

HONEYWELL INFORMATION, NEWS, AND TIPS



DECEMBER 2021

In This Issue

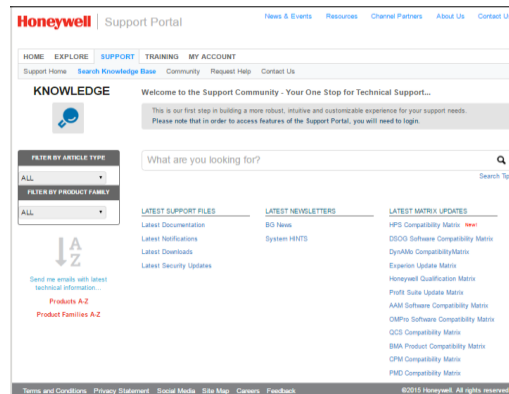
Contents

- 2022 Honeywell Users Group Conferences.....2
- Honeywell Forge Operations Management R244.1 Release.....3
- Release Announcement – Experion Backup and Restore R520.....4
- Product Announcement: Emergency Operator Console4
- VMware vSphere 7 Support – Next Generation Premium Platform and Premium Platform HD 5
- System Inventory Tool (SIT) R300.1 Offered6
- What is SIT and Why is it Needed?9
- HPS Priority Notifications.....12
- Products Revisions and Support Status.....13

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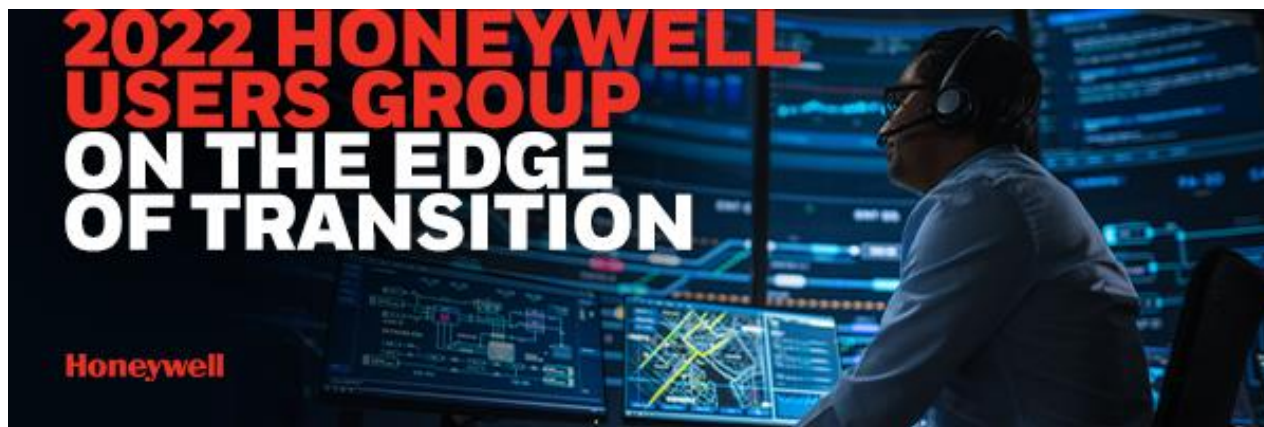
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2022 Honeywell Users Group Conferences



ON THE EDGE OF TRANSITION - this is the 2022 Honeywell Users Group Conferences theme. The world is changing fast and so are its demands. We find ourselves in the midst of an era where the focus must be not only on performance, yet on a successful transition to a livable world. A world we all want to make better by challenging the traditional, and focusing on connected, more sustainable solutions. Join us in Orlando May 23-26, for the Honeywell Users Group Americas Symposium at JW Marriott Grande Lakes Orlando, Florida, USA Or join us October 24-27 at Marriott Madrid, Spain, for the Honeywell Users Group EMEA Conference.

Why not share your story? The Steering Committee is looking forward to your papers. Share your Honeywell solution or implementation success, during the 45th in-person Honeywell Users Group Americas Conference, and we will waive your conference registration fee- this advantage can save you up to 1,295 USD! Your presentation can be industry or solution specific. Feel free to fill out your details and abstract online before April 8, [see the Agenda page: call for papers](#).

And or for any further inquiries feel free to contact: usersgroup@honeywell.com 2022 Honeywell Users Group Americas Symposium organizational team on behalf of the Steering Committee.

Honeywell Forge Operations Management R244.1 Release



We are pleased to announce the availability of Honeywell Forge Operations Management R244.1

This release addresses these Key Features:

- Improved capacity & display call-up performance enhancements.
- Instruction Limit Detail – Arithmetic expression support.
- Contextual task creation from Monitoring deviations.
- New OPC aggregates support such as “Rate of change” & Input data range check-in Target Monitoring.
- Additional background process for long duration backfill & standardized backfill/catchup settings for deviation processing.
- UX improvements with status messages for deviation processing troubleshooting.
- Dynamic inclusion & exclusion of tasks to logbook reports in addition to the type filter support
- URL & attachments support for the snippet, snippet group & report templates in Logbook shift reports.
- Link to cross shift summary report as part of the notification content.

Please find additional details on the [SCN](#).

Release Announcement – Experion Backup and Restore R520

Experion Backup and Restore (EBR) R520 is now available for ordering.

