

**INFORMATION | NEWS | TIPS**

**AUGUST 2023**

# **SYSTEM HINTS**

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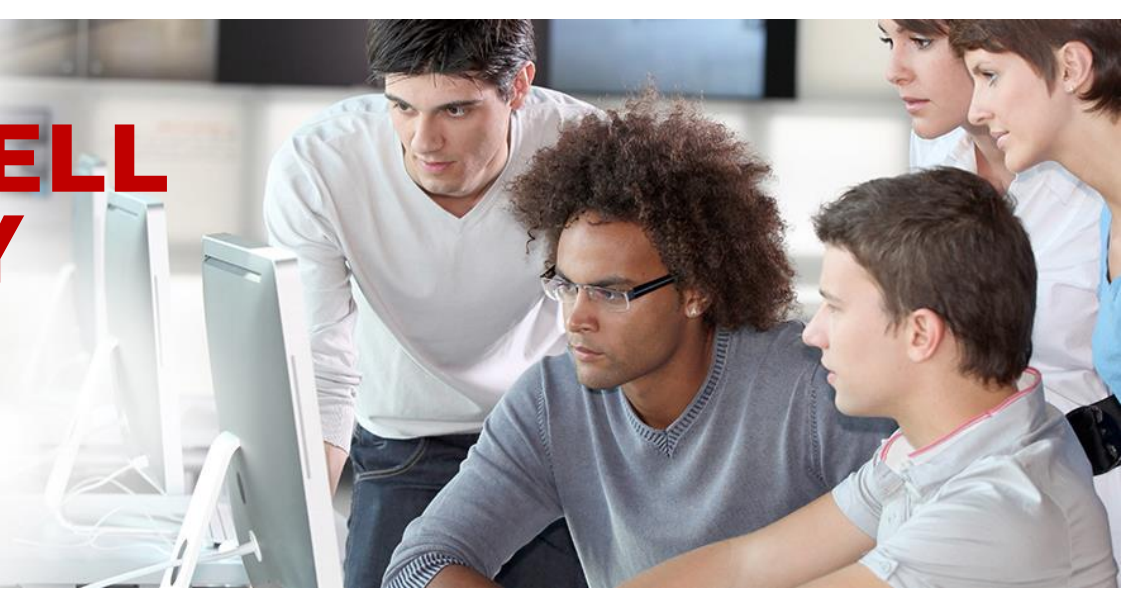
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# GLOBAL HONEYWELL ACADEMY Training Solutions



## What's inside?

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## Standard and Premium Subscriptions:

E-Learning is taking the learning market by storm, stemming from its proven efficiency compared to traditional (classroom) methods. Industry market research find that E-learning provides:

- Faster Ramp up and rollout
- Better Knowledge retention
- Higher focus during training
- No need to travel

Honeywell Academy is at the forefront of digital learning. Learners are provided access to a variety of training formats and tools throughout their training journey. Our Asynchronous and Modular training courses are becoming ever more popular with an engaging user interface, quizzes, hands-on labs, and real-time support from Honeywell Training Specialists.

Now, we are pleased to offer the entire library of our self-paced E-learning training courses to customers as a part of annual subscription service. The E-Learning Subscription program is offered in two convenient packages

- Standard
- Premium

DELIVERABLES	STANDARD	PREMIUM
Can be purchased in convenient packs	✓	✓
Annual access to 150+ AT, MT courses and Micro learning videos	✓	✓
Covers Experion PKS, Safety Manager, Field Device Manager, Trace, ControlEdge, HC900, Experion MX, QCS and more	✓	✓
New releases over the contract year added automatically	✓	✓
New courses over the contract year added automatically	✓	✓
Subscribers' only Monthly Newsletter	✓	✓
Can use your contribution from TMF to purchase	✓	✓
Quarterly Subscriber Only Tech Refresh webinar	✓	✓
Comprehensive Training Needs Assessment and report to identify right courses to do		✓
Register any two open enrolment ILT or VILT courses at Honeywell Academy location of your choice		✓

## E-LEARNING SUBSCRIPTION - STANDARD

- The Subscription Service can be purchased in convenient packs of either 1, 5, 10, or 20 licenses.
- You can take operations, maintenance, implementation training courses from a library of over 150+ self- paced courses giving you more than 1,100 hours of learning material.
- The E-learning portfolio covers Experion PKS, Field Device Manager, Trace, ControlEdge, HC900, Experion MX, QCS and more product lines.
- No need to pay for each course separately, and you can choose the training course when you need it for maximum flexibility
- Any new releases in that subscription year will be automatically added to the pack without extra cost.
- When Honeywell Academy develops new AT/MT courses, they will also be added to the subscription pack without any extra cost.
- Monthly Newsletter about new courses and videos
- Access to Operators Video guide and several Micro-learning videos developed by the trainers.
- Quarterly Technology Refresh webinar to learn sleek tricks and tips from the experts.
- You can use your contribution of TMF or A360 training funds to pay for the E- Learning Subscription Service

## E-LEARNING SUBSCRIPTION - PREMIUM

The Premium Subscription option includes all the features of the Standard program plus following additional benefits

Instructor-led Training: The subscribers can enroll up to two scheduled Instructor-led (ILT) or Virtual Instructor-led (VILT) training courses within the contract year.

The total training can be up to 10 days maximum that can be attended in any Honeywell Academy location globally. Honeywell Academy [Terms and Conditions](#) will apply. The upcoming schedule and locations are available on [Honeywell Academy](#) website.

**Training Needs Assessment:** The Subscribers will be given access to our comprehensive Training Needs Assessment (TNA) program. The TNA will focus on an evaluation around

- Understanding of Honeywell system's concepts & practices,
- Application and understanding of maintenance and troubleshooting principles and
- System configuration and usage of applications for field and system related troubleshooting.

Upon completion of the TNAs, Honeywell will provide a report with the findings and suggested competency interventions recommendation to close the gaps with right training to improve overall performance.

## HOW IT WORKS

1. The customer purchases the subscription pack and provides Honeywell Academy with the names and emails of the individuals to receive a license.
2. Each license in the pack will be assigned to nominated individuals from your organization. The licensee will be able to register for any AT (Asynchronous) or MT (Modular) course.
3. Each licensee will receive login details to Honeywell Academy Learning Management System. They can browse through the schedule of upcoming AT courses and enroll online.
4. Honeywell Academy will confirm their credentials and register them in that session.
5. After completing the course, they can download the certificate. They will be able register for the same course again or any other AT course as per their requirements, all covered in the subscription package.
6. The subscribers can access MT courses and several video lessons all the time.

## For More Information

To learn more about Honeywell's e-Learning Subscription Service, please contact your Honeywell Account Manager, Distributor or System Integrator.

