

HONEYWELL INFORMATION, NEWS, AND TIPS



MAY 2019

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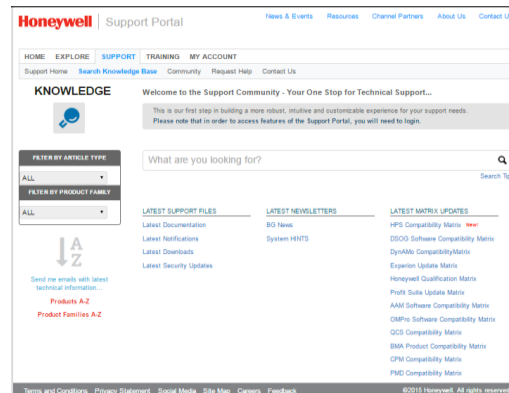
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For questions or comments related to the HINTS newsletter, please write to [HPS System HINTS](mailto:HPS.System.HINTS).



Learn to Enable Continuous Innovation Of Your Control System at HUG Americas 2019

Today's industrial organizations must be able to continuously innovate to improve productivity, reliability and safety. Honeywell solutions enable this transformation by leveraging a firm control system foundation and reducing lifecycle costs. Attend the 2019 Honeywell Users Group (HUG) Americas on June 9-14 at [The Hilton Anatole, Dallas, Texas](#), to learn how to make your operations their best and gain a competitive edge in the industry.

Honeywell Lifecycle Solutions and Services (LSS) will be presenting a host of migration-, automation-service-, and support-related sessions at HUG. Key topics will include:

- Honeywell technology presentations highlighting Experion LCN and ControlEdge™ migration updates, Experion® innovations, outcome-based service offering like Assurance 360, and Honeywell Trace for confident decision-making
- Training and workshops featuring migration best practices and new applications, practical use cases for Honeywell Trace, and the latest tools and capabilities for controlling system configuration management
- Roundtables featuring migration automation planning and HMI migration
- Six customer presentations describing successful project implementations using the latest innovative solutions
- Demonstrations, Consulting Corner and Spotlight Sessions allowing attendees to engage in more detail according to their specific requirements

Don't miss the Assurance 360 Customer Forum on Thursday, June 13. You can also take advantage of our special **Honeywell Trace offer**, exclusive for HUG attendees.

Don't Wait – Register Today

For details on Honeywell Users Group, please visit www.honeywellusersgroup.com.

We look forward to seeing you in Dallas!

Experion Compatibility with TPN Releases

In addition to sharing Experion compatibility with TotalPlant™ Network (TPN) systems, we are providing the required TPN release to enable Experion features. For example, Experion R43x/R500.x is compatible with TPN R652.2 (or later), however you would require R683.2 (or later) when using HMIWeb displays.

Compatibility with specific TPN releases:

The following table indicates the compatibility between the Experion (ESVT, ES-T, ACE-T) and TPN releases.

Experion Release Series	Minimum TPN System Software
R201, R21x, R301.x	TPN R641.2
R31x.x, R400.x, R410.x, R430.x, R431.x, R432.x, R500.x	TPN R535.1 or later R5xx releases in this series. TPN R652.1 (see Experion features requirements for more details) or later R6xx releases in this series.
R501.2, R510.2	TPN R535.1 (or later R5xx) – no longer supported TPN R686.4 without ELCN/EUCN TPN R687.3 (or later) with ELCN/EUCN
R501.4, R511.1	TPN R688.1 (or later) with ELCN/EUCN

Experion features vs TPN releases:

In order to use some Experion features, later versions of TPN are required for proper integration. They are enumerated here:

This version of TPN Software Release	Is required for this functionality	Notes:
TPN R688.1	ELCN Phase 2	Experion R501.4, R511.1
TPN R687.3	Enhanced local area network (ELCN), Triconex communication module interface (TCMI)	For TCMI capability ULM R301.17 is also required. A minimum of Experion R501.2 is required for ELCN functionality.
TPN R686.4	Enhanced Network Bridge (ENB)	ULM R301.16 is also required. For Experion Direct Connection capability (optional license), a minimum of Experion R432.2/R500.2 is required
TPN R685.1	EUCN Part 2 (i.e. Peer-to-Peer from C300 Controllers to EHPM Controllers)	ULM R301.12 is also required.
TPN R685.3	EUCN Part 2b (i.e. automatic NIM point import to Experion database)	ULM R301.14 is also required.
TPN R685.3	Experion Hiway Bridge (EHB)	EHB is supported for On-Process Migrations starting R431.
TPN R685.1	The ability to load Sequence Programs from the Experion Detail Display	Functionality will give warning message if attempted to be used from an earlier TPN version.
TPN R683.2 (or later)	Fully functioning integration for HMI Web TPS Detail Displays	Experion R410.x (or later) is also required.
TPN R684.2 (or later)	EUCN Part 1 (ENIM/EHPM) Functionality	ULM R301.11 (or later) is also required.
TPN R681.x (or later)	Proper Integration of Selective Contact Cutout functionality	Experion R311.x (or later) is also required.
TPN R680.1 (or later)	Not displaying disabled alarms on Flex Stations.	Experion R310.x (or later) is also required.
TPN R680.1 (or later)	To allow the "Option to display Uncertain Quality for TPS points" functionality.	Option found in TPN Server component configuration.