Based on Acronis Cyber Protect v15, EBR 520 is supported with Experion PKS R50x, R51x, and R520 releases and is available for both virtualized and physical Experion PKS systems.

Please refer to the EBR R520 Software Change Notice for a list of supported node types and applications.

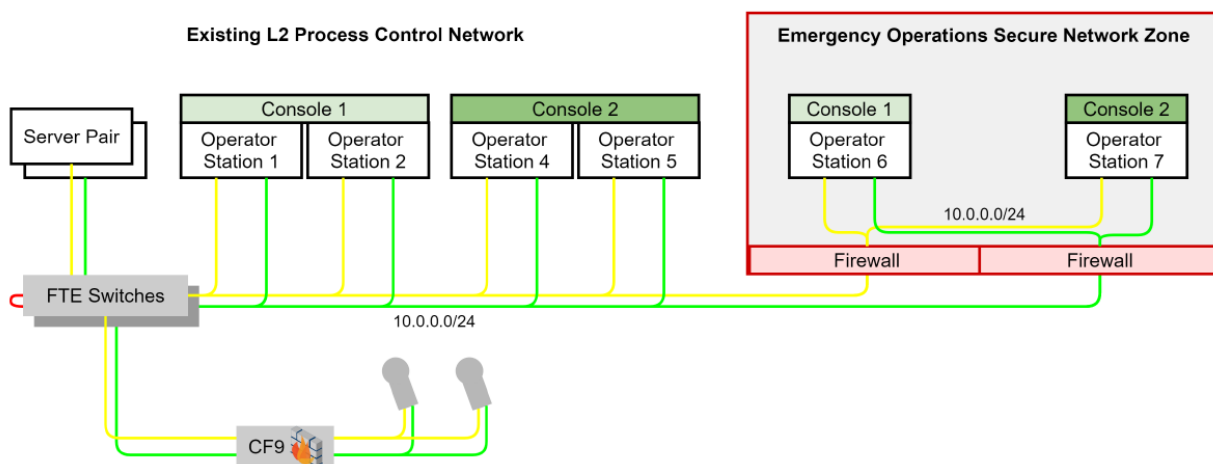
Product Announcement: Emergency Operator Console

What is the Emergency Operator Console?

The Emergency Operator Console (EOC) is a new solution from Honeywell that provides an operator station to be used in the event a control system console station is compromised with a virus, malware, or ransomware; this solution allows the customer to resume operations with a secure console station.

The EOC station is installed in an industrial strength hardened “Emergency Operations Security Zone” behind a special configured firewall that allows only minimal communication for controller access, with no Windows domain access, and running significantly restricted Microsoft Windows security profiles.

An ideal solution would be to add one additional EOC per operator console position or operating area in the Emergency Operations Security Zone to provide emergency operations capability for the required areas.



Please ask your Honeywell account manager for more details.

VMware vSphere 7 Support – Next Generation Premium Platform and Premium Platform HD

vSphere 7 is now qualified for the Next Generation Premium Platform and Premium Platform HD.

This release is applicable to all Dell PowerEdge FC630, FC640, and FC430-based Premium Platform chassis and provides a tested package of hypervisor, firmware, and driver updates.

Please refer to these resources for additional information:

- Software Change Notice
 - <https://www.honeywellprocess.com/library/support/Documents/Experion/EVIR420.1-Update2-SCN.pdf>
- Virtualization with the Premium Platform User Guide
 - https://www.honeywellprocess.com/library/support/Documents/Experion/Virtualization%20with%20the%20Premium%20Platform_EPDOC-X455-en-G.pdf
- Software Package Download Datasheet

<https://www.honeywellprocess.com/library/support/software-downloads/Experion/EVIR420-1-Update2.pdf>

System Inventory Tool (SIT) R300.1 Offered

The System Inventory Tool (SIT) R300.1 is now offered for download from the System Inventory Tool Landing Page. This self-service tool can be installed on Experion PKS R400.8 or newer systems to scan the inventory details of the entire system, including the network as well as Cisco switches and associated nodes at predefined intervals. The tool generates an inventory file that users upload to the Support Portal to see their inventory details in a logical and graphical overview. The inventory file is also employed to support Honeywell's automated online contract renewal process.

Provided at no cost for all Honeywell customers, both contracted and non-contracted, the SIT runs in the background and will not impact control system performance.

Once the SIT has completed its scan, a .cab file is created and then either the Honeywell technician or the customer uploads the inventory file to the System Inventory Portal. The portal will display the licensed software sourced from Honeywell, shipped hardware sourced from Honeywell, and inventoried asset data collected by the SIT.