Honeywell Academy contacts:

- For Americas-Canada-Latin America: [HPSTrainingUSCANLAR@Honeywell.com](mailto:HPSTrainingUSCANLAR@Honeywell.com)
- For Europe-Middle East-Africa: [HPS-Training-EMEA@honeywell.com](mailto:HPS-Training-EMEA@honeywell.com)
- For Asia Pacific: [HPS-Training-APAC@honeywell.com](mailto:HPS-Training-APAC@honeywell.com)

Honeywell Academy web site: <https://process.honeywell.com/us/en/services/training>

## New Training Offerings:

### Cybersecurity Training Courses:

1. CS-0001/CS-0001-VILT: Cybersecurity: Advanced - Honeywell Application Control/Whitelisting Workshop
  - Provides an in-depth, technical understanding of Honeywell's Cyber Application Control endpoint security solution through comprehensive coursework and hands-on scenario-based labs.
2. CS-0002/CS-0002-VILT: Cybersecurity: Advanced - Industrial Offensive and Defensive Cybersecurity Principles: Red Team / Blue Team Workshop
  - Red team/blue team workshop.
  - Provides a unique insight into the hacker's mindset and techniques, helping students develop defensive strategies. That can then be practiced in head-to-head com.
  - Competitions between blue team (defenders) and the red team attackers (hackers).
3. CS-0003/CS-0003-VILT: Cybersecurity: Advanced - Industrial Cybersecurity Standards and Best Practices
  - Covers global cybersecurity standards and the lifecycle phases. Includes endpoint security, network security and cybersecurity processes to help reduce cyber risk.
  - Students are introduced to global cybersecurity standards and the cybersecurity lifecycle with its phases of assess, design, implement and maintain.
4. CS-0004/CS-0004-VILT: Cybersecurity: Fundamentals - Industrial Control Systems (ICS) Cybersecurity Awareness
  - Introduction to cybersecurity challenges facing process plants and critical infrastructure.
  - Introduces the importance of securing control systems from cyber-attacks and concepts for implementing mitigation strategies.
5. CS-0005/CS-0005-VILT: Cybersecurity: Advanced - Cybersecurity Incident Management
  - Training covers complete overview of ICS/OT incident response and handling step.
  - Build important skills through the hands-on labs and exercise.
  - Students will be able to apply to their acquired skills directly to their own ICS network and monitor for threats, detect, and perform incident response and recover from cyber incidents based on their own guidelines.

Please [click here](#) for course info, schedules, and request to enroll.

# 2024 Global Honeywell Users Group (HUG) Conference

The 47<sup>th</sup> annual HUG will be held in Madrid, Spain on June 10-13, 2024

For the 2024 Global HUG Steering Committee, EMEA representatives will have their first face-to-face meeting to start to prepare agenda items in October this year.

We will be looking to start the call for customer presentation papers in January 2024, and the accompanying abstracts for these will need to be submitted before April 1. The Steering Committee will review all submitted abstracts to see if they will be of interest for the HUG audience. Then the committee will follow up on acceptance and invite the end user customer presenters.

If you submit an industry paper based on your HPS, UOP, SME, HCE, HCI, Cyber or other related Honeywell solutions or services, including lessons learned, and your paper is accepted, your 2024 HUG Conference registration fee will be waived.

The 2024 HUG Conference registration fees, and what these include, will be listed on our website during the beginning of December.

## WANTED: NEW HUG CUSTOMER STEERING COMMITTEE MEMBERS

We may be looking for you! In the most ideal situation:

- You have attended at least one or multiple HUGs, and
- You have previously presented, and
- You are not afraid to represent your company and your industry, and
- On top of all this, you will have the full support of your company and leadership team to join us at our annual face-to-face conference.

Typically, the HUG Steering Committee has a monthly one-hour call, we meet in the fall in-person for one full day, and you need to be present the entire HUG week.

We need you and your company to consider stepping in for a minimum of three years. You cannot already be in a committee or on a board with one of our conference competitors. Your company needs to bear your travel, accommodation and other costs accrued. We do waive your conference registration fees at any HPS-HUG Conference you plan to attend.

How to indicate you are available:

If the above has your interest, please drop us an email at: [usersgroup@honeywell.com](mailto:usersgroup@honeywell.com) with the subject line: STEERING COMMITTEE MEMBER interest. Please also include your bio description, your picture, and a short statement on why you believe you should be on the HUG Conference Steering Committee.

We already have a full Oil and Gas house, but we are looking for new members in the following industry categories:

- Utilities
- Terminal
- Upstream
- Minerals, Mining and Metals
- Life sciences

Based on your submission, the Steering Committee members review your application, and the Chair and Vice Chair will interview you. Then they will explain the next step and can answer you any questions you may have.

If you'd like more information, please contact: [usersgroup@honeywell.com](mailto:usersgroup@honeywell.com)

We look forward hearing from you, your peers and to see you at the 2024 HUG in Madrid this June. Feel free to stay posted here in HINTS and/or start following #HPSHUG24.

## The Cyber-Physical Six Executive Research Report



Targeted Industrial Attacks Have Evolved – What's Next in Cyber-Physical Threats for Industrial Operators?

The Cyber-Physical Six report reveals an evolutionary trajectory that suggests the overall capabilities and scope of cyber-physical threats will represent a real threat to industrial operators, with the ability to disrupt, sabotage or destroy.

**Learn more >**

[Cyber-Physical Six Executive Research Report](#)

## System Inventory Collection Strategy Update – System Inventory Tool (SIT) migrating to Unified Data Collector (UDC)

Inventory data collection from customer systems is essential for Honeywell Lifecycle Support Services such as contract renewals, migration planning, priority notifications, preventative maintenance task planning, as well as spare parts planning. Over the years the System Inventory Tool has been the means of collecting this information.

In an effort to consolidate and streamline the various data collection needs for customers and Honeywell support the inventory collection responsibilities for TPS and Experion have been migrated to the Unified Data Collector (UDC).

Starting with this year’s SESP contract renewal process UDC will be installed for the Experion and TPS data collection. The below table shows the current comparison between System Inventory Tool and Unified Data Collector. Where necessary the SIT tool will continue to be used to collect data for systems not yet supported by UDC.

Platform Name	System Inventory Tool R300.1	Unified Data Collector R130
TPS	Y	Y
Experion	R400.8 - R520	R410.9 – R520
Safety Manager	Y	Planned for UDC R150
Fail Safe Controller	Y	N
OneWireless	Y	N
Experion MX	Y	Planned for UDC R150
PMD	Y	N
L3 Software	Y	Planned for UDC R150
ControlEdge PLC	N	N
ControlEdge RTU	N	N

The inventory data collected by UDC will still be uploaded into the System Inventory Portal just like before. This is where the customer can view all their control system asset data (both hardware and software). The UDC inventory files are identical to the SIT files so existing Honeywell and customer tools using these files will continue to work.



## Unified Data Collector Background

The Unified Data Collector is the preferred method for inventory data collection for TPS and Experion systems. The Unified Data Collector, as the name implies is a newer approach to combining Honeywell's various data collection utilities into a single application. The Unified Data Collector will over time be the single data collector for Enabled Services, Integrated Automation Assessments, System Performance Benchmarking, Preventative Maintenance Data Collection, and GTAC diagnostic data capture. The Unified Data Collector is a software server that is installed on an existing system at L3 or L2. It performs asset discovery and agents are deployed to collect the data from the various nodes. This server-based approach simplifies the inventory collection compared to the System Inventory Tool, which is required to be installed on each B Server.

The Unified Data Collector will be made available free-of-charge and downloadable from Honeywell SoftCo's secure software download center. The software can be installed by a customer or by a qualified Honeywell field service resource.

For questions or more information please contact your local Field Service representative or your account manager.

## Uniformance PHD R430 pre-release

Uniformance PHD R430 release is planned for August 31st, 2023.

Honeywell's Uniformance Process History Database (PHD) continues to be a leader in the process data historian space and R430 release introduces a number of new features and significant product enhancements:

- Enhanced system performance, i.e. leverage changes in Windows 2022 for more effective use of all CPU cores.
- Numerous enhancements to OPC UA Server and OPC UA RDI i.e., support OPC UA failover
- Security enhancements i.e., more flexible certificate configuration for RESTful API and OPC UA Server
- Tag value notifications and out-of-sequence data transfer between PHD servers
- New data interfaces:
  - RESTful API
  - Modbus (Modbus over serial & over TCP)
  - System monitoring RDIs: WMI, PerfMon, Ping, SNMP
- Numerous additional enhancements and fixes

Note:

- PHD R340 and below are no longer supported and should be migrated to PHD R430 or R410 at minimum.
- End of support for PHD R400 will be June 2024

Uniformance Process Studio (UPS):

Uniformance Process Studio (UPS) R323 was the final major release of this product. UPS will be supported up to April 2025 at which point the product will reach its end of life.