The Utilities & Load Module Media (ULM) contains (among other things) the EST and ESVT load modules, which are necessary for proper Experion integration.

Note: It is crucial to have the version of the ULM that matches your version of Experion software to ensure proper integration. Listed below are specific features and their versions.

Utilities & Load Module Media (ULM) requirements:

- ULM version for Experion R410.x is R301.9
- ULM) version for Experion R430.x/ Experion R431.x is R301.12
- ULM version for Experion R432.x/ Experion R500.x is R301.16
- TULM) version for Experion R501.x is R301.19

This version of the EST Load Module	Is required for this functionality	Notes:
EST.LO load module version 68.9 (or later)	Required for Experion Console Enable/Disable Functionality	Functionality introduced in Experion R500 and later
EST.LO load module version 68.1 (or later)	Required for "Message clear required" functionality	Also supported on TPN R53x.x with EST.LO load module version 53.2 (or later)
EST.LO load module version 68.5 (or later)	Required for the TPS System Status Indicator (S) and TPS Console status indicator (C) on the Experion Station status bar	Currently not supported in TPN R53x.x.

For full EUCN vs. Experion vs. TPN release compatibility, refer to the "EUCN" tab in the latest "Experion Update Matrix" spreadsheet, which is available on honeywellprocess.com.

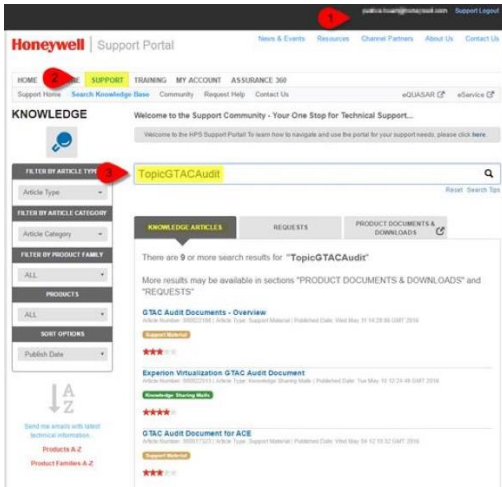
Experion Virtualization Audit Checklist Document

The Experion Virtualization Technical Audit Document has been updated with recent findings and lessons learned.

Instructions for download:

Once logged in to www.honeywellprocess.com, go to the Support Section, search for "Virtualization and Audit" and then select "Experion Virtualization GTAC Audit Document," (article 65434).

GTAC is using the TOPICS feature in the Knowledge Base to cluster similar articles. For all GTAC audit documents, the topic name to be used is "TopicGTACAudi." When you search for this topic, it will return all other GTAC Audit documents (see example below).



Files can be downloaded from the Attachment section of the article. If you have problems accessing the Support Portal, send an email to HPSWebSupport@Honeywell.com to have your credentials verified.

Experion Client-Server Technical Audit Document

The Experion Client-Server Audit Document has been updated with important lessons learned since the last release of the technical audit document.

Version:	Date:	Modification:
43	May 2019	Updated Check 56 Updated check 7 – 1000 folders in hist archive on Experion R51x Added Check 89

Deliverables:

- Audit_ClientServer_rev43.pdf
- GTAC_CS_Companion_rev43.zip
- Word document: Audit_ClientServer_rev43.doc