New with R300.1:

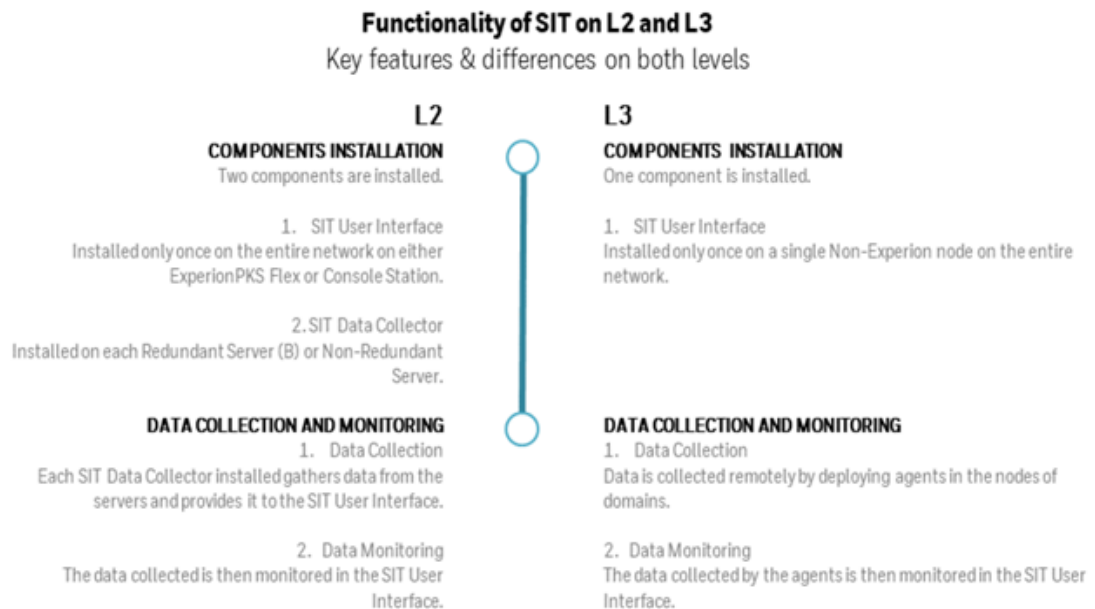
- Advanced solution support on Level 3 (L3)
- Additional support for QCS
- Support for Experion PMD
- Collect inventory for all network switches supported by Experion
- Improvements to the diagnostic tools to quickly detect and report on SIT failures (includes SAT and device discovery)
- Reworked device discovery
- Progress meter during the collection phase
- Profit Suite (APC) support
- Control Performance Monitor CX support
- Control Performance Monitor standard support
- Profit Blending Suite support
- Profit Movement Suite support
- DynAMo Alarm Management Suite support
- Uniformance Asset Sentinel support
- Matrikon OPC Servers support (see Appendix A for full list)
- UniSim Competency Suite support on L3

Appendix A

Matrikon Data Manager
Matrikon Desktop Historian
Matrikon OPC Server for GE Turbines
Matrikon OPC Funnel
Matrikon OPC Security Gateway
Matrikon OPC Server for Allen Bradley
Matrikon OPC Server for APACS Direct
Matrikon OPC Server for BACNet
Matrikon OPC Server for Bailey DCS [Infi 90]
Matrikon OPC Server for Citect
Matrikon OPC Server for Foxboro DCS
Matrikon OPC Server for GDA [ODBC]
Matrikon OPC Server for GE PLCs
Matrikon OPC Server for IEC 61850/61400-25
Matrikon OPC Server for IP21
Matrikon OPC Server for Johnson Controls N2
Matrikon OPC Server for KNX
Matrikon OPC Server for LonWorks LNS
Matrikon OPC Server for MarkV Direct
Matrikon OPC Server for MarkVI Direct
Matrikon OPC Server for Mitsubishi PLCs
Matrikon OPC Server for Modbus
Matrikon OPC Server for Moore APACS (API)
Matrikon OPC Server for Omni Flow Computers
Matrikon OPC Server for Omron
Matrikon OPC Server for OpenBSI
Matrikon OPC Server for ProRAE
Matrikon OPC Server for Provox (Direct)
Matrikon OPC Server for ROC
Matrikon OPC Server for RS3 RNI
Matrikon OPC Server for SCADA DNP3
Matrikon OPC Server for SCADA IEC 60870
Matrikon OPC Server for SCADA Modbus
Matrikon OPC Server for SCADA MOSCAD
Matrikon OPC Server for Siemens PLCs
Matrikon OPC Server for SNMP
Matrikon OPC Server for Vestas
Matrikon OPC Server for Wonderware InSQL (Wonderware Historian)
Matrikon OPC Server for Wonderware Intouch
Matrikon ORB
Matrikon OPC UA Tunneller - UA Proxy Component / UA Proxy
Matrikon OPC UA Tunneller - UA Wrapper Component / UA Wrapper

Installation

The SIT R300.1 is a standalone installation, and therefore is not integrated with the Experion R511 media package. While the SIT can be installed on Level 2 (L2) and Level 3 (L3), the installation and configuration on both levels are independent of each other. As such, users can choose to install the tool on either or both levels, depending on their control system requirements.



Information for R230 Users

Users who have installed the R230.1, R230.2 or R230.3 versions of the SIT should upgrade to R300.1 to ensure they have the latest support from Honeywell (unless they are currently running Experion R3xx.x, which is not supported by SIT R300.1). During the upgrade, their current SIT configuration will be retained.

Experion Compatibility

SIT Version	Supported Experion Version
R200.1	R301, R310, R400 and R430
R200.2	R301, R310, R400 and R430
R200.3	R301, R310, R400 and R430
R210.1	R3xx.x to R510
R210.2	R3xx.x to R510
R220.1	R3xx.x to R510

QCS Compatibility

QCS Architecture Version	Experion PKS Layer	System Inventory Tool Release Support
RAE1xx	None	
RAE2xx	None	
RAE3xx	None	
RAE4xx	R101/201/210	No support
RAE5xx	R300/301/310/311	No support
R6xx	R 400.8	R300.1
R7xx	R5xx	R300.1

R230.1	R3xx.x to R510
R230.2	R3xx.x to R510
R230.3 (SIT patch must be installed on 32bit systems after R230.3 installation)	R400.8 to R511
R300.1	R400.8 to R515

What is SIT and Why is it Needed?

