# Honeywell

## SYSTEM HINTS NEWSLETTER

# HONEYWELL INFORMATION, NEWS, AND TIPS



## In This Issue

## Contents

2022 Honeywell Users Group Conferences 2
Our new website is now 'LIVE'!
E-Learning Subscription Promotion4
Global Honeywell Academy Training Solutions 5
Universal Thin Client Operating System – ETCR300.2 Release6
Lifecycle Announcement – Da Vinci Quality Control System Model 4000 O-Frame Scanners
TPN R685.4 Release Phase-out Announcements6
New way to access the System Inventory Tool portal
System Inventory Tool (SIT) R300.18
What is the System Inventory Tool and why is it needed?9

#### Access and Subscribe to HINTS

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Quick Order

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 Solutions
 Support
 News & Events

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 Support Newsletters

8 Sign In

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# Monthly System HINTS Newsletter

The Honeywell Information, News and Tips (HINTS) monthly newsletter covers timely issues ranging from Honeywell Users Group and cybersecurity, to priority notifications, product releases and updates, and more.

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Honeywell Process Solutions is excited to announce its 2022 Honeywell Users Group Americas, which will take place May 23-26 at the JW Marriott, Grande Lake Orlando, Florida.

With presentations on topics such as process safety and security, sustainability, renewables, and cybersecurity, you'll learn how to make operations safer, more efficient and more profitable.

Also, we kindly remind you that the call for papers is open: do you have a story to tell the world?

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: take advantage of this opportunity to save up to \$1,295 USD!

See highlights brochure on the Agenda page at <u>Honeywell Users Group</u>

We look forward to meeting you at the Honeywell Users Group Americas Symposium on May 23-26 at JW Marriott Grande Lakes Orlando, Florida, USA.

For any further inquiries feel free to contact: <u>usersgroup@honeywell.com</u>

## Our new website is now 'LIVE'!



Now, more than ever, industrial end-users are hungry for digital innovation in their interactions with technology suppliers. These expectations will only rise, as businesses rely on the resources provided by digital tools.

We support today's digital journey by offering a new, optimized online experience to our customers around the world. We are therefore excited to announce that our new <u>Honeywell Process Solutions</u> (<u>HPS</u>) website is now live!

Our enhanced website with sleek and intuitive navigation provides quick and simple access to the solutions you need. You will also benefit from seamless e-commerce capabilities and easier access to your account information.

Honeywell is with you on your journey to a digital future. Explore our new website!

#### https://process.honeywell.com

Your current login credentials will continue to work and as part of our commitment to keep your data secure, a login validation step has been added.

#### Learn More

We have prepared <u>short demo videos</u> and an overview document that provides additional information on how to get the most from the new features. To access the document, please sign in and search for Knowledge article 000128466 entitled "MyHPS Overview for Honeywell Process Solutions Customers."

**Product Notification Subscriptions** 

One of the features of the current website that will not be immediately available is personalized notifications service. We are replacing this with a new feature that will be available in a future release. We will continue to send out notifications of all the latest documents published to the site but this will be a generic communication and not product/release specific. To subscribe to this service please login and visit the newsletters page within the Support section.

What Can Be Expected in the Future?

Our commitment to improve our digital tools does not stop here, further releases are planned throughout the year that will introduce additional features such as integrated e-commerce, order status/history, chat bots, configurators as well as enhanced support and notification services.

Need Help? Please contact our support team who will be on hand to assist you with any issues or questions. <u>hpsweb@honeywell.com</u>

## **E-Learning Subscription Promotion**

As a part of the E-Learning Subscription Service launch promotion, Honeywell Academy is pleased to offer one-week free access to following Modular Training courses:

EXP-7001-MT Experion PKS System Overview

EXP-7003-MT Experion PKS C300 Controller Overview

EXP-7005-MT Experion PKS - TPS Integration Overview

EXP-7013-MT Experion PKS Alarm Shelving Configuration

EXP-7038-MT Experion PKS C300 Controller Checkpoint Configuration

EXP-7048-MT Experion PKS HMIWeb Display Shape Sequence Implementation

EXP-7062-MT Experion PKS Checking Migration Readiness

EXP-7073-MT Experion PKS Server Redundancy Implementation

EXP-7082-MT Experion PKS Diagnostic Studio Usage

QCS-7001-MT QCS SE System Overview

This offer requires and active user license/base installation to redeem.

Please follow below link and complete the Sign-Up form to be contacted about this offer.