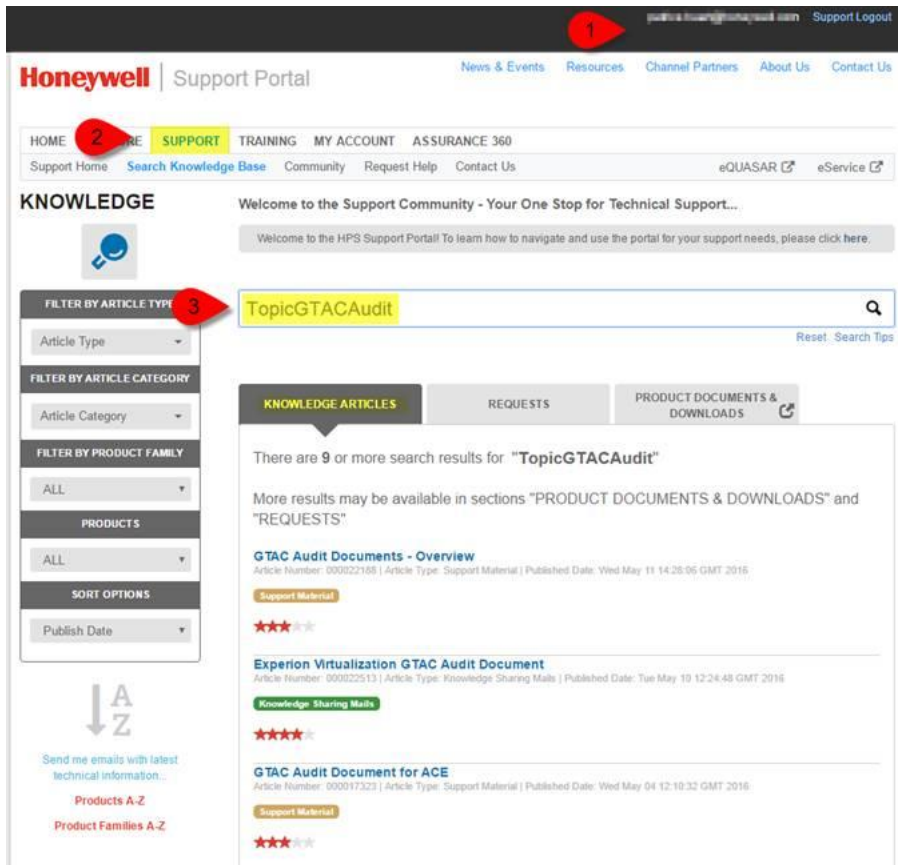
List of all GTAC Technical Audit documents:

Article #	Audit Document Title	Experion Scada	Experion with CDA points	Experion with TPS points	Experion with CDA and TPS points	EAS/RESS/Eservers
65350	Experion Server Client GTAC Audit Document	x	x	x	x	x
65389	Experion Network GTAC Audit Document	x	x	x	x	x
65349	EBR GTAC Audit document	only when using EBR	only when using EBR	only when using EBR	only when using EBR	only when using EBR
65322	GTAC Audit Document for Experion PKS Controllers		x		x	
65302	GTAC Audit Document for ACE		only when using ACE		only when using ACE	
65191	GTAC HMIWEB Audit Document	x	x	x	x	x
65346	Experion TPS Integration audit document			x	x	
65176	PHD Experion Link GTAC Audit document	only when using PHD	only when using PHD	only when using PHD	only when using PHD	only when using PHD
65434	Experion Virtualization GTAC Audit Document	only when using Experion Virtualisation	only when using Experion Virtualisation	only when using Experion Virtualisation	only when using Experion Virtualisation	only when using Experion Virtualisation
65131	Experion Orion Console and Thin Client Audit Document	only when using Orion Console or Wyse thin client	only when using Orion Console or Wyse thin client	only when using Orion Console or Wyse thin client	only when using Orion Console or Wyse thin client	only when using Orion Console or Wyse thin client

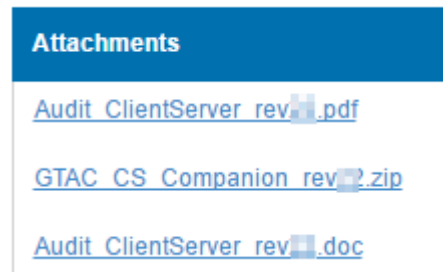
Instructions for download:

Once logged in to www.honeywellprocess.com, go to the Support Section, search for “Client Server and Audit” and then select “Experion Server Client GTAC Technical Audit Document” (article [65350](#)).

GTAC is using the TOPICS feature in the Knowledge Base to cluster similar articles. For all GTAC audit documents, the topic name to be used is “[TopicGTACAudit](#).” When you search for this topic, it will return all other GTAC Audit documents (see example below).



Files can be downloaded from the Attachment section of the article as showed below:



Honeywell System Inventory Tool - What is It, and Why Do I Need It?

Overview

The Honeywell [System Inventory Tool](#) provides a comprehensive system inventory documentation solution to support Honeywell's contract renewal process. The tool enables our 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 System Inventory Tool collects asset data, which is then hosted in a secure Honeywell data center where the customer can view all their control system asset data (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 System Inventory Tool 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 over 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 System Inventory Tool, you have the ability to see all your 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 no longer supported by Honeywell? Finding out answers like this is just a mouse click away in the portal.