Overview

The SIT provides a comprehensive system inventory documentation solution to support Honeywell’s contract renewal process. The tool enables customers to complete their yearly contract renewal online through an automated system, better manage risk, prepare for any migrations, and ensure compliance and continuous evolution of their control system.

The SIT collects asset data, which is then hosted in a secure Honeywell data center where the customer can view all their control system asset information (both hardware and software) through the System Inventory Portal. And, best of all, the tool is provided free of charge by Honeywell for all contracted and non-contracted sites and does not require an SESP contract or Assurance 360 service agreement.

Automated online contract renewals and more

The SIT was developed to support online contract renewals. Gone are the days of the laborious task of manually reviewing contract renewal worksheets, trying to track changes via emails and phone calls, and providing results in a timely manner. No more lost notes or questions such as, “What did we do last year?” All updates and notes regarding asset quantities will be captured in the tool and carried forward year after year, making future contract renewals faster and easier.

But contract renewals are just once a year—what else can you do with the tool?

Better management of risks

With the SIT, users are able see all control system assets by each MSID in the Honeywell System Inventory Portal. With this view, product support status is shown for each asset. Do you know if your control system is using outdated equipment or assets, and is no longer supported by Honeywell? Finding answers like this is just a mouse click away in the portal.

When you can see all equipment in a single view via the online portal, you know exactly what hardware and software are running, what is outdated and where improvements could be made—thus better managing risk.

Compliance and continuous evolution of control systems

With the asset topology feature found in the System Inventory Portal, users have insight into the hardware components in each control system, thus avoiding lengthy delays to gather the right information when the system needs to be supported or expanded.

Today, control systems are more complex than ever before and there is limited information on how the different components need to interact. When the entire system can be visualized in one view, it increases awareness that leads to better decision-making.

Support for migrations

Customers have a budget for a migration, and in many cases, it's "use it or lose it." So, how will they know where best to invest in their control system?

As a user, can you quickly review every MSID design, topology, and product support status for every asset? If you've uploaded your inventory asset data file to the System Inventory Portal, all this and more are just a mouse click away. And did we mention it's free? That's right—Honeywell offers this to all our customers at no cost. No contract or service plan of any kind is required.

Quickly locate assets

All assets are listed by Site > MSID and user-defined system names, and because each system name is assigned to its respective MSID, finding systems is easy—even if you don't know the MSID name.

What can collected asset data tell you?

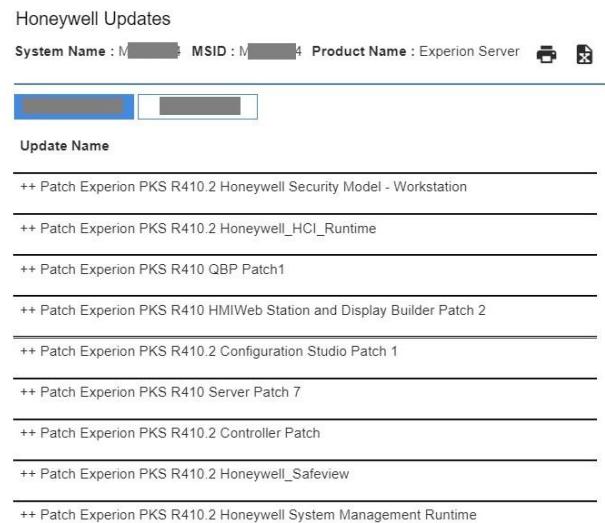
Keeping track of the patches and updates installed on servers and stations can be a time-consuming task. It requires logging into each server or node and checking through the control panel to see which patches and updates have been installed.

Now, if you've run the SIT and uploaded an asset inventory file to the portal, just click on the server or console station and a complete list of all installed applications, patches and updates will be displayed in an easy-to-read table.

Need to find out which version of boot firmware is installed on a C300 controller? Just click on the MSID, select the controller and a table will display everything you need to know. Want even more flexibility? Export the data to an Excel spreadsheet and sort it or create a pivot table for convenient viewing.

What data does the tool collect?

The SIT is designed to capture details of the existing system hardware and software versions, including servers, stations, controllers, I/O modules, node details, installed applications, and switch models.



The screenshot shows a web interface titled "Honeywell Updates". At the top, it displays "System Name : M [redacted] MSID : M [redacted] Product Name : Experion Server" with printer and refresh icons. Below this is a search bar with "Update Name" as a placeholder. A list of updates follows, each with a double-plus icon and a description:

Update Name
++ Patch Experion PKS R410.2 Honeywell Security Model - Workstation
++ Patch Experion PKS R410.2 Honeywell_HCI_Runtime
++ Patch Experion PKS R410 QBP Patch1
++ Patch Experion PKS R410 HMIWeb Station and Display Builder Patch 2
++ Patch Experion PKS R410.2 Configuration Studio Patch 1
++ Patch Experion PKS R410 Server Patch 7
++ Patch Experion PKS R410.2 Controller Patch
++ Patch Experion PKS R410.2 Honeywell_Safeview
++ Patch Experion PKS R410.2 Honeywell System Management Runtime

How can you view your data?