Existing UPS customers are encouraged to migrate to our web based process visualization application, Uniformance Insight (UI). Your UPS licenses can be converted to Insight licenses at no extra cost with an active BGP. Please contact your Honeywell account manager or sales representative for additional details.

# Field Device Manager® R521.1 Release Announcement

Field Device Manager provides plant instrument engineers, technicians and maintenance personnel with an optimized system that simplifies tasks and enables remote management of smart instruments. FDM offers complete command and control of HART, PROFIBUS, Foundation Fieldbus, Honeywell DE Protocol as well as Wireless HART and ISA100 Wireless smart instruments throughout the plant. FDM saves time, allows instrument troubleshooting to be done more safely, and helps improve overall asset effectiveness in the plant.

FDM R521.1 includes the below enhancements:

1. HART device load optimization for DD/EDD resulting in faster loading of HART devices.
2. HART-IP Server Support for SM and Experion® PKS redundancy. This enables 3rd party HART-IP clients to access HART devices connected to redundant Experion® PKS and Safety Manager via FDM HART IP Server.
3. Profinet Ethernet-APL support via Experion® PKS EIM
4. HART device configuration, diagnostics and maintenance support using FDI package
5. Profinet support enhancements - bulk history & offline configuration from history
6. Export of Plant Area View status with device health status
7. Multi-select deletion of disconnected tags from FDM tree
8. Other Security Enhancements

The FDM R521.1 documentation (SCN, Software Download Datasheet) shall be available at the link provided below:

<https://process.honeywell.com/us/en/support/product-documents-downloads>

# Sheet Manufacturing & Gigfactory News

## Release Announcement – QCS 4.0 R500.1

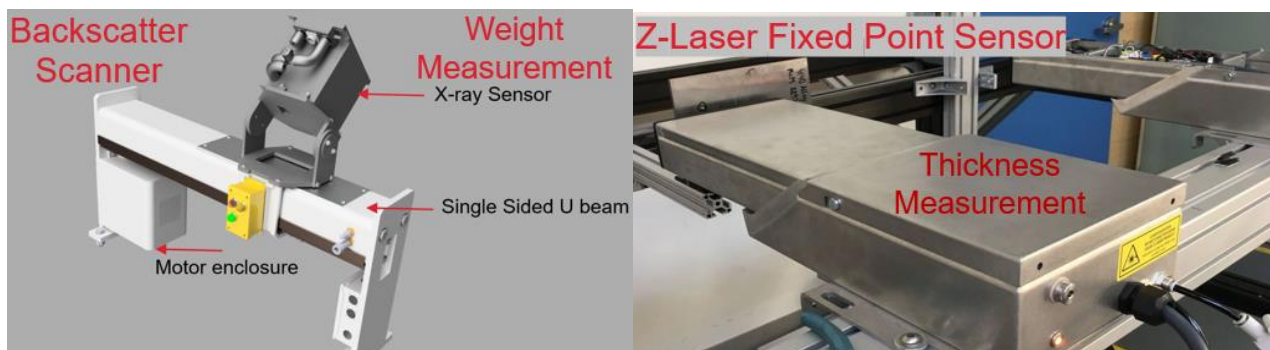
The latest feature release for the QCS 4.0 cloud-based control and process performance monitoring service has been deployed. QCS 4.0 now identifies and displays grade changes, allowing quick visualization of grade change performance and improvement opportunities. Improved user experience features include the ability to save trend and profile configurations to make browsing KPIs in the dashboard swift and efficient, and a dark theme provides increased readability.



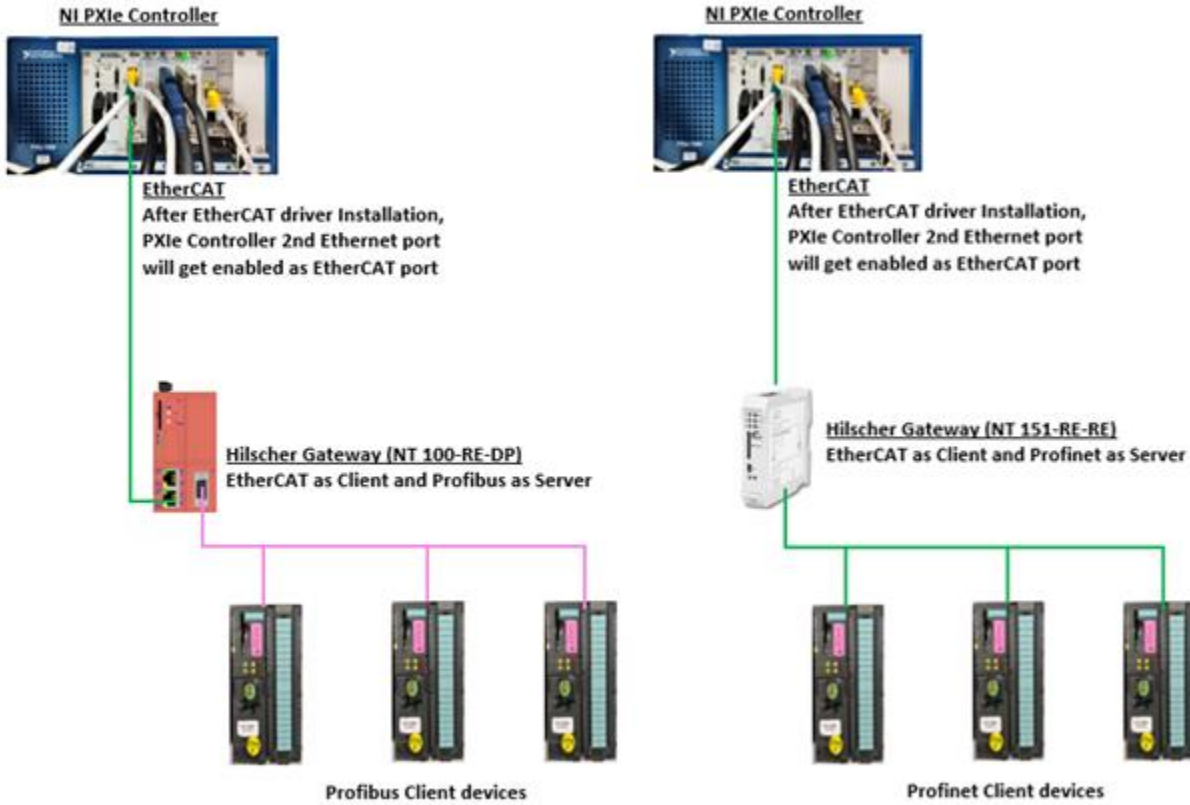
## Prerelease Announcement – Rubber Calender Measurements

Honeywell has provided Quality Control Systems (QCS) to rubber and tire manufacturers for several decades, with a global installed base on over 300 wire, textile, and gum calenders. These systems consist of scanning and fixed point measurements for rubber thickness & weight, wire cord weight & spacing, and process controls to optimize quality and production. To continue serving this market segment, Honeywell will soon be releasing a new x-ray backscatter scanner for measuring gum weight, and a laser-based fixed point sensor for measuring thickness. These will be available for shipment beginning in late Q2 2024.