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

Compliance and Continuous Evolution of Your Control System

With the asset topology feature found in the System Inventory Portal, you'll 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, systems are more complex than ever before and there is limited information on how the different components need to interact. When you can visualize your entire control system in one view, you increase awareness that leads to better decision-making.

Migrations

You have a budget for a migration, and in many cases, it's "use it or lose it." So, how will you know where best to invest in your control system? 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 is 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 you choose is assigned to its respective MSID, finding your systems is easy – even if you don't know the MSID name.

What Can the Collected Asset Data Tell Me?

Keeping track of the patches and updates you've installed on your 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 System Inventory Tool and uploaded your 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 know 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.

Honeywell Updates

System Name : M [redacted] MSID : M [redacted] Product Name : Experion Server  

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

What Data Does the Tool Collect?

The tool 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. Please see the table on page 3 for more information.

How Do I View My Data?

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

Series C I/O

System Name : M [redacted] MSID : M [redacted]  

IO Link	Name	Model	Slot/Card#	Hardware Revision	Boot FW	App FW	Serial
236IOLINK_1A	DI_HV_23	CC-PDIH01	23A	C	04.01.03	04.01.08	13
236IOLINK_1A	DI_HV_19	CC-PDIH01	19A	C	04.01.03	04.01.08	15
236IOLINK_1A	DO_24B_33	CC-PDOB01	33A	G	04.01.03	04.01.08	11
236IOLINK_1A	DO_24B_32	CC-PDOB01	32A	G	04.01.03	04.01.08	13
236IOLINK_1A	DI_HV_22	CC-PDIH01	22A	C	04.01.03	04.01.08	12
236IOLINK_1A	DO_24B_31	CC-PDOB01	31A	G	04.01.03	04.01.08	18
236IOLINK_1A	DI_HV_25	CC-PDIH01	25A	C	04.01.03	04.01.08	13
236IOLINK_1A	DI_HV_24	CC-PDIH01	24A	C	04.01.03	04.01.08	15
236IOLINK_1A	DI_HV_21	CC-PDIH01	21A	C	04.01.03	04.01.08	17

Security

The System Inventory Tool does not collect any sensitive data. That means no IP addresses or customer information is ever collected. The data collected is strictly related to the assets (e.g., BIOS version, f/w version, model number, serial number, h/w version, and other asset-only related data). All data is safeguarded by TLS 1.1 or higher security, and protected by the Honeywell Data Governance team.

The System Inventory Tool runs as a low-priority Windows Service Event, which means it will throttle down or even pause if other Windows Events need to take priority. What this means is the tool will not put a burden on your control system, nor adversely affect the performance of the network.

Who Can See My 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. Nobody 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 your 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 Throughout the World

Today, Honeywell has over 900 sites worldwide using the System Inventory Tool in more than 2,500 control systems. Many customers have reported that the tool is easily installed, runs flawlessly, and that the time saved via the automated contract renewal process saved them weeks of manual audit work. What used to be a tiresome, drawn-out process can now be completed automatically, with 100% 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 www.honeywellprocess.com/support.

<https://www.honeywellprocess.com/library/marketing/notes/System-Inventory-Tool-What-is-it-and-why-I-should-be-using-it.pdf>

Safe for Use in Your Control System

The [System Inventory Tool](#) is a self-service tool that HPS customers install on an Experion Flex or Console Station, along with data collectors on the Experion B Server (or non-redundant node) to collect asset data at level 1 and level 2, which is used to support Honeywell's automated online contract renewal process.

The inventory tool generates an inventory file (.cab) that either the user or Honeywell Field Support Specialist uploads to the secure System Inventory Portal where the customer can see their inventory details in a logical and graphical overview.


But is the tool safe on my control system? The System Inventory Tool runs as a low-priority Windows Service Event, which means it will throttle down or even pause if other Windows Events need to take priority. As such, the tool will not put a burden on the control system, nor adversely affect the performance of the network or control system.

The System Inventory Tool does not collect any sensitive data. No IP addresses or customer information is ever collected. The data collected is strictly related to the assets (e.g., BIOS version, f/w version, model number, serial number, h/w version, and other asset-only related information).

From January 2018 to February 2019, there was a 56 percent increase in System Inventory Tool adoption worldwide for contracted sites, with almost 900 sites now using the tool without incident. In fact, many customers have reported that the tool installation was straight-forward, the tool runs without incident, and the time saved via the automated contract renewal process saved them weeks of manual audit work. What used to be a tiresome, drawn-out process can now be completed automatically, with 100% accuracy, and in less than a day.