The System Inventory Portal allows customers and certain Honeywell account managers to see their account asset data. Within the portal, users can see all servers, stations, controllers, nodes, and switch hardware, as well as detailed information about each. Depending on which asset they're viewing, they can see the serial number, F/W, BIOS, installed software, support status, and much more.

To access the portal, go to honeywellprocess.com/support and login with the same credentials used when you registered.

Series C I/O

System Name : M-4 MSID : M-4

IO Link	Name	Model	Slot/Card#	Hardware Revision	Boot FW	App FW	Serial
23BIOLINK_1A	DI_HV_23	CC-PDIH01	23A	C	04.01.03	04.01.08	1-3
23BIOLINK_1A	DI_HV_19	CC-PDIH01	19A	C	04.01.03	04.01.08	1-5
23BIOLINK_1A	DO_24B_33	CC-PDOB01	33A	G	04.01.03	04.01.08	1-1
23BIOLINK_1A	DO_24B_32	CC-PDOB01	32A	G	04.01.03	04.01.08	1-3
23BIOLINK_1A	DI_HV_22	CC-PDIH01	22A	C	04.01.03	04.01.08	1-2
23BIOLINK_1A	DO_24B_31	CC-PDOB01	31A	G	04.01.03	04.01.08	1-8
23BIOLINK_1A	DI_HV_25	CC-PDIH01	25A	C	04.01.03	04.01.08	1-9
23BIOLINK_1A	DI_HV_24	CC-PDIH01	24A	C	04.01.03	04.01.08	1-6
23BIOLINK_1A	DI_HV_21	CC-PDIH01	21A	C	04.01.03	04.01.08	1-7

Not registered? No problem! Registration is free and takes less than a minute. Once you are registered, login and select the Support tab, then select the System Inventory tab.

Who can see your data?

All inventory data is viewable by only the customer, the customer's account manager, and Honeywell GTAC. In the event you call for support, GTAC can quickly get needed information such as F/W version, BIOS version, hardware rev, etc. No one else can ever see the data—not even other Honeywell employees.

What data are collected?

When you log into the System Inventory Portal, you will see a list of sites. Select a site and there are three icons: Licensed Software, Shipped Hardware, and Inventoried Assets.

Licensed Software	Shipped Hardware	Inventoried Assets
List of all licensed software shipped by Honeywell to the customer. Includes TPS BLDR, EBR, Experion PKS, GUS, PHD, and DOC 3000 licenses.	A complete list of every piece of hardware shipped by Honeywell to the customer, sorted by most recently shipped. Includes product part number, description, serial number, and date shipped.	Comprehensive list of all assets on each control system. Includes servers, stations, controllers, LCN nodes, and switches.

Used by customers worldwide

Today, Honeywell has over 900 sites worldwide using the SIT in more than 2,500 control systems. Many customers have reported that the tool is easily installed, runs flawlessly, and the time saved via the automated contract renewal process eliminated weeks of manual audit work. What used to be a tiresome and lengthy process can now be completed automatically, with 100 percent accuracy and in less than a day.

Helpful Links

[System Inventory Tool Download](#)

[System Inventory Tool Portal](#)

[System Inventory Web Portal Training](#)

[Frequently Asked Questions](#)

The System Inventory Tool and portal are available at <https://www.honeywellprocess.com/support>.

HPS Priority Notifications

HPS Priority Notifications are available under “Latest Notifications” in [the Support Community](#). Be sure to check back regularly as new content is continually added in the form of notifications, *Be Aware* newsletters, Knowledge Base articles, and updates.

Document Title	Product	Rel/Rev	Date Created
<u>UIO-2 repeated “OP Fail in circuit/field wire” alarms going ON/OFF may lead to AO channels showing as -6.9% or 106.9%.</u>	UIO-2 [CC-PUIO31]	Experion PKS R432.x; R50x.x; R51x.x;R520.1	12/14/2021
<u>PN2021-31 FSC-FSC signal to fault reaction during Online Modification</u>	FSC System	R801.1, R801.2, R801.3, R801.4	11/19/2021
<u>PN2021-29 Firmware version mismatch between QPP and USI after QPP module replacement</u>	Safety Manager	R13x, R14x, R15x	11/03/2021
<u>PN2021-28 Controller failure with incomplete Class Based Recipe configuration</u>	Experion PKS using CEE based controllers including; ACE, C200E, C300, UOC, vUOC, CM11GE, CM16300E	Experion PKS R410.X, R43X.X, R50X.X, R510.x, R511.1, R511.2, R511.3, R511.4	10/21/2021
<u>PN2021-26 HPM/EHPM Failure with 006F error code in TPN R688.6</u>	HPM, EHPM	TPN R688.6	10/12/2021

