modified to disable the Database Update check box on client installations. (TT #6987)
- Action Notes can now contain up to 255 characters. (TT #7051)
- Logical device input point device type addresses can be no longer be re-assigned when masked. (TT #7156)
- Fixed Alarm Monitor crash which could occur if multiple Alarm Monitor clients are clearing un-restored alarms simultaneously. (TT #7162)
- When using the Legacy Audit Log restore function the restore count is now accurate. (TT #7215)
- Deleting a logical device with associated with Timed Points also removes those Timed Points. (TT #7395)
- Corrected problem which could cause database errors at sites with large numbers of custom badge fields. (TT #7428)
- The Pro-Watch version number is no longer part of the Pro-Watch Registry keys path. This will prevent version updates from changing the Pro-Watch Registry path. (TT #7448 and TT #7419)
- Deleting a device assigned to a pathway no longer leaves orphan record under the pathway. (TT #7456)
- The Area List on the mustering window now only lists Areas within a user's assigned partition. This list is now also alphabetically sorted. (TT #7478)

- The transaction history on site, logical device and card properties, formerly showed events that were not cleared in black font and cleared events in red font. This is now the other way around. (TT #7480)

## Release Notes

### Pro-Watch Software Suite

#### Release 7, Patch 7768

Patch 7768 resolves the following issues in Pro-Watch Software Suite, Release 3.71.0

#### Smart Plus Mobile Reader Support

- Pro-Watch now supports Mobile Readers via Smart Plus

#### Panel Mover Utility

- Pro-Watch now includes a Panel Mover Utility under the Administrative Folder.

#### Vindicator

- Vindicator V5 Panels upon the loss and restoral of power now come back online properly in Pro-Watch. (TT #7002)
- The Pro-Watch Badging Icon can now be set to open Vindicator Badge Manager rather than the Pro-Watch Badging Manager via a registry key change.

## Fusion DVR

- Fusion playback on Alarm Events is now presented as one contiguous clip rather than a series of separate clips contiguous in time. (TT #6920)

## Localization/Report Fixes

- Fixed Problem which Prevent Reports Utility from correctly displaying Deferred Access Report folder in Chinese. (TT #7100)
- Chinese characters can now be entered in the Custom Card Data report fields. (TT #7102)
- Modified Badge holder Summary Report to prevent the overlap of Chinese Characters. (TT #7103)
- Modified Event Log Report Selection Screen to better display Chinese Characters. (TT #7104)
- On the Deferred Access report Last Name no longer displays under the First Name column. (TT #7101)

## Miscellaneous

- Alarms generated on Monitorable Inputs under Timed Mask now report properly when the Timed Mask expires on PW-2000 and SEEP Readers. (TT #7038)
- Fixed problem which prevented Remote Communication Servers from working correctly. (TT #7122)
- When changing the Company assigned to a card Pro-Watch will in addition to asking the user whether Pro-Watch should re-populate that card's Clearance codes, ask the user if existing Logical Devices assigned to the card should be removed, provided the Company selected has Clearance Codes assigned to it. (TT #4773)
- Corrected problem which generated an error when the time zone assigned to multiple Logical Devices within a Clearance Code are changed simultaneously. (TT #6893)
- When adding Logical Devices to Clearance Codes the first Logical Device in the list is not added automatically upon cancelling the selection. (TT #6913)

- The Verification Viewer now operates properly. (TT #7058)
- Added support for the rotation of Signature files within the Badge Designer. (TT #7110)

## Features rolled forward from Previous Release 6 SP2 Build

- Logical devices in the card screen are now displayed obeying partition rules. (TT #6417)
- Clearance codes in the card screen are now displayed obeying partition rules. (TT #6475)
- The Verification Viewer can now display custom badge fields.
- Failed attempted card downloads are now get re-tried.
- Date fields added to the custom badging fields now explicitly store the time as 0:00:00.
- With the addition of appropriate badge fields Pro-Watch now supports Contact Lists within the Alarm Monitor. Contacts can be associated with Sites, Channels, PW-5000 Panels, Logical Devices and Points
- Extended Instructions can now be assigned at the Site, Channel and Logical Device level in addition to the Point level. This functionality is also supported on PW-5000 panels. To enable this functionality the “Display Extended Instruction Set” check box must be selected under Server Options.
- Alarm Pages can now be associated with Routing Groups to control the Alarm Events that will appear on a selected Alarm Page. It is now also possible to temporarily change the Routing Group associated with an Alarm Page by selecting the “Configure Routing Filter” option from the View Menu. Access to this feature is governed via Programs and Function permissions under Alarm Monitor and Alarm Pages.
- The Alarm Monitor now provides the ability to utilize a Wait State disposition on alarms. Wait States can be Timed or Indefinite. Access to this feature is governed via Programs and Function permissions under Alarm Monitor.
- Within the Alarm Monitor and Transaction Tabs it is now possible to view Event History by right clicking on an event and selecting “View Event History” from the context menu.
- Cleared Alarm Events can now be unacknowledged from the transaction tab of a card, site or logical device by right clicking on the event and selecting “Unacknowledged Event” from the context menu.
- A transaction History is now available on transactions associated with a Site.