E-Learning Subscription Promotion (honeywell.com)

## **Global Honeywell Academy Training Solutions**

# GLOBAL HONEYWELL ACADEMY TRAINING SOLUTIONS

Global Honeywell Academy's latest learning technology ensures that you and your organization continue to meet your Learning & Development goals. Our training solutions offer a wide range of courses allowing you to complete your planned training program now:

- Virtual Instructor-Led Training (VILT)
- Asynchronous Training (AT)
- Blended Learning (BL)
- In-Center Training
- On-Site Training

You may also be interested in our latest training solution of modular, flexible, on-demand and topicbased learning – <u>Modular Training (MT)</u>. View <u>Demo</u>.

Please visit our web site for training schedules:

- e-Learning: <u>https://process.honeywell.com/us/en/services/training/course-list?filters=elearning%2FYes</u>
- In-Center: <u>https://process.honeywell.com/us/en/services/training/course-list?filters=elearning%2FNo</u>

Contact Honeywell Academy for more details and/or enrollment:

- 1. For Americas-Canada-Latin America: <u>HPSTrainingUSCANLAR@Honeywell.com</u>
- 2. For Europe-Middle East-Africa: <u>HPS-Training-EMEA@honeywell.com</u>
- 3. For Asia Pacific: <u>HPS-Training-India@honeywell.com</u>

For other inquiries, please reach out to your Honeywell local Account Manager for assistance.

## Universal Thin Client Operating System – ETCR300.2 Release

Universal Thin Client Operating System release ETCR300.2 is now available. Based on the Honeywell-customized, security-hardened Linux distribution which has been specifically developed for use with Experion PKS, this release adds Fault Tolerant Ethernet (FTE) and Orion Console support for supported Honeywell thin client devices.

The Universal Thin Client Operating System provides:

- Comprehensive central management capabilities
- Fault Tolerant Ethernet support
- Connectivity for up to four displays
- IKB/OEP peripheral support
- Furniture mounting support for the Honeywell Classic, Z/EZ, ICON, and Orion Consoles

The Universal Thin Client operating system is available as an option for new Wyse 5070 thin clients purchased from Honeywell, and an upgrade kit is also available for conversion of previously installed Honeywell 5070 and Z90 thin client hardware variants.

For more information, refer to the <u>HPS Virtualization Specification</u> or contact your local Honeywell account team.

## Lifecycle Announcement – Da Vinci Quality Control System Model 4000 O-Frame Scanners

Legacy parts support will be provided until the end of 2029 for Da Vinci model 4000 scanners which have been upgraded with a model Q4610-00 or Q4610-50 Universal Precision Measurement Processor (UPMP). This applies to the following scanner models sold between 1999 and 2012: 4000, 4000-IPMP, 4000-10, 4000-20, 4000-21, 4000-MX, 4000-RPMP, and 3-4000-GH.

Without the UPMP upgrade, these scanners will be dependent on obsolete components which can no longer be supplied as spare parts, and their ongoing support and/or operation cannot be guaranteed.

Please contact your Honeywell Account Manager to discuss how to best migrate your specific Quality Control System configuration to Legacy or Full support solutions.

## TPN R685.4 Release Phase-out Announcements

TPN R685.x functional release was Introduced in February 2016.

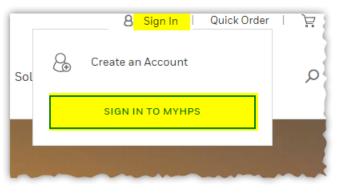
Product lifecycle phases and software support durations are defined by the Standard Product Support Guide as per Customer Resource Manual Tab PD23.

Due to expiration of the 72 months support period for system software functional releases, TPN R685.4 will be transitioned to Phased-out lifecycle phase effective March 01, 2022.

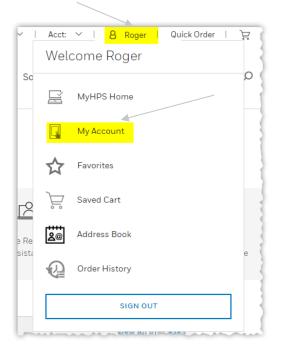
## New way to access the System Inventory Tool portal

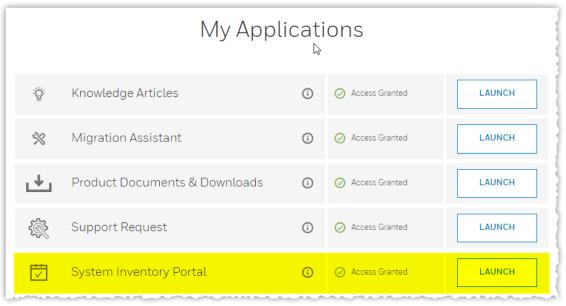
Honeywell has launched the new process.Honeywell.com website with an exciting new look and feel. One of the many new changes is how the user accesses the System Inventory Portal. Please follow the below steps to access the portal.