Products Revisions and Support Status

Latest Media Revision	Latest Patch/Update	Support Status	Functional Release - First Shipment Announcement	Software Product Category
Control Performance Analytics R110x	R110.1	Supported	2018-12	Standalone Software
Control Performance Analytics R111x	R111.1	Current	2020-04	Standalone Software
Control Performance Monitor R60x	R601.3	Supported	2018-05	Standalone Software
Control Performance Monitor R60x	R602.5	Supported	2020-02	Standalone Software
Control Performance Monitor R60x	R603.1	Supported	2020-10	Standalone Software
Control Performance Monitor R60x	R603.2	Current	2021-08	Standalone Software
ControlEdge 2020 R14x	R140.1	Supported	2017-04	Standalone Software
ControlEdge 2020 R15x	R151.1	Supported	2018-11	Standalone Software
ControlEdge 2020 R16x	R160.2	Supported	2019-12	Standalone Software
ControlEdge 2020 R16x	R161.1	Current	2020-04	Standalone Software
ControlEdge HC900 R60x	R600.1	Supported	2014-04	Standalone Software
ControlEdge HC900 R62x	R620.1	Supported	2016-09	Standalone Software
ControlEdge HC900 R63x	R630	Supported	2017-04	Standalone Software
ControlEdge HC900 R65x	R650	Supported	2018-06	Standalone Software
ControlEdge HC900 R66x	R660.2	Supported	2018-12	Standalone Software
ControlEdge HC900 R70x	R700	Current	2019-12	Standalone Software
ControlEdge PLC R15x	R151.1	Supported	2018-11	Standalone Software
ControlEdge PLC R15x	R152.1	Supported	2019-04	Standalone Software
ControlEdge PLC R16x	R160.2	Supported	2019-12	Standalone Software
ControlEdge PLC R16x	R161.1	Current	2020-04	Standalone Software
DynAMo Alerts & Notifications (A&N) R200	UA R321.2	Supported	2013-10	Standalone Software
DynAMo Documentation & Enforcement (D&E) R200	ACM R321.12	Supported	2016-05	Standalone Software
DynAMo Metrics & Reporting (M&R) R200	R202.1	Supported	2017-03	Standalone Software
DynAMo Metrics & Reporting (M&R) R210.1	R210.1	Current	2020-05	Standalone Software
DynAMo Operations Logbook (DOL) R23X	R230.2	Supported	2019-04	Standalone Software
DynAMo Operations Logbook (DOL) R24x	R244.1	Current	2020-04	Standalone Software
DynAMo Operations Monitoring (DOM) R23x	R230.2	Supported	2019-04	Standalone Software
DynAMo Operations Monitoring (DOM) R24x	R244.1	Current	2020-04	Standalone Software
Enabled Services (Unified Data Collector R110)	R110.1	Supported	2021-02	SaaS Offering
Enabled Services (Unified Data Collector R120)	R120.1	Current	2021-10	SaaS Offering
Experion Backup and Restore R50x	R500.1	Supported	2017-04	Software Package
Experion Backup and Restore R50x	R501.1	Supported	2017-04	Software Package
Experion Backup and Restore R50x	R501.2	Supported	2017-04	Software Package
Experion Backup and Restore R50x	R501.3	Current	2017-04	Software Package
Experion HS R41x	R410.1	Supported	2013-07	System Software
Experion HS R43x	R430.1	Supported	2015-03	System Software
Experion HS R50x	R500.3	Supported	2017-08	System Software

Experion HS R51x	R510.2	Supported	2018-09	System Software
Experion HS R51x	R511.1	Current	2018-09	System Software
Experion LS R30x	R300.1	Supported	2009-11	System Software
Experion LS R40x	R400.1	Current	2011-06	System Software
Experion LX R11x	R110.2	Supported	2014-09	System Software
Experion LX R12x	R120.1	Supported	2015-03	System Software
Experion LX R50x	R500.2	Supported	2017-11	System Software
Experion LX R51x	R510.2	Current	2018-11	System Software
Experion MX CD Controls R70x	R700.1	Supported	2017-03	Software Package
Experion MX CD Controls R70x	R701.2	Supported	2018-05	Software Package
Experion MX CD Controls R70x	R702.1	Supported	2019-06	Software Package
Experion MX CD Controls R70x	R703.1	Supported	2021-02	Software Package
Experion MX CDMV Controls R70x	R700.1	Supported	2017-03	Software Package
Experion MX CDMV Controls R70x	R701.1	Supported	2018-05	Software Package
Experion MX CDMV Controls R70x	R702.1	Supported	2019-06	Software Package
Experion MX CDMV Controls R70x	R703.1	Current	2019-06	Software Package
Experion MX MD Controls R70x	R700.1	Supported	2017-03	Software Package
Experion MX MD Controls R70x	R701.1	Supported	2018-05	Software Package
Experion MX MD Controls R70x	R702.1	Supported	2019-06	Software Package
Experion MX MDMV Controls R70x	R700.1	Supported	2017-03	Software Package
Experion MX MDMV Controls R70x	R701.3	Supported	2018-05	Software Package
Experion MX MDMV Controls R70x	R702.1	Supported	2019-06	Software Package
Experion MX MDMV Controls R70x	R703.2	Current	2021-08	Software Package
Experion MX/MXProLine R70x	R700.5	Supported	2017-03	System Software
Experion MX/MXProLine R70x	R701.4	Supported	2018-05	System Software
Experion MX/MXProLine R70x	R702.3	Supported	2019-06	System Software
Experion MX/MXProLine R70x	R703.1	Current	2020-12	System Software
Experion PKS R50x	R501.4	Supported	2017-01	System Software
Experion PKS R50x	R501.6	Supported	2017-01	System Software
Experion PKS R51x	R510.1	Supported	2018-08	System Software
Experion PKS R51x	R510.2	Supported	2018-08	System Software
Experion PKS R51x	R511.4	Supported	2018-08	System Software
Experion PKS R51x	R511.5	Supported	2018-08	System Software
Experion PKS R52x	R520.1	Current	2021-08	System Software
Fail Safe Controller R71x	R710.9	Supported	2011-07	System Software
Fail Safe Controller R80x	R801.4	Current	2014-10	System Software
Field Device Manager R50x	R500.1	Supported	2017-03	Standalone Software
Field Device Manager R50x	R501.4	Supported	2017-03	Standalone Software
Field Device Manager R51x	R511.5	Current	2019-09	Standalone Software
Forge Blending and Movement R520.y	R520.1	Current	2021-08	Software Package
Forge Cybersecurity Suite-Enterprise Core and Premium	R201.1	Supported	2020-06	Standalone Software
Forge Cybersecurity Suite-Enterprise Core and Premium	R203.1	Supported	2021-02	Standalone Software
Forge Cybersecurity Suite-Enterprise Core and Premium	R204.1	Current	2021-06	Standalone Software
Forge Cybersecurity Suite-Site	R201.1	Supported	2020-06	Standalone Software
Forge Cybersecurity Suite-Site	R203.1	Supported	2021-02	Standalone Software