When it comes to the performance impact on a running control system, the following table summarizes typical system configuration CPU usage and time to complete. As you can see, CPU impact is typically in the single-digit percentage, and the time to process data is minimal. Keep in mind, time to process will vary based on the size of the control system; number of nodes; and number of controllers, switches, servers and stations.

System Inventory Tool Security

-  **Does not collect sensitive data**
No IP addresses, MAC addresses, or any sensitive network information
-  **Cybersecurity**
Secure authentication on HoneywellProcess.com
Enhanced security and support via TLS 1.1 or higher
-  **Honeywell Data Governance team**
Data access highly restricted and protected via
Encrypted two-factor authentication

Node type	System configuration	Average additional % CPU used	Time to complete audit	Number of PCs being audited
ESVT – Server B	<ul style="list-style-type: none"> Dell PowerEdge R710 server (8) Processors: Intel(R) Xeon(R) CPU E5620 @ 2.40GHz Speed: 2,394 12 GB RAM 	Negligible	7 minutes 52 seconds to 11 minutes 33 seconds	4 PCs – Server, ACE, Console Station, Flex Station
ESVT - Server A	<ul style="list-style-type: none"> Dell PowerEdge R710 server (8) Processors: Intel(R) Xeon(R) CPU E5620 @ 2.40GHz Speed: 2,394 12 GB RAM 	4.8% – 8.9%	1 minute 40 seconds to 2 minutes 56 seconds	
EST	<ul style="list-style-type: none"> Dell Precision T5500 workstation (4) Processors: Intel(R) Xeon(R) CPU X5570 @ 2.93GHz Speed: 2,926 3 GB RAM 	2.7% – 6.5%	1 minute 23 seconds to 2 minutes 50 seconds	
Flex	<ul style="list-style-type: none"> VMware virtual platform (2) Processors: Intel(R) Xeon(R) CPU X5570 @ 2.67 GHz Speed: 2,666 2 GB RAM 	7.2% - 11.9%	4 minutes to 4 minutes 21 seconds	
ACE-T	<ul style="list-style-type: none"> Dell PowerEdge T610 server (8) Processors: Intel(R) Xeon(R) CPU X5560 @ 2.80GHz Speed: 2,794 4 GB RAM 	0.3% - 1.8%	1 minute 6 seconds to 3 minutes 27 seconds	

The System Inventory Tool and Portal are available via www.honeywellprocess.com/support

<https://www.honeywellprocess.com/library/marketing/notes/System-Inventory-Tool-Is-it-safe-for-my-control-system.pdf>

Available with No Purchase Required

Available to Experion PKS users with no purchase required, the Honeywell System Inventory Tool is a self-service solution for scanning the inventory details of an entire control system, including network, switches and associated nodes at predefined intervals. The tool generates an inventory file of hardware and software (including licenses) that users upload to the Honeywell Support Portal to see their inventory details in a logical and graphical overview.

With the Honeywell Inventory Portal, you will:

- **Know your system** - view a level of granularity you haven't seen before
- **Improve your service experience** - every request starts with knowing your system inventory
- **Make better decisions** - plan migrations, upgrades and maintenance with more clarity

Get started today at <http://www.honeywellprocess.com/support>> System Inventory (requires log-in).

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.

Recent published notifications include:

Document Title	Product	Rel/Rev	Date Created
PN2017-12B Potential C300 memory corruption when using LLMUX	C300 Controller (CC-PCNT01 & CC-PCNT02)	Experion PKS R410, R430, R431, R432, R500.1	05/03/2019
PN2019-15 PHD Shadow link may stop collecting when downloading	Uniformance PHD with Shadow Link	PHD Release R340.1.2	05/03/2019
PN2015-02A CEE Failure Chart View SCM RCM	C200E, C300, ACE and their Simulation environments	Experion PKS R430.1 or later	05/03/2019
PN2019-13 Universal Safety IO fails with error code EC123	Safety Manager. Safety Manager SC	R153.7, R162.1 (Safety Manager), R200.2, R200.3 (Safety Manager SC).	04/17/2019
BW2019-05 Introducing new FIM4-FIM8 Hardware Revision	CC-PFB401 Fieldbus I/F, 4-seg & CC-PFB801 Fieldbus I/F, 8-	Experion PKS R310, R311, R400, R410, R430, R431, R432, R500, R501	03/22/2019
PN2019-09 Inability to control desired output parameters of ENUM type in Ethernet/IP Drive or Devices	C300	Experion PKS R501 & R510	03/22/2019

HPS Standard Product Support Guide Update

An updated HPS Product Support Guide (29P-167) becomes effective on May 1, 2019. This guide supersedes the previous communicated updates in the August 2018 edition of System HINTS Newsletter.