## Additional Notes

- ProWatch version numbers will change with every patch and service pack release. For example, this patch is now numbered 3.71.0. The service pack of the same patch will be numbered 3.71.1. Similarly, the next patch will be numbered 3.72.0 and the corresponding service pack will be numbered as 3.72.1.

Consequently, version number on this release has changed from 3.7 to 3.71. As a result of this change the configuration registry keys for this release are now located under

HKEY\_LOCAL\_MACHINE\SOFTWARE\NexWatch\ProWatch\3.71.0

rather than

HKEY\_LOCAL\_MACHINE\SOFTWARE\NexWatch\ProWatch\3.7.0

Any external applications referencing Pro-Watch registry keys will need to point to the new registry location. We are looking at implementing in the future a solution which will utilize XML for this configuration data thus eliminating the need to reference new registry keys.

## Release Notes

### Pro-Watch Software Suite

#### Release 7, Patch 7714

Patch 7714 resolves the following issues in Pro-Watch Software Suite, Release 3.7

## Vista Integration

- Unexpected Vista events no longer result in a Pro-Watch Server crash. (TT#6968)

## Reports

- Reports scheduled to Print and Export now do so without error. (TT#7042, TT#6827)
- Changing to a different region no longer creates an error on Access Reports. (TT#7041)
- Operator Log and Database Audit Reports can now be scheduled to print successfully. (TT#7040)
- Under certain conditions the Deferred Access report could be listed twice. This has been addressed. (TT#7010)
- Corrected problem which led to an error message being displayed when using the Event Log report and selected the “Channel” field and a “Custom Badge data” field. (TT#6942)
- The wrong data is no longer displayed in the channel column when using a “Custom Badge data” field in the Event Log report. (TT#6941)
- The list box search by last name in the Event Log Report is now functional. (TT#6739)

## Imprivata Interface

- The database has been optimized to support the integration to Imprivata’s Physical/Logical Access solution. (TT#7077)

## Vindicator

- The badging icon can be removed via a registry change to support the use of the Vindicator Badge Manager. (TT#6950)



## Panel Issues

- Added new setting – “Enable Forced Door Filter” to PW-5000 Reader Advanced Settings tab. This addresses erroneous forced door alarms on Magnetic Lock doors. (TT#6949)
- PW-2000 Monitorable Inputs can now be masked during a time zone. (TT#6905)
- Star II inputs no long generate alarms or events when in a time zone shunt period. The status monitor does still show the input state. (TT#6723)

## Badging

- Issue Dates in Badging are now set to 1 second after midnight by default to give the ability to assign access in 1 day increments. (TT#6547)
- Corrected issue that prevented Flashbus video capture cards from initializing properly. (TT#6895)
- When editing Server Options for a specific customer (Amgen, Inc.) the Blob Type definition setting no longer reverts to default. (TT#6865)
- In an Enterprise automatic card expiration now occurs with respect to the time zone of the region in which the card resides. (TT#6216)

## Honeywell Video Manager

- Removed error message generated by accessing the Video Device tab on a new logical device. (TT#6940)
- Recorded video now plays back properly from the Event Viewer. (TT#6970)
- 'Default Select Camera' and 'Default Auto Camera' under "Define Default Video Information" are renamed now to 'Default Select CCTV CameraView' and 'Default Auto CCTV CameraView' for backward compatibility. Either 'Default Select CCTV CameraView' or 'Default Select Camera' can be configured. The higher priority is given to 'Default Select CCTV Camera View. (TT#6973)