Please contact your Honeywell Account Manager for more information.



Honeywell’s MetalsMaster product provides measurement and precise control for high-speed cold and foil rolling mills utilized in various applications, including Gigafactory (cathode) packaging material. Ongoing global supply chain constraints and semiconductor chip shortages have impacted the availability of the Profibus cards which enable communication between MetalsMaster systems and a diverse range of third-party mill devices, sensors, and actuators. To continue providing support for these devices, MetalsMaster R137.2 introduces support for the Hilscher Ethernet for Control Automation (EtherCAT) to Profibus Gateway. A user-configurable gateway device feature, along with an online two-way communication platform for real-time mill data and communication diagnostics have also been introduced. These capabilities have been seamlessly integrated into the product’s framework, aligning with the existing Profibus and Profinet architecture.



## Series C Power Systems – Preventative Maintenance Tips

**Maintaining power is critical to all systems. Failure to proactively maintain power supplies, batteries, and related equipment, or ignoring power system alarms, could lead to electrical failures. Depending on your configuration and process, power failures could potentially shut down a process or trigger loss of view, loss of control, or loss of process incidents.**

As power supplies age, electrical components undergo normal lifecycle deterioration. Failure potential increases significantly after a power supply passes its 10-year service life. After 10 years of service in normal operating conditions, power supplies have a higher probability of failure and should be inspected annually. You should replace all power supplies that are nearing or have exceeded the 10-year service life at the earliest opportunity. Honeywell recommends scheduling replacements during planned down time when possible.

### Power System part numbers

Model	Part #	Description
CC-PWRN01	51199937-100	Power Subsystem (20A), non-redundant (one power supply), 120/240 VAC
CC-PWRR01	51199939-100	Power System (20A), redundant (2 power supplies), 120/240 VAC
CC-PWRB01	51199940-100	Power System (20A), redundant (2 power supplies), 120/240 VAC, with 24V Backup Battery Assembly
CC-PWN401	51198661-100	Power System (40A), non-redundant (2 power supplies), 120/240 VAC
CC-PWR401	51198662-100	Power System (40A), redundant (3 power supplies), 120/240 VAC
CU-PWMR20	51154856-100	Approved COTS Power (20A), redundant (2 power supplies & 1 Redundancy module), 120/240 VAC – Meanwell
CU-PWMN20	51154856-200	Approved COTS Power (20A), non-redundant (one power supply), 120/240 VAC – Meanwell
CU-PWPR20	51154864-100	Approved COTS Power (20A), redundant (2 power supplies & 1 Redundancy module), 120/240 VAC – Phoenix Contact
CU-PWPN20	51154864-200	Approved COTS Power (20A), non-redundant (one power supply), 120/240 VAC – Phoenix Contact

### Power System Maintenance Increases

#### Reliability

##### Equipment life

Proper maintenance of the power system includes addressing power supplies, battery backup and memory backup batteries. The expected lifespan of each of these components is different and the lifespan of each is affected by local environmental conditions.

Description	Life Expectancy
Power Supply	~10 years
24V Battery Backup	~3 to 5 years
Ni-MH Battery pack	~2 years

##### Have a maintenance plan

A proactive power system maintenance program provides:

- Reassurance that power systems and batteries are running properly
- Lower risk of downtime due to power system issues
- Component replacement coordinated with planned process outages
- Low replacement costs compared to unplanned system downtime
- Improved power system reliability.

## Servicing the Power System

The power system is critical to your process. Loss of the power system may lead to loss of control, loss of view, or loss of process. Honeywell strongly recommends regular power system maintenance and service checks with regular component replacements performed by Honeywell trained service technicians.

Preventing foreign particle contamination is a key to achieving the planned 10-year lifecycle. Even clean environments are susceptible to whiskers which have the potential to short out active circuits.

Doing regular corrosion tests on the cabinets is recommended

Planning Power System Upgrade / Maintenance:

- Order the power system upgrade kit
- Order replacement parts for immediate installation.
- Order spares to have in stock for emergencies.
- Add power system components to a parts contract.

Note that there is always risk involved when powering down equipment and issues when the equipment is powered back up. Honeywell recommends changing power supplies off-process when possible. Replacements on- process should be done only when a power supply fails only for redundant power system. Immediate replacement required to restore power supply redundancy.

## Replacing Series C Power Supply Module

You can replace one power supply of the Series C power supply module while the other is operating (redundant).

This procedure is applicable to all redundant power systems - CC-PWRR01, CC-PWRB01, and CC-PWR401.

Before replacing the series C power supply module, ensure the following:

- You have the proper personal protection equipment (PPE) required by your site.
- You have the necessary work permits.
- Appropriate operators are aware of your work to the cabinet.

The environment has been tested to confirm the absence of a flammable atmosphere and continuously monitored during the work process. NOTE: Depending on your site-specific practices or local codes and regulations, it may be necessary to de-energize the AC mains to the defective power unit. In this case, make sure you are de-energizing the correct AC mains. De-energizing the AC mains to the operating power module will turn off the entire cabinet.

## Maintaining Batteries

### 24 Volt Battery Backup

Main Backup Battery - this subsystem backs up the main DC 20A output for 30 minutes when the primary AC power is lost.

Rechargeable batteries lose their full charging capabilities over time and need to be tested and replaced when they fall below 60 percent of original capacity.

The battery backup is designed to operate in standby (float) service for approximately five years based on:

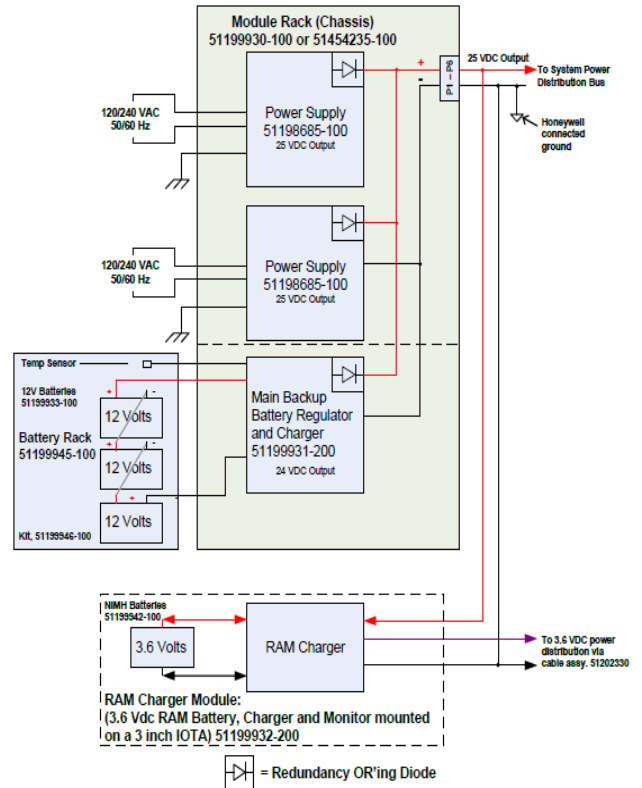
- Battery temperature maintained at 20C (68F) • Float charge voltage maintained between 2.25 and 2.30 volts per cell.
- Planned full discharge once every three months.

No battery should remain in service longer than five years. If no maintenance is conducted, it should be replaced every three years.

Battery service life is directly affected by the number of discharges, the depth of discharge, ambient temperature, and the charging voltage. The expected service life is reduced by 20% for each 10C that the ambient temperature is above 20C.