- 1. Go to <u>https://process.honeywell.com</u>
- 2. Sign in



3. Select your name and My Account





This will now take you to the System Inventory Tool portal. The portal has not changed.

## System Inventory Tool (SIT) R300.1

The System Inventory Tool (SIT) R300.1 is 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.

#### Installation

The SIT R300.1 is a standalone installation, and therefore is not integrated with the Experion 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				
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				

QCS Compatibility						
QCS Architecture Version	Experion PKS Laver					
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				

## What is the System Inventory Tool 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.

After the data is collected, it is uploaded to the System Inventory Tool portal, available at <u>https://process.honeywell.com</u>, go to your account and select System Inventory Portal as shown in the instructions in above.

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.

Honeywell Updates	
System Name : M SID : M SID : M Product Name : Experion Server 🖶 🛐	
Update Name	
++ Patch Experion PKS R410.2 Honeywell Security Model - Workstation	
++ Patch Experion PKS R410.2 Honeywell_HCI_Runtime	5
++ Patch Experion PKS R410 QBP Patch1	2
++ Patch Experion PKS R410 HMIWeb Station and Display Builder Patch 2	6
++ Patch Experion PKS R410.2 Configuration Studio Patch 1	
++ Patch Experion PKS R410 Server Patch 7	8
++ Patch Experion PKS R410.2 Controller Patch	e.
++ Patch Experion PKS R410.2 Honeywell_Safeview	12000
++ Patch Experion PKS R410.2 Honeywell System Management Runtime	C

## 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.

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.

ystem Name : M	4			MSID :		ē 🖻		
IO Link	Name	Model	Slot/Card#	Hardware Revision	Boot FW	App FW	Serial	
236IOLINK_1A	DI_HV_23	CC-PDIH01	23A	С	04.01.03	04.01.08	1	3
236IOLINK_1A	DI_HV_19	CC-PDIH01	19A	С	04.01.03	04.01.08	1	5
236IOLINK_1A	DO_24B_33	CC-PDOB01	33A	G	04.01.03	04.01.08	1	1
236IOLINK_1A	DO_24B_32	CC-PDOB01	32A	G	04.01.03	04.01.08	1	3
236IOLINK_1A	DI_HV_22	CC-PDIH01	22A	С	04.01.03	04.01.08	1	2
236IOLINK_1A	DO_24B_31	CC-PDOB01	31A	G	04.01.03	04.01.08	1	8
236IOLINK_1A	DI_HV_25	CC-PDIH01	25A	С	04.01.03	04.01.08	1	3
236IOLINK_1A	DI_HV_24	CC-PDIH01	24A	С	04.01.03	04.01.08	1	5
236IOLINK_1A	DI_HV_21	CC-PDIH01	21A	С	04.01.03	04.01.08	1	7

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

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 obtain 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 is 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.

## 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 R120)	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 Backup and Restore R52x	R520.1	Current	2021-12	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	R703.2	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	R702.4	Supported	2019-06	System Software
Experion MX/MXProLine R70x	R703.2	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
		- PAGE 13 -		