- Preference is now given to the camera mapped through 'Default Video information tab' when both this and Video tab are configured with cameras. (TT#6975)
- When selecting a video event in the Alarm Monitor the playback time is based on the settings in the video devices page. (TT#6979)
- Toggle to and from full screen mode on video from the Alarm Monitor and Event Viewer now functions properly. (TT#6989, TT#7015)
- Fixed problem with Preset calls. (TT#6993)
- Fixed problem that prevented a CCTV commands to Start recording and Enable Video Motion Detection from executing. (TT#6997, TT#6998)
- Video loss alarm is now generated when appropriate. (TT#7001)
- Newly created Pro-Watch Users are now properly propagated to the Honeywell Video Manager Server and vice versa. (TT#7013, TT#7020)
- The Upload Workstation function now works properly. (TT#7021)
- Under Database Configuration in the Default Events dialog, Monitor is now available as a resource type. (TT#7023)

## Miscellaneous

- Corrected issue that prevented the display of Event Numbers higher than 1999. (TT#7048)
- Corrected problem that could cause Event Triggers created prior to Build 7696 to fail to function properly. (TT#7047)
- When using the alarm monitor the "Expire date" column no longer shows a date of 11/30/1999 on non-card events. (TT#6890)
- Fixed problem that created a database error when re-ordering columns in the Alarm Monitor by editing Alarm Pages in Database Configuration. (TT#6479)
- Release 5 Archive files can now be restored using the Legacy Restore application. (TT#6886)
- Required Microsoft file MSSTDFMT.dll has been included in the patch file.
- Audit Log now displays deleted Badge names. (TT#6365)

## Release Notes

### Pro-Watch Software Suite

#### Release 7, Patch 7696

Patch 7696 adds the following new features to the Pro-Watch Software Suite, Release 3.7

#### Honeywell Video Management System

- Pro-Watch is now integrated with the Honeywell Video Management System.

#### Microsoft Vista Business Edition

- Pro-Watch Professional Edition is now supported on Windows Vista Business Edition.
- Pro-Watch Corporate and Professional Edition Client Workstations are now supported on Windows Vista Business Edition.

#### Vindicator V5

- Pro-Watch can now receive, store and report on events from Vindicator V5 Access Control Systems and Intrusion Detection Systems.

#### Pro-Watch Enterprise on Microsoft SQL 2005

- Pro-Watch Enterprise now supports Microsoft SQL 2005

## Event Viewer

- The Event Viewer now has a pause button. (TT#6296)

Additionally, this patch resolves the following known issues in Pro-Watch Software Suite, Release 3.7

## PW-2000 Panels

- A problem with using Split Time Zones with more than 4 site codes has been resolved. (TT#6960)

## Event Processing

- Modified Event Processing to increase the reliability of maintaining transaction data in the event of a problem with database connectivity. (TT#6919)
- Modified Event Log report to prevent table locks to the Event Log table. (TT#6900)

## Reporting

- Searches on Custom Badging Fields in the Badge Holder Summary report now work as expected. (TT#6901)
- The Badge Holder Summary Report now correctly passes report parameters associated with Custom Badge Fields to Scheduled Reports. (TT#6045)
- The Badge Holder Summary Report now correctly handles filtering on Card Status. (TT#6889)
- The Operation Log report can now reference Archived Data. (TT#6899)
- When filtering on Logical Device the Event Log report now utilizes the Unique Identifier for the Logical Device rather than the name of the Logical device. (TT#6387)

## Clearance Codes

- The speed at which clearance codes can be modified particularly when dealing with a high number of logical devices has been improved. (TT#6894)

## DVM

- DVM Camera ID's over 100 are no longer truncated. (TT# 6871)
- Corrected issue with limited AXIS241Q Streamer to 4 Presets (TT#6430)

## Miscellaneous

- Copying and Pasting data within Pro-Watch now functions as expected. (TT#5977, TT#4534 and TT#4404)

## Release Notes

### Pro-Watch Software Suite

#### Release 7, Patch 7650

Patch 7650 adds the following new features to the Pro-Watch Software Suite, Release 3.7

#### Live Trace

- The ability to trace transactions by card or reader

## Historical Trace

- The ability to view past transactions by card or reader

## Vicon DVR

- Support for the Vicon Kollektor Elite 120 DVR is now available within Pro-Watch

## User Configurable Legal Banner

- Pro-Watch now has the ability to optionally display user supplied text upon the start up of the client that requires the user's agreement to proceed.

## User Class Dialog

- Added a field to allow a second line of description to be entered.

## System Options

- Added a check box to System Options which when selected prevents non-numeric characters from being entered into the Card Number field.