## Memory Battery Backup

The RAM Battery Backup subsystem provides unregulated 3.6 volts to the Series-C system from three nickel metal hydride cells. The minimum battery capacity must be 1100 ma hours (which can easily be supplied by three “C” cells). The main function of the power system, as related to RAM Battery backup, is to charge the cells as needed and monitor their health. If the batteries do not have sufficient charge to provide the specified output current, or there is a failure of the monitoring circuit, or the charger has failed, an alarm is to be generated. The alarm output is via a normally closed relay contact. The contact opens on alarm. The trial run RAM battery charger will include a low voltage cutoff for the battery pack set at 3.4 volt. The batteries in the standard power system are periodically tested by the charging circuit. If the voltage falls below the allowed limit, a battery failure alarm will be generated, and the batteries should be replaced.



Description	Replacement part #
20 A Power Supply	51198685-100
24V Backup Battery (3 batteries and interconnecting cables)	51199946-100
Ni-MH Battery pack	51199942-100/ 51199942-300

### Replacement part number

Monitor memory backup state with parameter “BATTERYNOTOK”

A diagnostic alarm is issued from the function block whenever BATTERYNOTOK status is not OK and the “Disable Memory Retention and Alerts (DISABLEBATTERYALARM) parameter is OFF.

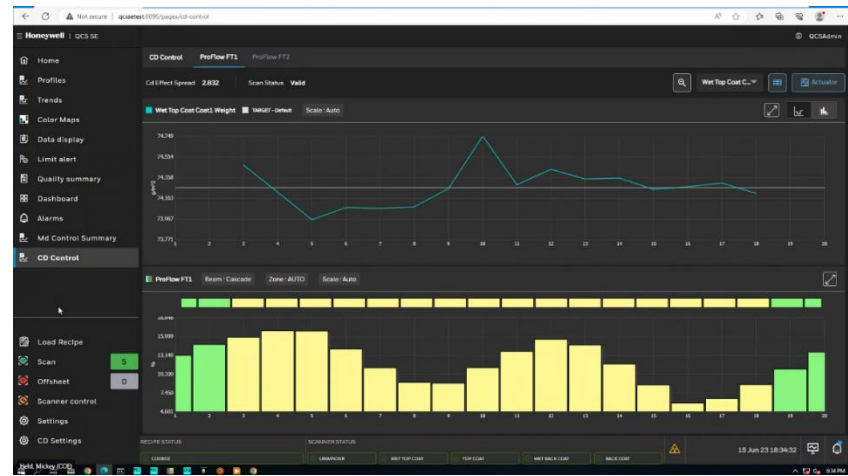
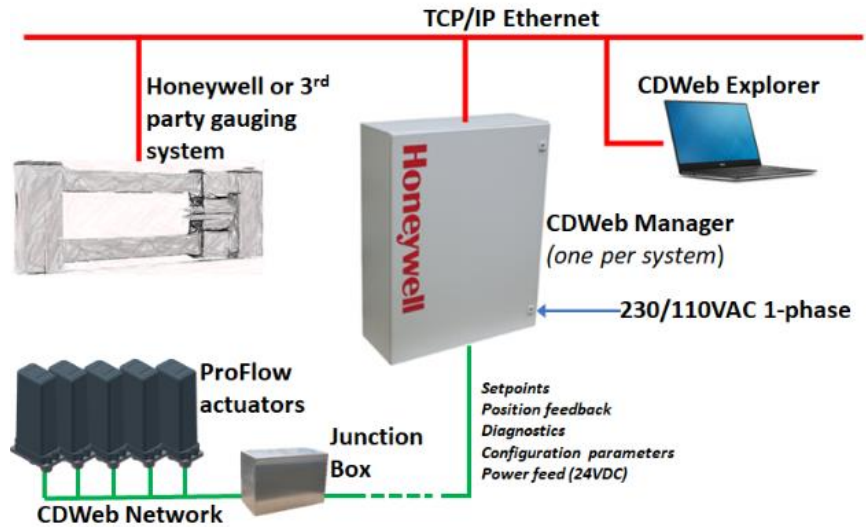


# Honeywell Transforms Electrode Coating and Cast Film Process Control with New ProFlow XT Actuator

Honeywell has introduced a new, intelligent cross-directional (CD) actuator system for polymer and coating die applications. A uniform die gap flow is a key to achieve end-product quality target regardless the application.

Designed to replace the slower thermal bolts currently used by most extrusion and fluid coating processes, ProFlow XT provides unprecedented, motorized precision lip adjustment control with significant quality control benefits. The time to reach quality production from cold start is reduced from about an hour to just a few minutes, when compared to thermal bolt technology; even more when compared to manually adjusted bolts. Precise direct control of the die lip position achieves improved steady state profile uniformity as opposed to existing conventional methods.

ProFlow XT shares the same architectural foundation as the rest of Honeywell CD actuators systems. Each actuator has on-board intelligence allowing local control of actuator functions, diagnostics and network communications.



Proven and robust actuator technology combined with market-leading gauging and control solutions by Honeywell guarantees maximal production performance in terms of quality and efficiency. Model predictive CD optimizer allows one coordinated framework for multi-profile control on processes like electrode coating with unusual long time delays. Recipe-associated setpoint database enables operator to save and restore optimal die lip shapes repeatedly just in seconds

which helps drastically to reduce startup recovery times.

New ProFlow XT with Honeywell’s unique CD control solution is designed to improve production quality and yield while taking operator variability more out of the equation.

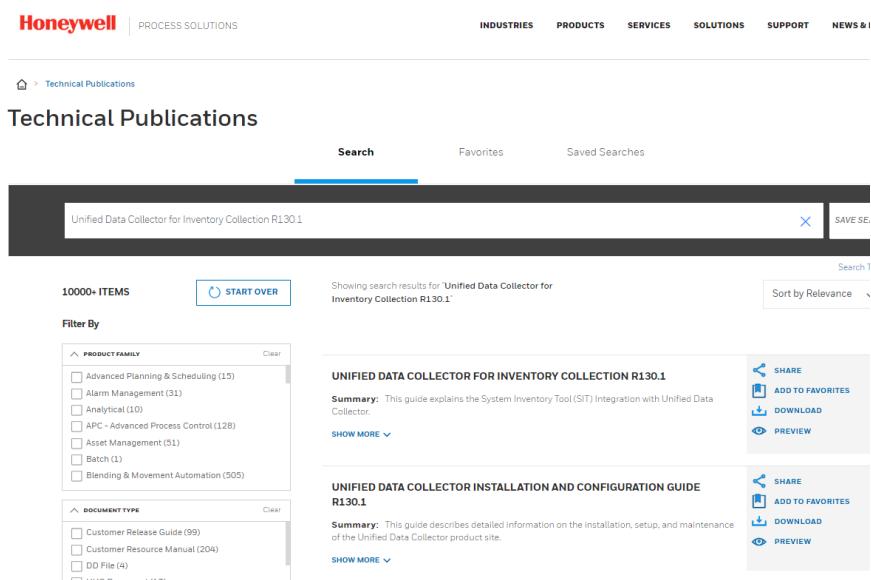
# Unified Data Collector – new inventory asset collector for 2023

The System Inventory Tool (SIT) data collector has been retired and replaced with the Unified Data Collector.

The Unified Data Collector (UDC) is the new method for inventory data collection for TPS and Experion systems. The Unified Data Collector, as the name implies, is a newer approach to combining Honeywell’s various data collection utilities into a single application. The UDC will over time be the single data collector for Asset Data Collection for online contract renewals, Enabled Services, Integrated Automation Assessments, System Performance Benchmarking, Preventative Maintenance Data Collection, and GTAC diagnostic data capture.