Forge Cybersecurity Suite-Site	R204.1	Current	2021-06	Standalone Software
Honeywell Forge Inspection Rounds	R4	Supported	2021-07	Standalone Software
Honeywell Forge Inspection Rounds	R5	Current	2021-11	Standalone Software
Honeywell Forge Worker Assist	1.X	Current	2021-03	Standalone Software
Honeywell Forge Workforce Competency	R520.1	Current	2021-09	Standalone Software
Honeywell Trace R130	R130.1 Patch 2	Supported	2019-03	Standalone Software
Honeywell Trace R140	R140.1	Current	2020-06	Standalone Software
Immersive Competency	R100.1	Current	2018-07	Standalone Software
Integrated Automation Assessment R15x	R150.1	Supported	2018-02	Standalone Software
Integrated Automation Assessment R16x	R160.1	Supported	2019-12	Standalone Software
Integrated Automation Assessment R17x	R170.3	Current	2020-09	Standalone Software
OptiVision R540x	R540.1	Supported	2012-01	Software Package
OptiVision R541x	R541.2	Supported	2014-08	Software Package
OptiVision R600x	R600.2	Current	2019-10	Software Package
PlantCruise R10x	R100.3	Supported	2013-07	System Software
PlantCruise R11x	R110.2	Supported	2014-09	System Software
PlantCruise R12x	R120.1	Supported	2015-03	System Software
PlantCruise R50x	R500.1	Supported	2017-11	System Software
PlantCruise R51x	R510.2	Current	2018-11	System Software
PMD R90x	R900.2	Supported	2017-02	System Software
PMD R90x	R900.3	Supported	2020-10	System Software
PMD R91x	R910.2	Supported	2018-12	System Software
PMD R91x	R910.3	Current	2020-05	System Software
Predict-Amine	R4.0	Supported	2017-09	Standalone Software
Predict-Crude	R2.0	Supported	2015-09	Standalone Software
Predict-O&G	R7.1	Supported	2018-09	Standalone Software
Predict-Pipe	R5.0	Supported	2018-12	Standalone Software
Predict-RT	R140	Supported	2019-06	Standalone Software
Predict-SA	R2.0	Supported	2014-12	Standalone Software
Predict-SW (Sour Water)	R4.0	Supported	2018-12	Standalone Software
Procedure Analyst R41x	R410.0	Supported	2013-01	Standalone Software
Procedure Analyst R43x	R430.1	Supported	2015-06	Standalone Software
Procedure Analyst R50x	R500.2	Supported	2017-03	Standalone Software
Procedure Analyst R51x	R511.1 Patch 1	Current	2020-09	Standalone Software on Experion PKS Media
Process Safety Analyzer	R115	Supported	2017-06	Standalone Software
Process Safety Analyzer R200	R201.3	Current	2020-01	Standalone Software
Profit Blending and Movement R500.y	R500.2	Supported	2016-11	Software Package
Profit Blending and Movement R501.y	R501.3	Supported	2018-05	Software Package
Profit Blending and Movement R510.y	R510.3	Supported	2019-09	Software Package
Profit Suit R50x	R502.1	Supported	2019-12	Standalone Software
Profit Suit R51x	R510.1	Supported	2020-07	Standalone Software
Profit Suit R51x	R511.1	Current	2021-08	Standalone Software
Quality OptiMiser R540x	R540.1	Supported	2010-10	Standalone Software
Quality OptiMiser R550x	R550.2	Supported	2014-12	Standalone Software
Quality OptiMiser R560x	R560.1	Current	2017-11	Standalone Software