Additionally, this patch resolves the following known issues in Pro-Watch Software Suite, Release 3.7

## Elevator Control

- Elevator Clearance codes are now saved properly upon creation. (TT# 6307, 6845)

## Badging

- Corrected issue which prevented cards from terminating correctly on build 7421. (TT#6389)
- Corrected issue which could cause cards to be denied access due to invalid time zones (TT#6826).
- Dates entered into user created date fields in Badging now explicitly set a time of 0:00:00 in order to provide uniform reporting.

## SEEP Panels

- Corrected issue which resulted in orphaned forced door alarms in the Alarm Monitor (TT#6709)
- Corrected problem with downloading access codes to SEEP Panels under Microsoft SQL Server 2005.

## Fusion DVR

- Improved Pro-Watch's capacity to handle multiple Fusion DVR devices at the same time.

## Release Notes

### Pro-Watch Software Suite

#### Release 7, Patch 7581

Patch 7581 adds support for Pro-Watch Lite to the Pro-Watch Software Suite, Release 3.7.

## Release Notes

### Pro-Watch Software Suite

#### Release 7, Patch 7580

Patch 7580 resolves the following known issues in Pro-Watch Software Suite, Release 3.7.

#### Vista Intrusion Panel Support

- Support for Vista Intrusion Panels is now available within Pro-Watch.

#### Microsoft SQL Server 2005 Support

- Support for Microsoft SQL 2005. Reference the Pro-Watch Microsoft SQL 2005 Database installation guide for more detail.

#### Topaz Signature Pad Support

- The Topaz signature pad is now integrated into Pro-Watch. Its drivers must be installed separately (sigplus.exe). Users should select SigLite LCD 4X3 (T-L750) for tablet type and HSB for tablet's connection type when running the install program. The device supports the printing and previewing of EMF badge signatures.

#### PW-5000/PW-6000 Panels



- Upgrading from earlier versions of R7 will no longer force card downloads to every panel. This was previously being caused by the changeover from 32bit to 64bit cards. Now, patches 7456-7499, which were already set to be 64-bit, will remain 64-bit on upgrade, and other versions of R7 will remain 32-bit on upgrade. A checkbox in server options will allow the user to change that, giving the user adequate warning as to the card downloads that are required if the option is changed. (TT #6766)
- Card downloads / Host Grants no longer result in panel syntax errors on a PW6000. (TT #6776)
- Host grant in progress (Event 613) now work properly for newly added PW-5000 readers.

## Pro-Watch Badging

- “Bulk Add” and “Bulk Modify” now give user-friendly error messages if they attempt to violate unique field constraints.
- If the user attempts to add a badge to a badging database that has a unique field, and the default value for the unique field is the same as the value for a currently existing badge, Pro-Watch will not add the badge, and identify the offending field & badge.
- If the user attempts to modify an existing badge such that a unique field is modified to be identical to another existing badge, Pro-Watch will not save the changes that have been made, and will instead display a dialog box informing the user of this. This dialog box will be similar to the dialog box displayed in the comparable situation of a required field not being filled in.
- Users will now be able to scroll beyond their initial list of badge holders. (TT #6448, TT #6335)
- To ease terminal server usage, when printing a badge with an image or signature, Pro-Watch will now use a unique name for its temporary files.

## SEEP Panels

- Pulsing SEEP hardware is no longer presented as an option. (TT #6050)
- Corrected an issue that resulted in PW believing a user has entered an area when he or she presents his card, but does not actually go through the door. Note - This only occurred in host mode on SEEP hardware. (TT #6702)

## CCTV Issues

- CCTV Camera views can no longer be deleted if they are related to a CCTV command. Also CCTV channels can't be deleted if camera views exist on those channels. (TT #6607)
- The users that are currently registered as badgers are highlighted in the user configuration screen. (TT #6593)
- CCTV monitors can no longer be deleted if a CCTV command depends on it.

## Miscellaneous Changes

- The user will now be able to show live video from a .wmf or .bmp map. The "Call Intercom" and "Show CCTV view" functions are also now available. (TT #6732)
- The minutes entered for timed override are no longer associated with a card number. (TT #6042)
- The mustering report now has a column for company.
- Adding multiple time zones to a panel now works correctly. (TT #6725, TT#5958)
- Copy and pasting a hardware template will now correctly copy Matrix and Watchtower fields, and those fields will get correctly inherited when a logical device is instantiated from that hardware template. (TT #6701, TT #6795)
- Inactive cards no longer negatively affect download speed. (TT #6708)
- The Logical devices added to a clearance code table CLEAR\_L can now be audited.
- An event's OK button is no longer grayed out prior to visiting RTN page. (TT #6311)
- The description edit box under areas is now a size appropriate to the number characters that can be entered into it. (TT #2807)

## Release Notes

### Pro-Watch Software Suite

#### Release 7, Patch 7499

Patch 7499 resolves the following known issues in Pro-Watch Software Suite, Release 3.7.