Introduction

The HPS Standard Product Support Guide was introduced more than two decades ago with the last update in August 2018.

The primary objective of the guide is to support continuous plant operation by applying:

- Timely availability of incremental, non-disruptive continuous product evolution solutions
- Understandable product lifecycle phases and support content definitions
- Consistent quality in delivery of support agreements

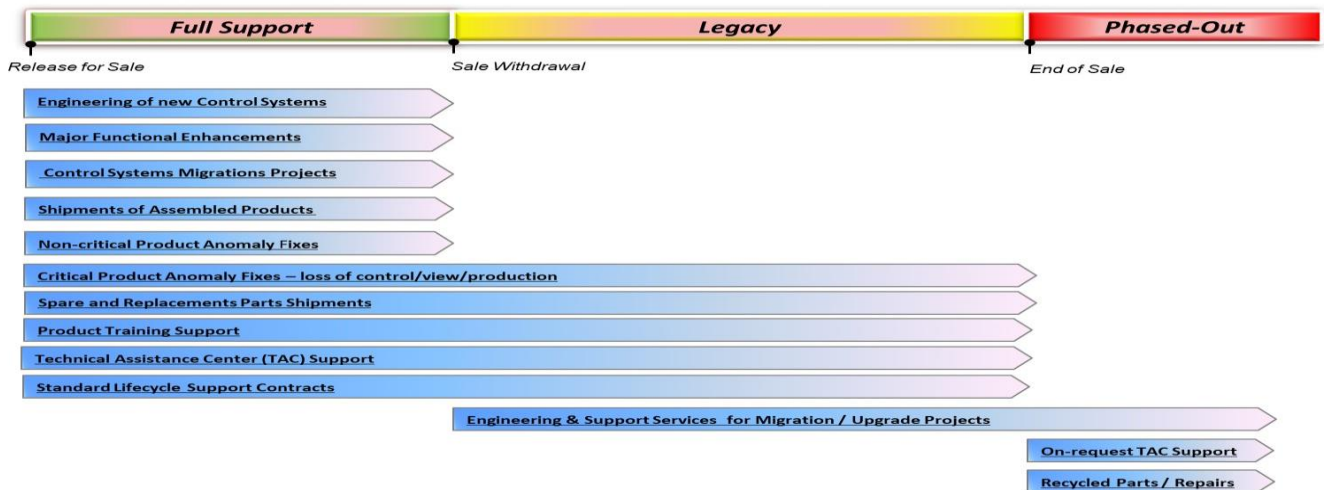
The HPS Support Guide utilizes common terminology across Standard Hardware and Standard Software products available in the HPS standard configuration and/or ordering manuals. The guide relates to products for “Control, Safety and Monitoring Systems” and “Advanced Software.”

Key Changes in the 2019 Update

Changes to the 2019 HPS Standard Product Support Guide can be summarized as follows:

- Support for “Advanced Software” products
- Standard Software products categorized as:
 - System Software
 - Software Packages
 - Standalone Software
- Support duration guidelines provided for each standard software product category

The standard product lifecycle phases remain unchanged and are summarized in the following chart:



The support duration for Standard Hardware products remains unchanged in the 2019 HPS Standard Product Support Guide.

For details about the HPS Support Guide, please refer to the “HPS Product Support Guide for Control Safety, Monitoring Systems and Advanced Software” which can be obtained inside the HPS Customer Resource Manual (login required) by using the hyperlink below:

Products Revisions and Support Status

Latest Media Revision	Latest Patch/Update	Functional Release - First Shipment Announcement	Support Status	Software Product Category
Alarm Configuration Manager R321	R321.11	2014-08	Supported	Standalone Software
Alarm Event Analysis R321	R321.5		Supported	Standalone Software
Blending and Movement Automation R430.y	R430.4	2014-06	Supported	Software Package
Control Performance Monitor R56x	R560.1	2013-03	Supported	Software Package
Control Performance Monitor R57x	R570.1	2014-12	Current	Software Package
Control Performance Monitor R60x	R601.2	2018-05	Current	Software Package
ControlEdge 2020 R14x	R140.1	2017-04	Supported	System Software
ControlEdge 2020 R15x	R151.1	2018-11	Current	System Software
DynAMo Alerts & Notifications (A&N) R110	UA R321.2		Supported	Standalone Software
DynAMo Alerts & Notifications (A&N) R120	UA R321.2		Supported	Standalone Software
DynAMo Alerts & Notifications (A&N) R200	UA R321.2		Current	Standalone Software
DynAMo Documentation & Enforcement (D&E) R110	ACM R321.11	2016-05	Supported	Standalone Software
DynAMo Documentation & Enforcement (D&E) R120	ACM R321.11	2016-05	Supported	Standalone Software
DynAMo Documentation & Enforcement (D&E) R200	ACM R321.11	2016-05	Current	Standalone Software
DynAMo Metrics & Reporting (M&R) R110	R110.2		Supported	Standalone Software
DynAMo Metrics & Reporting (M&R) R120	R120.2		Supported	Standalone Software
DynAMo Metrics & Reporting (M&R) R200	R201.1	2016-05	Current	Standalone Software
DynAMo Operations Logbook (DOL) R100	R100.1	2014-07	Supported	Standalone Software
DynAMo Operations Logbook (DOL) R121	R121.1	2016-09	Supported	Standalone Software
DynAMo Operations Logbook (DOL) R200	R200.1	2017-02	Current	Standalone Software
DynAMo Operations Logbook (DOL) R211	R211.4	2017-08	Supported	Standalone Software
DynAMo Operations Logbook (DOL) R220	R220.3	2018-06	Current	Standalone Software
DynAMo Operations Monitoring (DOM) R100	R100.1	2013-04	Supported	Standalone Software
DynAMo Operations Monitoring (DOM) R121	R121.1	2016-09	Supported	Standalone Software
DynAMo Operations Monitoring (DOM) R200	R200.1	2017-02	Supported	Standalone Software

DynAMo Operations Monitoring (DOM) R211	R211.4	2017-08	Supported	Standalone Software
DynAMo Operations Monitoring (DOM) R220	R220.3	2018-06	Current	Standalone Software
Experion Backup and Restore R500	R500.1	2017-04	Supported	Software Package
Experion Backup and Restore R501	R501.2	2017-12	Current	Software Package
Experion HS R41x	R410.1	2013-07	Supported	System Software
Experion HS R43x	R430.1	2015-03	Supported	System Software
Experion HS R50x	R500.3	2017-08	Supported	System Software
Experion HS R51x	R510.1	2018-09	Current	System Software
Experion LS R30x	R300.1	2009-11	Supported	System Software
Experion LS R40x	R400.1	2011-06	Current	System Software
Experion LX R10x	R100.1	2013-08	Supported	System Software
Experion LX R11x	R110.2	2014-09	Supported	System Software
Experion LX R12x	R120.1	2015-03	Current	System Software
Experion MX CD Controls R61x	R610.1	2013-02	Supported	Software Package
Experion MX CD Controls R70x	R701.1	2017-03	Current	Software Package
Experion MX CDMV Controls R61x	R610.1	2013-02	Supported	Software Package
Experion MX CDMV Controls R70x	R701.1	2017-03	Current	Software Package
Experion MX IDP Scout R61x	R610.1	2013-02	Current	Standalone Software
Experion MX IntelliMap R61x	R610.1	2013-02	Current	Standalone Software
Experion MX MD Controls R61x	R611.1	2013-02	Supported	Software Package
Experion MX MD Controls R70x	R701.1	2017-03	Current	Software Package
Experion MX MDMV Controls R61x	R611.1	2013-02	Supported	Software Package
Experion MX MDMV Controls R70x	R701.1	2017-03	Current	Software Package
Experion MX/MXProLine R60x	R603.1	2011-04	Supported	System Software
Experion MX/MXProLine R61x	R615.3	2013-02	Supported	System Software
Experion MX/MXProLine R70x	R701.1	2017-06	Current	System Software
Experion PKS R43x	R432.2	2014-03	Supported	System Software
Experion PKS R50x	R501.4	2017-01	Supported	System Software
Experion PKS R51x	R510.2	2018-08	Current	System Software
Fail Safe Controller R710	R710.9	2016-11	Supported	System Software
Fail Safe Controller R801	R801.2	2019-02	Current	System Software
Field Device Manager R44x	R440.1	2014-06	Supported	Standalone Software
Field Device Manager R45x	R450.1	2015-02	Supported	Standalone Software
Field Device Manager R50x	R501.1	2018-03	Current	Standalone Software
Honeywell Trace R100	R100.1		Supported	Standalone Software