Risk Manager R170	R170.1 Patch 3	Supported	2018-03	Standalone Software
RTU2020 R11x	R110.1	Supported	2015-06	Standalone Software
RTU2020 R12x	R120.1	Supported	2016-05	Standalone Software
Safety Historian R20x	R202.1	Current	2014-03	System Software
Safety Manager R14x	R146.2	Supported	2010-05	System Software
Safety Manager R15x	R154.5	Supported	2012-04	System Software
Safety Manager R16x	R162.6	Current	2014-10	System Software
Safety Manager SC R20x	R201.2	Supported	2018-08	System Software
Safety Manager SC R210	R210.4	Supported	2020-60	System Software
Safety Manager SC R211	R211.1	Current	2021-08	System Software
Secure Media Exchange (SMX)	104.6	Current	2017-08	Standalone Software
Socrates	R10.0	Supported	2019-03	Standalone Software
Symphonite Integration and Analytics R200x	R200.2	Supported	2017-07	Standalone Software
Symphonite Integration and Analytics R201x	R201.2	Current	2020-01	Standalone Software
Symphonite Production Accounting & Reconciliation	R200.1	Supported	2015-08	Standalone Software
Symphonite Production Accounting & Reconciliation	R201.2	Supported	2015-08	Standalone Software
Symphonite Production Accounting & Reconciliation	R210.1	Current	2019-02	Standalone Software
Symphonite RPMS	R510.1.8	Supported	2018-12	Standalone Software
System Inventory Tool R22x	R220.1	Supported	2017-09	Standalone Software
System Inventory Tool R23x	R230.1	Supported	2018-05	Standalone Software
System Inventory Tool R23x	R230.2	Supported	2018-05	Standalone Software
System Inventory Tool R23x	R230.3	Supported	2018-05	Standalone Software
System Inventory Tool R30x	R300.1	Current	2019-09	Standalone Software
System Performance Analyzer R140	R140.1	Supported	2021-02	Standalone Software
System Performance Analyzer R150	R150.1	Current	2021-07	Standalone Software
Taiji PID 310x	R310.1	Supported	2016-01	Standalone Software
Taiji PID 320x	R320.1	Current	2021-04	Standalone Software
TCMI R10x	R100.5	Current	2017-11	System Software
TPN (AM) CLM R36x	R360.12	Supported	2002-01	System Software
TPN R685.x	R685.4	Supported	2016-02	System Software
TPN R686.x	R686.4	Supported	2016-10	System Software
TPN R687.x	R687.6	Supported	2018-02	System Software
TPN R688.x	R688.5	Supported	2019-01	System Software
TPN R688.x	R688.6	Supported	2019-01	System Software
TPN R690.x	R690.1	Current	2021-09	System Software
TPS (APP) CLM R20x	R200.2	Supported	2012-07	System Software
Uniformance Asset Sentinel R51x	R511	Supported	2017-10	Standalone Software
Uniformance Asset Sentinel R52x	R520.7	Supported	2019-07	Standalone Software
Uniformance Asset Sentinel R52x	R520.X	Supported	2019-07	Standalone Software
Uniformance Asset Sentinel R53x	R531.1	Supported	2020-08	Standalone Software
Uniformance Asset Sentinel R53x	R531.4	Current	2021-04	Standalone Software
Uniformance Executive R31x	R311.1	Supported	2018-03	Standalone Software
Uniformance Executive R32x	R320.1	Current	2018-09	Standalone Software

Uniformance Insight R20x	R200.1	Supported	2018-06	Standalone Software
Uniformance Insight R21x	R210.1	Supported	2019-09	Standalone Software
Uniformance Insight R22x	R220.1	Current	2020-09	Standalone Software
Uniformance KPI R12x	R121.1	Supported	2017-05	Standalone Software
Uniformance KPI R13x	R130.1	Supported	2018-03	Standalone Software
Uniformance KPI R13x	R131.1	Current	2019-11	Standalone Software
Uniformance PHD R34x	R340.1	Supported	2017-10	Standalone Software
Uniformance PHD R40x	R400.1	Supported	2019-06	Standalone Software
Uniformance PHD R41x	R410.1	Current	2021-03	Standalone Software
Uniformance Process Studio R32x	R322.2	Supported	2016-09	Standalone Software
Uniformance Process Studio R32x	R323.1	Current	2020-04	Standalone Software
UniSim Competency Suite	R470.1	Supported	2020-01	Standalone Software
UniSim Competency Suite	R471.1	Supported	2020-10	Standalone Software
UniSim Design	R461.1	Supported	2019-04	Standalone Software
UniSim Design	R470.1	Supported	2019-10	Standalone Software
UniSim Design	R471.1	Supported	2020-10	Standalone Software
UniSim Design	R480.1	Supported	2020-10	Standalone Software
UniSim Design	R481	Supported	2021-06	Standalone Software
UniSim Design	R490	Current	2021-11	Standalone Software
Web Order Services 54x	R540.1	Current	2014-08	Standalone Software

Note: Software releases not listed in the table are in “Phased Out” lifecycle status. The HPS Product Support Guide for Control, Safety and Monitoring Systems is available for download [here](#).

Only Latest and Latest-1 patches/updates are supported by GTAC at the defined support level for the software functional release.

Definitions:

“Software Package” means any HPS software product developed for the specific functional release of system software.

“Standalone Software” means any HPS software product developed for independent operation from a system software functional release.

“System Software” means machine-readable data and executable programs used to define the functionality of the HPS control system and standard hardware products, but does not include firmware, operating system, application software or other software products.