## SEEP Panels

- SEEP panel anti-passback settings are now immediately updated upon a change to area settings. (TT #6693)
- There is now a transaction tab on the SEEP panel, covering panel events only from which the user can now print. (TT #6680). It does not include events generated from sub-hardware.
- SEEP building modes can now be selected under event triggers.
- Added ability for anti-passback to respect whether a Door Position Switch was used or not on SEEP panels in Local Mode. (TT #6418)
- Manually locking a Star I reader now results in the correct status display. (TT #6590)
- SEEP panels now support multiple areas, but only via deferred mode.
- Added ability to mask held/forced door alarms on Star 1 and 4100 panels.

## DVM

- DVM camera events no longer stop being displayed after a service restart. (TT #6665)
- The RTN description for the DVM events new to R7 Patch 7580 is no longer empty. (TT #6611)

## Miscellaneous Changes

- Corrected problem which displayed database errors upon copying and pasting a hardware template. (TT #6695).
- The Audit Log display under administration no longer displays only NULLS. (TT #6429) Note - the EV\_LOG and AUDIT\_LOG screens under administration only display the last day's worth of data.

- Printing from the logical device and panel transaction tabs now works properly. A time-out value can be set in the registry.
- User and class partition functionality will display the class grant, grant, or revoke appropriately, and will not affect other user or class partitions.
- Improved download speed for company edits in which clearance codes are assigned or de-assigned.
- There is now a Modify Clearance Code Permission available under Badge Maintenance. This permission allows the ability to modify Clearance Codes to be granted while denying other Badge Maintenance privileges. To do so, grant this privilege and revoke Update Privileges under Badge Maintenance. With this set, clearance codes are modified by right clicking on the card to be modified and selecting Properties, then the Clearance Code tab in the resulting dialog.
- A user with the Modify Clearance Code permission can edit a card by double clicking on the card.
- Company name has been added as a column in the mustering screen. (TT #6570)
- Modified Badge Detail report to handle more custom badge fields, subject to the table limit constraints in Microsoft SQL Server.
- Reports now respect partitions.

## **Release Notes**

### **Pro-Watch Software Suite**

#### **Release 7, Patch 7481**

Patch 7481 resolves the following known issues in Pro-Watch Software Suite, Release 3.7.

- The PW-5000 reconnect issue observed at certain sites was fixed. (TT #6675)

## Release Notes

### Pro-Watch Software Suite

#### Release 7, Patch 7480

Patch 7480 resolves the following known issues in Pro-Watch Software Suite, Release 7 and adds additional functionality as specified.

#### Fusion DVM

- Support for Pro-Watch events tied to Fusion clips. Clip playback is tied to event time.
- Pro-Watch now supports Fusion presets tied to Pro-Watch alarms.
- Added support for the following new events occurring on a DVM server:

##### Video Server Events

Video Server Status OK – Event 118

Video Server Status Failed – Event 119

Video server Status Unknown – Event 120

Video DB Server Status OK – Event 121

Video DB Server Status Failed – Event 122

Video DB Server Status Unknown – Event 123

Video DB Server Failed Over – Event 124

##### Video Camera Events

Camera Disabled (RTN) – Event 755

Camera Disconnected (RTN) – Event 756

Camera Status OK – Event 757

## Camera Status Failed – Event 758

## Camera Status Unknown - Event 759

- Fusion clips now no longer run together when not contiguous in time. (TT #6583)
- Fusion date search now finds all clips in range searched. (TT #6582 & TT #6578)
- Multiple identical clips no longer returned from a clip search. (TT #6580)
- Fusion clips now respect end time. (TT #6406)
- Removed sources of some observed Fusion application crashes. (TT #6576 & TT #6510)
- Memory leaks from Fusion reduced.
- The pre-event video should be displayed on a Fusion clip playback when appropriate. (TT #6613)

## Data Transfer Utility

- A DTU issue introduced by changing the issue level size resulting in error messages appearing in the log file has been resolved. (TT #6573)

## Miscellaneous Changes

- Single card downloads are now processed quicker and are less resource intensive.
- Fixed a bug which prevented access to reader 1 on Sub Panel 25 on a PW5000. (TT #6585)
- Fixed database errors occurring in Deferred Access.
- Deleting a clearance code in such a way to deny access will no longer result in an extra grant on the Star II. (TT #6603)
- Audit log archives now restore properly. Note: this works only for recent archive logs (from the last couple years.) Restoring Audit logs created on builds prior to Build 6796 (Patch 0331) will require manual manipulation of the database. (TT #6601)

## Release Notes

### Pro-Watch Software Suite

#### Release 7, Patch 7456

Patch 7456 resolves the following known issues in Pro-Watch Software Suite, Release 3.7.