The Unified Data Collector is installed on an existing system at L3 or L2; it performs asset discovery and agents are deployed to collect the data from the various nodes. This server-based approach simplifies the inventory collection compared to the System Inventory Tool, which was required to be installed on each B Server.

The Unified Data Collector is available [here](#) (after clicking link, login to download).



## Tofino Modbus Firewall Last Time Buy Extension

Eaton/Tofino announced in March this year, that the current Tofino 9202 series would have a last time buy and hence would be end of sale in October 2023 due to component obsolescence issues. However, there is now a new announcement about Last Time Buy has been extended till the 31<sup>st</sup> of December, 2025, with last delivery date in 30<sup>th</sup> of April, 2026.

This is impacting the Modbus Firewalls 9202-ETS-HN1 (NE-FWMB01) and 9202-ETS-HN3 (NE-FWMB12) qualified for FTE. These models EOS/LTB will be in 2 years from now. Despite this announcement, Honeywell will work to define the successor path forward based on the following:

1. There will be a Tofino next gen successor, expected to be launched at 2024. The initial idea is to qualify it, depending as well on the Honeywell 1st party (CNM) roadmap since there will be a Modbus firewall option.
2. The succession roadmap will be defined and information about successors and path forward will be made available on a timely manner

## HPS Priority Notifications

HPS Priority Notifications are available under

[https://process.honeywell.com/us/en/support/technical-publication?search=&filters=doc\\_type%2FNotification](https://process.honeywell.com/us/en/support/technical-publication?search=&filters=doc_type%2FNotification)

Please note that you have to sign in to access those documents.

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
<b><u>PN2022 01B ELCN BRIDGE FAILURE TO SWITCH OVER OR SYNCHRONIZE</u></b>	ELCN Bridge	All Experion PKS Releases Prior to 520.2 TCU4	June 30, 2023
<b><u>PN2022 02B TCMI FAILURE TO SWITCH OVER OR SYNCHRONIZE</u></b>	Triconex Communication Module Interface (TCMI)	All TCMI firmware releases	June 30, 2023
<b><u>PN2023-13 EXPERION PKS MIGRATION FROM R511.4 HF11 FAILS AT RESTORE CONTROL STRATEGIES STEP</u></b>	Experion PKS	R511.4	July 5, 2023
<b><u>PN2023-12 4000 SCANNER WITH INTERNAL UPMP Q4610-50 ALLOWS THE STANDARDIZATION OF SENSOR WHEN THE SCANNER IS IN AN E-STOP (EMERGENCY STOP) OR HEAD SPLIT CONDITION</u></b>	Experion MX Platform, DaVinci Platform, Experion MX Scanner\Sensor	None	May 24, 2023
<b><u>PN2023-03A MULTI-PM-IOP CONFIGURATION AND COMMUNICATION ISSUES</u></b>	PM I\O, Experion PKS	PMIO (AO16, DI, DI24, DO16, DO32, HLAI)	May 4, 2023
<b><u>PN2022-28A MESSAGE BLOCK WITH DYNAMICALLY CONFIGURED TEXT LEADS TO CONTROLLER FAILURE IN DIFFERENT SCENARIOS</u></b>	Experion PKS	R520	April 27, 2023
<b><u>PN2023-11 LOSS OF IO-LINK WHILE PERFORMING NON-SAFETY RESET AND SAFETY - RESET WITH ONE CP HALTED</u></b>	Safety Manager	R1xx, R210, R211, R212	April 27, 2023

## Products Revisions and Support Status

Latest Media Revision	Latest Patch/Update	Support Status	Functional Release - First Shipment Announcement	Software Product Category
<b>Advanced Formula Manager</b>	R206	Supported		Standalone Software
<b>Application Whitelisting</b>	R201.3	Supported	2021-08	Standalone Software
<b>Biz Calc Manager</b>	R240	Supported		Standalone Software
<b>Control Performance Analytics R110x</b>	R110.1	Supported	2018-12	Standalone Software
<b>Control Performance Analytics R111x</b>	R111.1	Current	2020-04	Standalone Software
<b>Control Performance Monitor R60x</b>	R603.2	Current	2021-08	Standalone Software
<b>Control Performance Monitor R60x</b>	R603.1	Supported	2020-10	Standalone Software
<b>Control Performance Monitor R60x</b>	R602.5	Supported	2020-02	Standalone Software
<b>Control Performance Monitor R60x</b>	R601.3	Supported	2018-05	Standalone Software
<b>ControlEdge 2020 R14x</b>	R140.1	Supported	2017-04	Standalone Software
<b>ControlEdge 2020 R15x</b>	R151.1	Supported	2018-11	Standalone Software
<b>ControlEdge 2020 R16x</b>	R161.1	Supported	2020-04	Standalone Software
<b>ControlEdge 2020 R16x</b>	R160.2	Supported	2019-12	Standalone Software
<b>ControlEdge 2020 R17x</b>	R170.1	Supported	2021-04	Standalone Software
<b>ControlEdge 2020 R17x</b>	R171.1	Supported	2021-09	Standalone Software
<b>ControlEdge 2020 R17x</b>	R172.1	Supported	2022-03	Standalone Software
<b>ControlEdge 2020 R17x</b>	R174.1	Current	2023-01	Standalone Software
<b>ControlEdge HC900 R60x</b>	R600.1	Supported	2014-04	Standalone Software
<b>ControlEdge HC900 R62x</b>	R620.1	Supported	2016-09	Standalone Software
<b>ControlEdge HC900 R63x</b>	R630	Supported	2017-04	Standalone Software
<b>ControlEdge HC900 R65x</b>	R650	Supported	2018-06	Standalone Software
<b>ControlEdge HC900 R66x</b>	R660.2	Supported	2018-12	Standalone Software
<b>ControlEdge HC900 R70x</b>	R700.1	Supported	2020-07	Standalone Software
<b>ControlEdge HC900 R71x</b>	R710.1	Supported	2021-04	Standalone Software
<b>ControlEdge HC900 R72x</b>	R720.1	Supported	2021-06	Standalone Software
<b>ControlEdge HC900 R73x</b>	R730.1	Current	2022-02	Standalone Software
<b>ControlEdge PLC R15x</b>	R152.1	Supported	2019-04	Standalone Software
<b>ControlEdge PLC R15x</b>	R151.1	Supported	2018-11	Standalone Software
<b>ControlEdge PLC R16x</b>	R161.1	Supported	2020-04	Standalone Software
<b>ControlEdge PLC R16x</b>	R160.2	Supported	2019-12	Standalone Software
<b>ControlEdge PLC R17x</b>	R170.1	Supported	2021-04	Standalone Software
<b>ControlEdge PLC R17x</b>	R171.1	Supported	2021-09	Standalone Software
<b>ControlEdge PLC R17x</b>	R172.1	Supported	2022-03	Standalone Software
<b>ControlEdge PLC R17x</b>	R174.1	Current	2023-01	Standalone Software
<b>Cyber App Control</b>	R400.1	Current	2022-05	Standalone Software
<b>Cyber Insights R100</b>	R100.1	Current	2023-07	Standalone Software
<b>DynAMo Alerts &amp; Notifications (A&amp;N) R200</b>	UA R321.2	Supported	2013-10	Standalone Software
<b>DynAMo Documentation &amp; Enforcement (D&amp;E) R200</b>	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	Supported	2020-05	Standalone Software
DynAMo Operations Logbook (DOL) R24x	R240.1	Supported	2020-04	Standalone Software
DynAMo Operations Logbook (DOL) R24x	R246.1	Current	2023-01	Standalone Software
DynAMo Operations Monitoring (DOM) R24x	R240.1	Supported	2020-04	Standalone Software
DynAMo Operations Monitoring (DOM) R24x	R246.1	Current	2023-01	Standalone Software
Enabled Services (Unified Data Collector R120)	R120.1	Supported	2021-02	SaaS Offering
Enabled Services (Unified Data Collector R121)	R121.1	Supported	2021-10	SaaS Offering
Enabled Services (Unified Data Collector R130)	<b>R130.1</b>	Current	2022-09	<b>SaaS Offering</b>
Experion Backup and Restore R52x	R520.1	Current	2021-12	Software Package
Experion HS R410	R410.9	Supported	2013-07	System Software
Experion HS R430	R430.1	Supported	2015-03	System Software
Experion HS R500	R500.1	Supported	2017-08	System Software
Experion HS R510	R510.2	Supported	2018-09	System Software
Experion HS R511	R511.3	Supported	2019-07	System Software
Experion HS R520	R520.1	Current	2022-04	System Software
Experion LS R30x	R300.1	Supported	2009-11	System Software
Experion LS R31x	R310.2	Supported	2010-11	System Software
Experion LS R31x	R311.1	Supported	2011-02	System Software
Experion LS R40x	R400.1	Supported	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 R500	R500.1	Supported	2017-11	System Software
Experion LX R51x	R510.2	Supported	2018-11	System Software
Experion LX R51x	R511.4	Supported	2019-09	System Software
Experion LX R520	R520.1	Current	2022-03	System Software
Experion MX CD Controls R70x	R701.2	Supported	2018-05	Software Package
Experion MX CD Controls R70x	R700.1	Supported	2017-03	Software Package
Experion MX CD Controls R70x	R703.1	Supported	2019-06	Software Package
Experion MX CD Controls R70x	R702.1	Supported	2019-06	Software Package
Experion MX CDMV Controls R70x	R701.1	Supported	2018-05	Software Package
Experion MX CDMV Controls R70x	R700.1	Supported	2017-03	Software Package
Experion MX CDMV Controls R70x	R702.1	Supported	2019-06	Software Package
Experion MX CDMV Controls R70x	R703.2	Supported	2019-06	Software Package
Experion MX CDMV Controls R70x	<b>R704.1</b>	Current	2022-08	Software Package
Experion MX MD Controls R70x	R702.1	Supported	2019-06	Software Package
Experion MX MD Controls R70x	R701.1	Supported	2018-05	Software Package
Experion MX MD 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	R700.1	Supported	2017-03	Software Package
Experion MX MDMV Controls R70x	R702.1	Supported	2019-06	Software Package
Experion MX MDMV Controls R70x	R703.2	Supported	2019-06	Software Package