Forge Cybersecurity Suite-Site	R203.1	Supported	2021-02	Standalone Software
Forge Cybersecurity Suite-Site	R204.1	Current	2021-06	Standalone Software
HFAM   Alarm Performance Optimizer	R1.0.0	Current	2021-10	Standalone Software
Honeywell Forge Inspection Rounds	R5	Supported	2020-07	Standalone Software
Honeywell Forge Inspection Rounds	R7	Current	2021-11	Standalone Software
Honeywell Forge Worker Assist	3.X	Current	2021-10	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	Stadalone 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 Blending and Movement R520.1	R520.1	Supported	2021-07	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 R540xR540.1Supported2010-10Standalone SoftwarQuality OptiMiser R550xR550.2Supported2014-12Standalone SoftwarQuality OptiMiser R560xR560.1Current2017-11Standalone SoftwarRisk Manager R170R170.1 Patch 3Supported2018-03Standalone SoftwarRTU2020 R11xR110.1Supported2016-05Standalone SoftwarRTU2020 R12xR120.1Supported2016-05Standalone SoftwareSafety Historian R20xR202.1Current2010-05System SoftwareSafety Manager R14xR146.2Supported2012-04System SoftwareSafety Manager R15xR154.5Supported2012-04System SoftwareSafety Manager R16xR162.6Current2018-08System SoftwareSafety Manager SC R20xR201.2Supported2018-08System SoftwareSafety Manager SC R210R210.4Supported2020-60System SoftwareSafety Manager SC R211R210.1Current2021-08System SoftwareSafety Manager SC R211R210.4Supported2017-08Standalone SoftwareSafety Manager SC R211R210.4Supported2017-08Standalone SoftwareSafety Manager SC R211R210.4Supported2017-08Standalone SoftwareSafety Manager SC R210R210.4Supported2017-08Standalone SoftwareSafety Manager SC R210R210.4Supported2017-08Standalone Software </th
Quality OptiMiser R560xR560.1Current2017-11Standalone SoftwarRisk Manager R170R170.1 Patch 3Supported2018-03Standalone SoftwarRTU2020 R11xR110.1Supported2015-06Standalone SoftwarRTU2020 R12xR120.1Supported2016-05Standalone SoftwarSafety Historian R20xR202.1Current2014-03System SoftwareSafety Manager R14xR146.2Supported2010-05System SoftwareSafety Manager R15xR154.5Supported2014-10System SoftwareSafety Manager R16xR162.6Current2014-10System SoftwareSafety Manager SC R20xR201.2Supported2018-08System SoftwareSafety Manager SC R210R210.4Supported2020-60System SoftwareSafety Manager SC R211R211.1Current2021-08System SoftwareSafety Manager SC R211R211.1Current2021-08System SoftwareSafety Manager SC R210R210.4Supported2021-08System SoftwareSafety Manager SC R211R211.1Current2021-08System SoftwareSafety Manager SC R211R211.1Current2021-08System SoftwareSafety Manager SC R211R211.1Current2021-08Standalone Software
Risk Manager R170R170.1 Patch 3Supported2018-03Standalone SoftwarRTU2020 R11xR110.1Supported2015-06Standalone SoftwarRTU2020 R12xR120.1Supported2016-05Standalone SoftwareSafety Historian R20xR202.1Current2014-03System SoftwareSafety Manager R14xR146.2Supported2010-05System SoftwareSafety Manager R15xR154.5Supported2012-04System SoftwareSafety Manager R16xR162.6Current2014-10System SoftwareSafety Manager SC R20xR201.2Supported2018-08System SoftwareSafety Manager SC R210R210.4Supported2020-60System SoftwareSafety Manager SC R211R211.1Current2021-08System SoftwareSafety Manager SC R211R211.1Current2017-08Standalone Software
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Socrates R10.0 Supported 2019-03 Standalone Softwa
Symphonite Integration and AnalyticsR200.2Supported2017-07Standalone SoftwareR200x
Symphonite Integration and AnalyticsR201.2Current2020-01Standalone SoftwarR201x
Symphonite Production Accounting & R200.1 Supported 2015-08 Standalone Softwa
Reconciliation
Symphonite Production Accounting & R201.2Supported2015-08Standalone SoftwaReconciliation
Symphonite Production Accounting & R210.1         Current         2019-02         Standalone Softward
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Symphonite RPMSR510.1.8Supported2018-12Standalone Software
System Inventory Tool R22xR220.1Supported2017-09Standalone Software
System Inventory Tool R23xR230.1Supported2018-05Standalone Software
System Inventory Tool R23xR230.2Supported2018-05Standalone Software
System Inventory Tool R23xR230.3Supported2018-05Standalone Software
System Inventory Tool R30xR300.1Current2019-09Standalone Software
System Performance Analyzer R140R140.1Supported2021-02Standalone Software
System Performance Analyzer R150R150.1Current2021-07Standalone Software
Taiji PID 310xR310.1Supported2016-01Standalone Software
Taiji PID 320xR320.1Current2021-04Standalone Software
TCMI R10xR100.5Current2017-11System Software
TPN (AM) CLM R36xR360.12Supported2002-01System Software
TPN R685.xR685.4Supported2016-02System Software
TPN R686.xR686.4Supported2016-10System Software
TPN R687.xR687.6Supported2018-02System Software
TPN R688.xR688.5Supported2019-01System Software
TPN R688.xR688.6Supported2019-01System Software
TPN R690.xR690.1Current2021-09System Software
TPS (APP) CLM R20xR200.2Supported2012-07System Software
Uniformance Asset Sentinel R51xR511Supported2017-10Standalone Software
Uniformance Asset Sentinel R52xR520.7Supported2019-07Standalone Software
Uniformance Asset Sentinel R52xR520.XSupported2019-07Standalone Software
Uniformance Asset Sentinel R53x R531.1 Supported 2020-08 Standalone Softwa

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	R460.1	Supported	2018-01	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 following link below

#### HPS PRODUCT SUPPORT GUIDE FOR CONTROL, SAFETY AND MONITORING SYSTEMS

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.