Honeywell Trace R110	R110.1		Supported	Standalone Software
Honeywell Trace R120	R120.1		Current	Standalone Software
Immersive Competency	R100.1	2018-07	Current	Standalone Software
Intuition Executive R22x	R220.1	2014-05	Supported	Standalone Software
Intuition Executive R23x	R230.1	2015-07	Current	Standalone Software
Intuition KPI R11x	R110.1	2014-05	Supported	Standalone Software
OptiVision R531	R531.1	2012-01	Supported	Standalone Software
OptiVision R540	R540.1	2014-08	Supported	Standalone Software
OptiVision R541x	R541.1	2015-12	Current	Standalone Software
PlantCruise R10x	R100.3	2013-07	Supported	System Software
PlantCruise R11x	R110.2	2014-09	Supported	System Software
PlantCruise R12x	R120.1	2015-03	Current	System Software
PMD R83x	R831.1	2015-02	Supported	System Software
PMD R90x	R900.2	2017-02	Supported	System Software
PMD R91x	R910.1	2018-12	Current	System Software
Procedure Analyst R40x	R400.0	2011-05	Supported	Software Package
Procedure Analyst R41x	R410.0	2013-01	Supported	Software Package
Procedure Analyst R43x	R430.1	2015-06	Current	Software Package
Procedure Analyst R6.x	R6.1	2008-12	Supported	Software Package
Profit Blending and Movement R431.y	R431.4	2015-06	Supported	Software Package
Profit Blending and Movement R500.y	R500.2	2016-11	Supported	Software Package
Profit Blending and Movement R501.y	R501.2	2018-05	Current	Software Package
Profit Suit R41x	R411.1	2013-05	Supported	Software Package
Profit Suit R43x	R431.1	2014-12	Supported	Software Package
Profit Suit R44x	R441.1	2017-04	Supported	Software Package
Profit Suit R50x	R500.1	2018-10	Current	Software Package
Quality OptiMiser R540x	R540.1	2010-10	Supported	Standalone Software
Quality OptiMiser R550x	R550.1	2012-12	Supported	Standalone Software
Quality OptiMiser R550x	R550.2	2014-07	Current	Standalone Software
Quality OptiMiser for QCS R550x	R550.2	2014-12	Current	Standalone Software
Risk Manager	R171		Current	Standalone Software
RTU2020 R11x	R110.1	2015-06	Supported	System Software
RTU2020 R12x	R120.1	2016-05	Supported	System Software
Safety Historian R141	R141.1	2008-07	Supported	System Software
Safety Historian R201	R202.1	2018-11	Current	System Software

Safety Manager R146	R146.2	2010-09	Supported	System Software
Safety Manager R153	R153.7	2016-10	Supported	System Software
Safety Manager R162	R162.1	2019-01	Current	System Software
Safety Manager SC R200	R200.3	2018-10	Current	System Software
Secure Media Exchange (SMX)	R102.3		Current	Standalone Software
TPN (AM) CLM R36x	R360.12	2002-01	Supported	System Software
TPN R685.x	R685.4	2016-06	Supported	System Software
TPN R686.x	R686.4	2016-10	Supported	System Software
TPN R687.x	R687.3	2018-02	Supported	System Software
TPN R688.x	R688.1	2019-01	Current	System Software
TPS (APP) CLM R20x	R200.2	2012-07	Supported	System Software
TPS Builder R430	R430.1	2016-05	Supported	Software Package
TPS R42x	R421.3	2009-11	Supported	System Software
Uniformance Asset Sentinel R510	R510.1	2017-04	Supported	Standalone Software
Uniformance Asset Sentinel R511	R511.2	2017-10	Supported	Standalone Software
Uniformance Asset Sentinel R520.1	R520.1	2018-12	Current	Standalone Software
Uniformance Executive R31x	R311.1	2018-03	Current	Standalone Software
Uniformance Insight R102	R102.1	2017-02	Supported	Standalone Software
Uniformance Insight R110	R110.1	2017-10	Supported	Standalone Software
Uniformance Insight R200	R200.1	2018-06	Current	Standalone Software
Uniformance KPI R12x	R121.1	2017-05	Supported	Standalone Software
Uniformance KPI R13x	R130.1	2018-03	Current	Standalone Software
Uniformance PHD R321	R321.1	2015-03	Supported	Standalone Software
Uniformance PHD R340	R340.1	2017-10	Current	Standalone Software
Uniformance Process Studio R322	R322.2	2016-09	Current	Standalone Software
UniSim Competency Suite	R450.1	2016-11	Supported	Standalone Software
UniSim Competency Suite	R451.1	2016-11	Supported	Standalone Software
UniSim Competency Suite	R452.1	2016-11	Supported	Standalone Software
UniSim Competency Suite	R460.1	2018-04	Supported	Standalone Software
UniSim Competency Suite	R461.1	2019-01	Current	Standalone Software
UserAlert R321	R321.2		Supported	Standalone Software
Web Order Services 540x	R540.1	2014-08	Current	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.