Experion MX MDMV Controls R70x	R704.1	Current	2022-08	Software Package
Experion MX/MXProLine R70x	R701.4	Supported	2018-05	System Software
Experion MX/MXProLine R70x	R700.5	Supported	2017-03	System Software
Experion MX/MXProLine R70x	R702.4	Supported	2019-06	System Software
Experion MX/MXProLine R70x	R703.3	Supported	2020-12	System Software
Experion MX/MXProLine R70x	R704.2	Current	2022-08	System Software
Experion PKS R51x	R510.2	Supported	2018-08	System Software
Experion PKS R51x	R511.5	Supported	2018-08	System Software
Experion PKS R52x	R520.1	Supported	2021-08	System Software
Experion PKS R52x	R520.2	Current	2021-08	System Software
Fail Safe Controller R71x	R710.9	Supported	2011-07	System Software
Fail Safe Controller R80x	R801.5	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	Supported	2019-09	Standalone Software
Field Device Manager R52x	R520.1	Supported	2022-11	Standalone Software
Field Device Manager R52x	R520.2	Supported	2023-01	Standalone Software
Field Device Manager R52x	R520.1 U1	Supported	2022-11	Standalone Software
Field Device Manager R52x	R520.2 U1	Current	2023-01	Standalone Software
Field Device Manager R52x	R521.1	Current	2023-08	Standalone Software
Forge Blending and Movement R520.y	R520.2	Current	2021-08	Software Package
Forge Blending and Movement R520.y	R520.2	Supported	2021-07	Software Package
Forge Cybersecurity Suite-Enterprise Core and Premium	R204.1	Current	2021-06	Standalone Software
Forge Cybersecurity Suite-Enterprise Core and Premium	R203.1	Supported	2021-02	Standalone Software
Forge Cybersecurity Suite-Enterprise Core and Premium	R201.1	Supported	2020-06	Standalone Software
Forge Cybersecurity Suite-Site	R204.1	Current	2021-06	Standalone Software
Forge Cybersecurity Suite-Site	R203.1	Supported	2021-02	Standalone Software
Forge Cybersecurity Suite-Site	R201.1	Supported	2020-06	Standalone Software
HFAM   Alarm Performance Optimizer R1.1.0	R1.x.y	Current	2021-10	Standalone Software
HFAM   Reporting R2.2.x (Formerly DynAMo Metrics and Reporting)	R2.2.x	Current	2022-07	Standalone Software
Honeywell Forge Inspection Rounds	R8	Current	2021-11	Standalone Software
Honeywell Forge Inspection Rounds	R7	Supported	2020-07	Standalone Software
Honeywell Forge Workforce Competency	R520.1	Supported	2021-09	Standalone Software
Honeywell Forge Workforce Competency	R521.1	Current	2022-10	Standalone Software
Honeywell Trace R140	R140.1	Supported	2020-06	Standalone Software
Honeywell Trace R150	150.3	Current	2021-07	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
Operations Safety Advisor R100.x	R100.0	Current	2020-08	SaaS Offering
OptiVision R541x	R541.2	Supported	2012-01	Software Package
OptiVision R6.1.0x	R6.1.0.1	Current	2019-10	Software Package