#### Badging

- Existing profile fields will not become read-only on an upgrade.
- There is no longer a database error when editing a badge without a badge type. (TT #6424)
- Fixed problems related to capturing an image in badging using TWAIN cameras. (TT #6456)
- Resolved issue which caused a crash when printing an image after importing the image in badging. (TT #6469)
- Date fields and other data types now print and preview properly on cards.
- Editing a card belonging to a badge holder without a badge type no longer produces an error (TT #6334)

#### Reports

- Error messages no longer appear in the deferred access report and the area attendance report. (TT #6457, TT #6458)
- The option to sort results by channel in the Event Log report is now present. (TT #6463)
- Badge Holder Access to a Logical Device now has "Company" as a sorting option. (TT #5834)
- Logical Device Access by a Badge Holder now has "Company" as a sorting option.
- When exporting the BadgeDetail report, there is no longer an error as a result of hitting the back button.

#### Fusion DVM

- Selecting an item in the clip list while having CCTV view open no longer results in a crash as a result of changes to DVM. (TT #6474)

- Users can now play back recorded video on either supported version of DVM. (TT #6164)
- Fusion playback speed is no longer overly fast. (TT #6360)

## Data Transfer Utility

- Corrected problem with handling delimited files by ensuring the correct DTU dlls are distributed. (TT #6516)
- Users will now have no problem in creating a DTU profile. (TT #6468)
- Fixed problem which prevented users from copying a DTU profile. (TT #6454)
- DTU imports can now be repeated without error. (TT #6502)
- The DTU now supports, but is not by default delivered with, the new Real-Time DTU component.

## PW-5000 Panels

- A change to support PW5K firmware 2.090's handling of panel triggers was added. (TT #6487)
- The patch correctly updates nc\_net.dll to version 18.
- The algorithm to determine the maximum card limit in the PW-5000 is now more accurate.
- Fixed entry delay issues on PW-5000. (TT #5962)
- Added code and configurable options to handle PW5K offlines.

## Miscellaneous Changes

- Single card downloads now work regardless of the presence and/or absence of the Handkey Geometry blob.
- Daylight savings time is supported properly in the four main U.S. time zones, in light of the new congressional rules.
- The ability to add partitions to sites, channels, panels or logical devices has been restored. (TT #6326)
- Corrected issue which resulted in panel offlines on PW-2000s. (TT #4884)
- A problem with downloading card formats to the Star 2 was fixed. (TT #4723, TT #4817, TT #5586)



- Hardware classes now sort alphabetically under a site. (TT #3893)
- Stentofon intercoms now have a range of 1-9999, rather than 1-99.
- COM Ports can now number up to a maximum value of 199. (TT #6358)
- Added full support for MATRIX panels.
- Assigning or de-assigning a logical device to a clearance code is now more efficient. (TT #6384)
- Added the ability to map custom card status values to “Local Grant In Progress”, “Local Grant Used”, and Invalid Issue Level”. (TT #6285)
- Clarified the message a user sees when the number of available badging licenses has been exceeded. (TT #6281)
- Reduced enterprise traffic by keeping last swiped card information from being replicated.
- If a user's panel is set to differentiate between presenting a card and actually moving through a door, the mustering screen will now update appropriately, whether it is local or host grant. (TT #6415)
- Improved Pro-Watch Badging's support of Canon cameras.

## Release Notes

### Pro-Watch Software Suite

#### Release 7, Patch 7424

Patch 7424 resolves the following known issues in Pro-Watch Software Suite, Release 3.7.

#### Honeywell DVM

- DVM now produces events and clips with cameras at ports up to 9999, rather than 99. (Ref. TT6407)

## General Changes

- Number of ports listed in PW3000 panel configuration screen for panels created using the new wizard now lists 2, rather than 3.
- Release 7 will now operate under Demo mode.