<b>OptiVision R600x</b>	R600.2	Supported	2014-08	Software Package
<b>PlantCruise R10x</b>	R100.1	Supported	2013-07	System Software
<b>PlantCruise R11x</b>	R110.2	Supported	2014-09	System Software
<b>PlantCruise R12x</b>	R120.1	Supported	2015-03	System Software
<b>PlantCruise R50x</b>	R500.1	Supported	2017-11	System Software
<b>PlantCruise R51x</b>	R510.2	Supported	2018-11	System Software
<b>PlantCruise R51x</b>	R511.4	Supported	2019-09	System Software
<b>PlantCruise R520</b>	R520.1	Current	2022-03	System Software
<b>PMD R90x</b>	R900.2	Supported	2017-02	System Software
<b>PMD R90x</b>	R900.3	Supported	2020-10	System Software
<b>PMD R91x</b>	R910.2	Supported	2018-12	System Software
<b>PMD R91x</b>	R910.3	Supported	2020-05	System Software
<b>PMD R92x</b>	R920.1	Current	2021-09	System Software
<b>Predict-Amine</b>	R4.0	Supported	2017-09	Standalone Software
<b>Predict-Crude</b>	R2.0	Supported	2015-09	Standalone Software
<b>Predict-O&amp;G</b>	R7.1	Supported	2018-09	Standalone Software
<b>Predict-Pipe</b>	R5.0	Supported	2018-12	Standalone Software
<b>Predict-RT</b>	R140	Supported	2019-06	Standalone Software
<b>Predict-SA</b>	R2.0	Supported	2014-12	Standalone Software
<b>Predict-SW (Sour Water)</b>	R4.0	Supported	2018-12	Standalone Software
<b>Procedure Analyst R41x</b>	R410.0	Supported	2013-01	Standalone Software
<b>Procedure Analyst R43x</b>	R430.1	Supported	2015-06	Standalone Software
<b>Procedure Analyst R50x</b>	R500.2	Supported	2017-03	Standalone Software
<b>Procedure Analyst R51x</b>	R511.1 Patch 1	Current	2020-09	Standalone Software on Experion PKS Media
<b>Process Safety Analyzer R200</b>	R201.3	Supported	2020-01	Standalone Software
<b>Process Safety Analyzer R210</b>	2.1.x	Current	2022-09	Standalone Software
<b>Process Safety Workbench v5.0.2.x</b>	v5.0.2.1	Current	2023-02	SaaS Offering / Standalone SW
<b>Profit Blending and Movement R501.y</b>	R501.3	Supported	2018-05	Software Package
<b>Profit Blending and Movement R510.y</b>	R510.4	Supported	2019-09	Software Package
<b>Profit Suit R50x</b>	R502.1	Supported	2019-12	Standalone Software
<b>Profit Suit R51x</b>	R511.1	Current	2021-08	Standalone Software
<b>Profit Suit R51x</b>	R510.1	Supported	2020-07	Standalone Software
<b>QCS SE</b>	R110.2	Current	2021-08	System Software
<b>Quality OptiMiser R540x</b>	R540.1	Supported	2010-10	Standalone Software
<b>Quality OptiMiser R550x</b>	R550.2	Supported	2014-12	Standalone Software
<b>Quality OptiMiser R560x</b>	R560.1	Current	2017-11	Standalone Software
<b>Risk Manager R170</b>	R170.1 Patch 3	Supported	2018-03	Standalone Software
<b>RTU2020 R11x</b>	R110.1	Supported	2015-06	Standalone Software
<b>RTU2020 R12x</b>	R120.1	Supported	2016-05	Standalone Software
<b>Safety Historian R20x</b>	R202.1	Current	2014-03	System Software
<b>Safety Management Systems R210</b>	R210.6	Current	2020-60	System Software
<b>Safety Manager R14x</b>	R146.2	Supported	2010-05	System Software
<b>Safety Manager R15x</b>	R154.5	Supported	2012-04	System Software
<b>Safety Manager R16x</b>	R162.10	Supported	2014-10	System Software

<b>Safety Manager SC R20x</b>	R201.2	Supported	2018-08	System Software
<b>Safety Manager SC R211</b>	R211.2	Supported	2021-08	System Software
<b>Safety Manager SC R212</b>	R212.1	Current	2023-01	System Software
<b>Secure Media Exchange (SMX)</b>	202.12	Current	2017-08	Standalone Software
<b>Socrates</b>	R10.0	Supported	2019-03	Standalone Software
<b>Symphonite Integration and Analytics R200x</b>	R200.2	Supported	2017-07	Standalone Software
<b>Symphonite Integration and Analytics R201x</b>	R201.2	Current	2020-01	Standalone Software
<b>Symphonite Production Accounting &amp; Reconciliation</b>	R210.1	Current	2019-02	Standalone Software
<b>Symphonite Production Accounting &amp; Reconciliation</b>	R201.2	Supported	2015-08	Standalone Software
<b>Symphonite Production Accounting &amp; Reconciliation</b>	R200.1	Supported	2015-08	Standalone Software
<b>Symphonite RPMS</b>	R510.1.8	Supported	2018-12	Standalone Software
<b>System Inventory Tool R22x</b>	R220.1	Supported	2017-09	Standalone Software
<b>System Inventory Tool R23x</b>	R230.3	Supported	2018-05	Standalone Software
<b>System Inventory Tool R23x</b>	R230.2	Supported	2018-05	Standalone Software
<b>System Inventory Tool R23x</b>	R230.1	Supported	2018-05	Standalone Software
<b>System Inventory Tool R30x</b>	R300.1	Current	2019-09	Standalone Software
<b>Taiji PID 310x</b>	R310.1	Supported	2016-01	Standalone Software
<b>Taiji PID 320x</b>	R320.1	Current	2021-04	Standalone Software
<b>TCMI R10x</b>	R100.8	Current	2017-11	System Software
<b>TPN R687.x</b>	R687.6	Supported	2018-02	System Software
<b>TPN R688.x</b>	R688.7	Supported	2019-01	System Software
<b>TPN R690.x</b>	R690.2	Supported	2022-09	System Software
<b>TPN R690.x</b>	R690.3	Current	2023-04	System Software
<b>Uniformance Asset Sentinel R51x</b>	R511	Supported	2017-10	Standalone Software
<b>Uniformance Asset Sentinel R52x</b>	R520.7	Supported	2019-07	Standalone Software
<b>Uniformance Asset Sentinel R52x</b>	R520.X	Supported	2019-07	Standalone Software
<b>Uniformance Asset Sentinel R53x</b>	R531.4	Current	2021-04	Standalone Software
<b>Uniformance Asset Sentinel R53x</b>	R531.1	Supported	2020-08	Standalone Software
<b>Uniformance Executive R31x</b>	R311.1	Supported	2018-03	Standalone Software
<b>Uniformance Executive R32x</b>	R320.1	Current	2018-09	Standalone Software
<b>Uniformance Insight R2.3.x</b>	R2.3.0	Supported	2020-09	Standalone Software
<b>Uniformance Insight R21x</b>	R210.1	Supported	2019-09	Standalone Software
<b>Uniformance Insight R22x</b>	R220.1	Supported	2020-09	Standalone Software
<b>Uniformance KPI R12x</b>	R121.1	Supported	2017-05	Standalone Software
<b>Uniformance KPI R13x</b>	R131.1	Current	2019-11	Standalone Software
<b>Uniformance KPI R13x</b>	R130.1	Supported	2018-03	Standalone Software
<b>Uniformance PHD R34x</b>	R340.1	Supported	2017-10	Standalone Software
<b>Uniformance PHD R40x</b>	R400.1	Supported	2019-06	Standalone Software
<b>Uniformance PHD R41x</b>	R410.1	Current	2021-03	Standalone Software
<b>Uniformance Process Studio R32x</b>	R323.1	Current	2020-04	Standalone Software
<b>Uniformance Process Studio R32x</b>	R322.2	Supported	2016-09	Standalone Software
<b>UniSim Competency Suite</b>	R471.1	Supported	2020-10	Standalone Software
<b>UniSim Competency Suite</b>	R470.1	Supported	2020-01	Standalone Software



<b>UniSim Design</b>	R492	Current	2022-11	Standalone Software
<b>UniSim Design</b>	R491	Supported	2022-05	Standalone Software
<b>UniSim Design</b>	R490	Supported	2021-11	Standalone Software
<b>UniSim Design</b>	R481	Supported	2021-06	Standalone Software
<b>UniSim Design</b>	R480.1	Supported	2020-10	Standalone Software
<b>UniSim Design</b>	R471.1	Supported	2020-01	Standalone Software
<b>UniSim Design</b>	R470.1	Supported	2019-10	Standalone Software
<b>UniSim Design</b>	R461.1	Supported	2019-06	Standalone Software
<b>UniSim Design</b>	R460.1	Supported	2018-05	Standalone Software
<b>Web Order Services 54x</b>	R540.1	Supported	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 (Requires Login)

<https://process.honeywell.com/us/en/support/technical-publication?search=product%2520support%2520guide%2520for%2520control%2520safety%2520and%2520monitoring%2520systems>

#### 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.

“SaaS Offering” means any HPS software product which applications are hosted through the cloud and made available to end users over the internet.